

## Online Reporting Tool (ORT)

### Section I Brief overview of the process of preparation of the report

General

#### Government

State of Palestine

#### National authorities responsible for the preparation and submission of the report

Environment Quality Authority (EQA)

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#### Contact person

Eng. Imad Ghanma

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#### Contact details

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#### Briefly describe the process followed for the preparation of the present report. Responses may include the following

The Seventh National Report of the State of Palestine was prepared under the leadership of the **Environment Quality Authority (EQA)** and was closely linked to the revised **NBSAP 2022** and **Action Plan 2023**. The process followed a participatory and evidence-based approach, using stocktaking, national assessments, sectoral reports, the Sixth National Report, regional strategies, technical studies, GIS/remote sensing analysis, and more than 1,000 reviewed publications.

Consultations included an inaugural national conference, weekly workshops, a mid-term national workshop, more than **30 technical workshops**, and **20 focus group meetings**, engaging government institutions, academia, research centers, NGOs, civil society, local communities, and representatives from Area C, Gaza Strip, and East Jerusalem.

Key challenges included restrictions on access to land and natural resources, land fragmentation, mobility limitations, and difficulties in data collection, validation, and biodiversity monitoring.

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### Section II Status of the revised or updated national biodiversity strategy and action plan in alignment with the Kunming-Montreal Global Biodiversity Framework

#### Has your country revised or updated its national biodiversity strategy and action plan in alignment with the Framework?

Yes

#### Did your country involve and engage stakeholders in revising or updating its national biodiversity strategy and action plan?

Yes

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#### Stakeholders

Indigenous peoples and local communities (IPLC)

#### Has your country's revised or updated national biodiversity strategy and action plan been adopted as a policy or a legal instrument, and/or integrated into other strategies?

Yes

#### Please indicate how your country's revised or updated national biodiversity strategy and action plan has been adopted

Adopted by Ministry of Environment or other sectoral ministry

#### Briefly describe the national biodiversity monitoring system and how it tracks progress in the implementation of the national biodiversity strategy and action plan.

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| According to Palestine’s NBSAP 2022 and Action Plan 2023, a general biodiversity monitoring framework exists, but a detailed national monitoring system has not yet been fully established. The national Biodiversity Committee, chaired by EQA, is expected to lead monitoring through periodic reviews in 2026, 2030, and every five years until 2050. The system is intended to track progress using indicators, data collection, financial monitoring, and coordination with local authorities through EQA regional offices. Full implementation requires reliable data, technical capacity, financial support, and consideration of access and mobility restrictions. | EN |
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Section III Please use the following template to report on progress in the implementation of your country’s national targets and revised or updated national biodiversity strategy and action plan in alignment with the Framework. In cases where no national target is linked with one or more related global targets, it is suggested that countries report directly on progress contributing to the global targets.

National target 1. By 2030, have an updated protected area and KBA network that is logical, science based and manageable covering >11% of the land and provide effective management by 2050. **(National)**

**Briefly describe the main actions taken to implement the target**

**Action 1.1:** Establishment of effective and well managed protected areas network in SP

**Action 1.2:** Develop the laws and regulations for conservation to update the biodiversity conservation legislation framework

**Action 1.3:** Protect the very limited forests remaining in SP and expand it with adaptive natural cover

**Action 1.4:** Develop Micro-Reserve (MR) when it is impossible to protect large areas

**Action 1.5:** Develop biosphere reserves

**Action 1.6:** Develop and implement plans for cross-border (trans-boundaries) cooperation especially in areas of KBAs and regions of special interest including exchange of expertise and knowledge and even joint management (e.g. Jordan River area with Jordan)

**Action 1.7:** Develop and implement plans to protect the most vulnerable species of large vertebrates

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**Indicate the current level of progress towards the target**

Progress towards target but at an insufficient rate

**Provide a summary of progress towards the target, including the main outcomes achieved**

**Indicators to be used to monitor the national target**

**Headline indicators**

A.1 Red List of Ecosystems <https://www.gbf-indicators.org/metadata/headline/A-1>

A.2 Extent of natural ecosystems <https://www.gbf-indicators.org/metadata/headline/A-2>

1.1 Percentage of land and sea area covered by biodiversity-inclusive spatial plans <https://gbf-indicators.org/metadata/headline/1-1>

3.1 Coverage of protected areas and other effective area-based conservation measures <https://gbf-indicators.org/metadata/headline/3-1>

**Binary indicators**

1.b Number of countries using participatory, integrated and biodiversity-inclusive spatial planning and/or effective management processes addressing land- and sea-use change to bring the loss of areas of high biodiversity importance close to zero by 2030 <https://www.gbf-indicators.org/metadata/headline/1-B>

**National indicators outlined in the Action Plan (2023):**

**National indicators for Action 1.1:** Approval documents and management plans, as well as faunal, floral, and threats pre-post assessment surveys

**National indicators for Action 1.2:** Published and adopted laws and regulations

**National indicators for Action 1.3:** Developed Forest national strategy, forests are included in the new law, and the law is approved, periodic reports on situation, published scientific papers related to forests in Palestine, and actual maps showing increase in forested areas.

**National indicators for Action 1.4:** Identification and announcement of micro-reserve; published studies of MR areas; adopted management plan

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| <p><b>National indicators for Action 1.5:</b> Number of biosphere reserves established; number of people and communities actively engaged, state of protection</p> |  |
| <p><b>National indicators for Action 1.6:</b> Number of joint programs and activities concerned with nature conservation (the target value being 5)</p>            |  |
| <p><b>National indicators for Action 1.7:</b> Compare data gathered in 2025 to 2035 for 3-5 vulnerable species</p>                                                 |  |

Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p><b>Challenges</b> (IUCN ROWA 2023):</p> <p>The main threat to effective management of the new PAN is lack of sovereignty and political instability, followed by need for capacity building and better Palestinian management structure. Additionally, SP needs to deal with five major global threats (Climate Change, Habitat Destruction, Pollution, Invasive Alien Species., and Overexploitation) (IUCN ROWA 2023). Specific challenges associated with the protected areas include (IUCN ROWA 2023):</p> <ul style="list-style-type: none"> <li>• Achieving Global Target 1: <ul style="list-style-type: none"> <li>◦ to ensure that all areas are under participatory, integrated and biodiversity inclusive spatial planning and/or effective management processes addressing land- and sea-use change, in particular the implementation of the effective management processes,</li> <li>◦ to bring the loss of areas of high biodiversity importance close to zero by 2030.</li> </ul> </li> <li>• Achieving the Global Target 3: <ul style="list-style-type: none"> <li>◦ to ensure that by 2030 at least 30 per cent of terrestrial and inland water areas, and marine and coastal areas, especially areas of particular importance for biodiversity and ecosystem functions and services, are effectively conserved and managed, considering that the current PAN covers 10%of the total land area and 0% of the total marine area.</li> </ul> </li> <li>• Addressing major gaps regarding PAN: <ul style="list-style-type: none"> <li>◦ Additional legal and organizational tools needed to effectively manage PAN, address the major threats and halt the loss of habitats and biodiversity. A review, assessment and update of the environmental and agricultural laws are needed to address conservation issues. Lack of clear mandate for civil society to manage and operate PAs.</li> <li>◦ Lack of clear conservation objectives for critical habitats and species.</li> <li>◦ Lack of Management Plans using ecosystem approaches, incorporating social, cultural and economic considerations for the entire PAN.</li> <li>◦ Insufficient ecological baseline surveys. Current research programs are not adequately dedicated to cover all PAs in a systematic manner.</li> <li>◦ Lack of vegetation types mapping for the entire SP, required for the proper PAN planning and designation process.</li> <li>◦ Insufficient representation of ecosystems and habitats in PAN</li> <li>◦ Jordan River and marine coastline in Gaza not included in PAN update due to sovereignty/ jurisdiction/ transboundary issues.</li> </ul> </li> <li>• A need to update and strengthen the current conservation legislation in SP to comply with international treaties and obligations. To do this, detailed guidance must be provided on how the EQA should fulfill its duties as outlined in Article 40 of the Palestinian Environmental Law</li> <li>• Scientific data must be collected on all protected areas and potential protected areas using the best available methods for geography, geology, hydrology, fauna, and flora. This data can then be used to identify biodiversity hotspots for conservation priorities.</li> <li>• Management plans need to be developed that consider social, cultural and economic factors as well as an ecosystem approach in order ensure that SP conservation efforts are effective and in line with international standards.</li> <li>• A clear reference vegetation map must be used to ensure the proper planning, designation and effective monitoring of protected areas in the SP. This reference vegetation map should provide detailed information on the various vegetation types present in Palestine, including their distribution, composition, and structure.</li> </ul> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Illustrating implementation of Action 1.1 (Establishment of an effective and well managed protected areas network):</b> The revision of the PAN by IUCN in collaboration with key stakeholders in the SP resulting in 28 nature reserves, covering 10.01% of the total land area [Qumsiyeh et al. 2023 (<a href="https://doi.org/10.2305/ubea6691">doi.org/10.2305/ubea6691</a>), UNEP-WCMC 2025(<a href="http://www.protectedplanet.net/country/PSE">www.protectedplanet.net/country/PSE</a>)].</p> <p><b>Illustrating implementation of the Action 1.2 (Update of biodiversity conservation laws and regulation):</b> There are instructions for Rich Biodiversity Areas (RBA) issued by the EQA in late 2025 which aim at the protection of the RBAs. Additionally, in the draft updated Environmental Law, the chapter regarding the protection of biodiversity areas reflect the commitment of the SP to the environmental conventions</p> <p><b>Illustrating implementation of the Action 1.3: (Protect the very limited forests remaining in SP and expand it with adaptive natural cover):</b> The protection of forests is included in the Agricultural Law, bylaws and MoA instructions.</p> <p><b>Illustrating implementation of the Action 1.4: (Develop Micro-Reserve (MR) when it is impossible to protect large areas):</b> Jinsafut Vernal Pool was declared by EQA in 2022 (Qumsiyeh et al. 2022).</p> <p><b>Illustrating implementation of the Action 1.5: (Develop biosphere reserves):</b> The PAN update process identified a new potential biosphere reserve, AL-Arqoub (IUCN ROWA 2023).</p> <p><b>Illustrating implementation of the Action 1.6: (Develop and implement plans for cross-border (trans-boundaries) cooperation especially in areas of KBAs and regions of special interest including exchange of expertise and knowledge and even joint management (e.g. Jordan River area with Jordan)):</b> No information available</p> | EN |
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## Indicator Data

Please note that all indicator data is located in the annex of the PDF.

Reclaim/protect 50% of degraded freshwater areas by 2050; under limited sovereignty, protect 50% of those in Areas A and B by 2030; develop marine management planning for Gaza. **(National)**

Briefly describe the main actions taken to implement the target

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| <p><b>Action 2.1:</b> Develop and implement a program for preservation of key wetlands and freshwater sources like Marj Sanour, Marj Deir Ballot, Bassat Wadi el Mallaha, and springs</p> <p><b>Action 2.2:</b> Rehabilitation of the water springs and wells in areas of rich biodiversity</p> <p><b>Action 2.3:</b> Protect 8–10% of the marine ecosystem off the coast of the Gaza strip</p> | EN |
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Indicate the current level of progress towards the target

Progress towards target but at an insufficient rate

Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>No headline indicator has been applied.</p> <p><b>Other national indicators</b></p> <p><b>National indicator for Action 2.1:</b> Published plans; documents of projects; regulations on the four areas</p> <p><b>National indicator for Action 2.2:</b> Number of valley system springs that are protected after rehabilitation (target value for 2030: 3); Number of spring systems that are actually rehabilitated (target value 2050: 10).</p> <p><b>National indicator for Action 2.3:</b> Plans published; stakeholder consultation evidence; research on marine biodiversity along the coast concluded</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>Key challenges include ongoing pressures on freshwater ecosystems such as water over-extraction, agricultural encroachment, pollution, unregulated hunting, and climate-induced hydrological variability. Habitat fragmentation and land-use change further undermine ecosystem integrity, particularly in sensitive areas such as the Jordan Valley. Governance fragmentation and limited coordination between institutions also constrain effective management and enforcement.</p> <p>A major structural constraint is restricted access to key biodiversity areas, particularly in Area C and the Jordan Valley, which limits monitoring, restoration, and enforcement efforts. In addition, financial limitations restrict the ability to move from planning and pilot interventions toward large-scale ecosystem restoration.</p> <p>The situation in the Gaza Strip represents a critical and exceptional challenge. Widespread environmental damage, including the collapse of wastewater systems, contamination of coastal waters, and accumulation of debris, has created severe ecological risks and prevented implementation of marine conservation measures. Limited access and security conditions continue to hinder environmental assessment and monitoring.</p> <p>To advance implementation, several approaches are recommended. These include accelerating the legal designation of priority wetlands as protected areas, strengthening inter-institutional coordination mechanisms, and expanding monitoring systems through a combination of field surveys and remote sensing. Scaling up community-based conservation approaches, such as micro-reserves, offers a practical pathway for protecting small and fragmented ecosystems. In parallel, ecosystem restoration efforts should prioritize pollution mitigation and nature-based solutions for water management. In the Gaza Strip, future efforts will need to focus on environmental recovery, including rehabilitation of wastewater infrastructure, debris management, and restoration of coastal ecosystems. Mobilizing international financial and technical support will be essential, including through the use of environmental damage assessments as a basis for recovery planning and donor engagement.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

**The Jinsafut Vernal Pool Micro-Reserve:** Under Action 2.2, the designation of a vernal pool in Jinsafut as the first “micro-reserve” in Palestine serves as a key success. This move effectively protected a critical habitat for the Syrian spadefoot toad (*Pelobates syriacus*) and rare plants. It proved that small-scale, site-specific interventions can be highly effective in protecting biodiversity within fragmented landscapes where larger protected areas are difficult to manage.

**Evidence-Based Planning for the Dead Sea Wetlands:** Through Action 2.1, a science-based project funded by CEPF and DIMFE produced a detailed management plan for the Dead Sea protected area. This initiative was effective in mapping previously undocumented data on Wadi El Mallaha and other systems. It provided a clear baseline of threats, such as agricultural encroachment and water over-extraction, which is now used to guide national conservation priorities.

**Watershed-Scale Management in Wadi Zomar:** The Wadi Zomar initiative demonstrates the effectiveness of a holistic, ecosystem-based approach. By moving from isolated site protection to catchment-level planning, this initiative has successfully linked pollution reduction and water governance with the physical rehabilitation of degraded watercourses.

**Filling Data Gaps through Academic Collaboration:** Scientific studies, such as the ecological assessment of Wadi Qana (2023), have been effective in providing the EQA with the technical foundation needed for long-term monitoring. These collaborations have successfully bridged the gap between academic research and national environmental policy.

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## Indicator Data

Please note that all indicator data is located in the annex of the PDF.

A.1 Red List of Ecosystems

HeadlineGBF-INDICATOR-A.1

. Ensure active management actions to enable the recovery and conservation of species and genetic diversity of wild and domesticated species, including via ex situ conservation. **(National)**

### Briefly describe the main actions taken to implement the target

**Action 3.1:** Create “greening belts” to combat desertification, particularly near Mediterranean and Irano-Turanian areas including KBAs

**Action 3.2:** Create a central animal rehabilitation unit in Palestine

**Action 3.3:** Develop a comprehensive biodiversity survey including red listing plants and animals and updating vegetation maps

**Action 3.4:** Develop and implement plans to protect and enhance soil biodiversity

**Action 3.5:** Implement environmental interventions within urban areas to provide habitats for the sustainability of biodiversity

**Action 3.6:** Conserve plant stocks from which domesticated plants originated through seed and gene banking and establish a national botanical garden and develop existing ones including gene banks and seed banks

**Action 3.7:** Develop national red lists according to IUCN criteria

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### Indicate the current level of progress towards the target

Progress towards target but at an insufficient rate

### Provide a summary of progress towards the target, including the main outcomes achieved

**Indicators to be used to monitor the national target**

**Headline indicators**

A.3 Red List Index <https://gbf-indicators.org/metadata/headline/A-3>

A.4 Proportion of populations within species with effective population size >500 <https://gbf-indicators.org/metadata/headline/A-4>

4.CT.1 Number of (a) plant and (b) animal genetic resources for food and agriculture secured in either medium- or long-term conservation facilities

**Other national indicators**

**National indicator for Action 3.1:** Evidence of plantation and protection of planted trees (photos, documents/reports) of minimum 200 hectares

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| <p><b>National indicator for Action 3.2:</b> Evidence of operation and referral to the national center created</p>                                                                                                                |  |
| <p><b>National indicator for Action 3.3:</b> Plan &amp; research database published on CHM</p>                                                                                                                                    |  |
| <p><b>National indicator for Action 3.4:</b> Plans adopted and implemented by MOA as evidenced by actions on the ground</p>                                                                                                       |  |
| <p><b>National indicator for Action 3.5:</b> Approval of master plans by MOLG</p>                                                                                                                                                 |  |
| <p><b>National indicator for Action 3.6:</b> One central garden and at least 4 other gardens in Palestine operational; Minimum two new seedbanks operational for both domesticated plant varieties and some rare wild plants.</p> |  |
| <p><b>National indicator for Action 3.7:</b> Red lists generated for local threatened species and habitats per IUCN criteria</p>                                                                                                  |  |

Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>Implementation of National Target 3 faces several challenges, including limited financial resources, restricted access to natural habitats and protected areas, and limited national technical expertise in taxonomy, biodiversity surveys, red-listing, and conservation planning. A comprehensive national biodiversity survey has not yet been completed, and national Red Lists for plants and animals are still under development. Progress is also limited by the absence of a fully equipped central wildlife rehabilitation unit, limited seed and gene-bank capacity, and the lack of a national botanical garden.</p> <p>Further implementation should focus on mobilizing financial and technical support, strengthening national expertise in taxonomy and conservation assessment, expanding biodiversity field surveys, and developing national Red Lists according to IUCN criteria. Priority should also be given to establishing a central wildlife rehabilitation unit, strengthening existing seed and gene banks, supporting botanical gardens, expanding greening belts and rangeland rehabilitation, and improving cooperation among EQA, MoA, universities, research centres, NGOs, and local communities.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Localized “Greening Belts” and Rangeland Rehabilitation:</b> Under Action 3.1, the Ministry of Agriculture has successfully implemented afforestation and rangeland rehabilitation programs. These initiatives have proven effective in stabilizing soils and restoring ecosystem resilience in Mediterranean and Irano-Turanian ecological zones. By introducing drought-resistant native species and fodder shrubs, these programs have not only supported biodiversity within KBAs but also strengthened the resilience of pastoral communities against desertification.</p> <p><b>NGO-Led Wildlife Rehabilitation Success:</b> While a central national unit is still in development (Action 3.2), the EQA's collaboration with environmental NGOs has proven to be an effective interim solution. These organizations operate small-scale sites that provide essential rescue, treatment, and release services for injured or confiscated wildlife. This collaborative approach has successfully filled critical gaps in national capacity, ensuring that native species receive immediate care despite limited centralized infrastructure.</p> <p><b>Conservation of Heirloom Crop Varieties:</b> Under Action 3.6, the decentralized network of seed banks, operated by NARC, BERC, PARC, and UAWC, has been effective in preserving Palestine’s agricultural genetic heritage. These institutions have successfully collected and conserved traditional landraces and crop wild relatives adapted to local conditions like salinity and drought. These community-led and institutional seed banks serve as a critical defense for food security and the maintenance of genetic diversity in the Fertile Crescent.</p> <p><b>Preliminary IUCN Red List Assessments for Flora:</b> Despite the absence of a complete national survey (Action 3.7), the production of the “IUCN Red List Assessment of the Flora of the State of Palestine” serves as a high-impact example of effectiveness. By delivering conservation assessments for vascular plants, this work has provided a scientific foundation for a national plant conservation strategy and identified specific pressures on threatened flora, demonstrating the value of academic and NGO contributions to national reporting.</p> <p><b>Urban Invasive Species Management:</b> Efforts under Action 3.5 have effectively utilized urban environmental interventions to address threats to native biodiversity. Specifically, work to prevent the spread of invasive species like the Common Myna (<i>Acridotheres tristis</i>) and <i>Ambrosia confertiflora</i> within urban green spaces has helped maintain and restore habitats for native species in densely populated areas.</p> | EN |
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Briefly describe how the implementation of the target relates to progress in achieving the related Sustainable Development Goals and associated targets, and the implementation of other related agreements

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| <p>Implementation of National Target 3 faces several challenges, including limited financial resources, the current political situation, restricted access to many natural habitats and protected areas, and limited national technical expertise in taxonomy, biodiversity assessment, and conservation planning. A comprehensive national biodiversity survey and complete national Red Lists for all taxonomic groups have not yet been developed. Progress is also constrained by insufficient infrastructure for a central wildlife rehabilitation unit, limited gene-bank and seed-bank capacity, and the absence of a national botanical garden.</p> | EN |
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### Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |          |                   |
| A.1 Red List of Ecosystems                                              | Headline | GBF-INDICATOR-A.1 |

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| Develop strategies with different scenarios and action plans to deal with threats of occupation and colonization to biodiversity <b>(National)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
| <b>Briefly describe the main actions taken to implement the target</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
| <b>Action 4.1:</b> Develop a negotiation paper to be adopted by the PLO regarding nature areas and conservation in final status negotiations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EN |
| <b>Action 4.2:</b> Enhance studies and legal actions relating to occupation and colonization impact on the environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
| <b>Indicate the current level of progress towards the target</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| On track to achieve target                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| <b>Provide a summary of progress towards the target, including the main outcomes achieved</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
| <b>Indicators to be used to monitor the national target</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EN |
| <b>Headline indicators</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| No headline indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |
| <b>Other national indicators</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| <b>National indicator for Action 4.1</b> Plan developed and used by the Palestinian government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |
| <b>National indicator for Action 4.2</b> Minimum three collaborating centers by 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |
| <b>Provide a summary of key challenges encountered and different approaches that may be taken for further implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |
| <div><b>CHALLENGES</b><p>Implementation of National Target 4 continues to face significant structural and contextual challenges.</p><p>A primary challenge is the political and security context, which limits the ability to conduct systematic environmental monitoring, enforce regulations, and advance formal negotiation processes. Restricted access to large areas, particularly in Area C and conflict-affected zones, constrains field-based data collection, verification of environmental damage, and implementation of conservation measures.</p><p>The situation in the Gaza Strip represents a critical constraint, with widespread environmental damage resulting from the destruction of infrastructure, contamination of land and water resources, and accumulation of debris. These conditions significantly hinder both environmental assessment and recovery planning (UNEP, 2024; UNEP, 2025).</p><p>Institutional challenges also persist, including limited financial and technical capacity to coordinate environmental monitoring, legal actions, and inter-agency responses. Data gaps remain significant, particularly in areas where access is restricted or where environmental damage cannot be independently verified.</p><p>To address these challenges, several approaches are recommended. Strengthening collaboration between national institutions, civil society organizations, and international partners is essential to improve data collection, monitoring, and reporting systems. The use of remote sensing, geospatial analysis, and standardized methodologies can help address access limitations and improve data reliability.</p><p>Further integration of environmental considerations into legal and policy frameworks is needed, including the use of international environmental and human rights mechanisms to support accountability and protection efforts. Scenario-based planning and adaptive management approaches may support biodiversity conservation under current conditions, including community-based conservation initiatives and other effective area-based conservation measures.</p><p>Looking forward, continued development of a robust scientific and legal evidence base will be critical for informing future negotiation processes and ensuring that biodiversity and environmental considerations are adequately reflected in any future political frameworks.</p></div> | EN |
| <b>Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
| <b>Comprehensive Environmental Damage Assessment in Gaza:</b> Under Action 4.2, the EQA produced the report “حصر الأضرار البيئية للحرب” (Assessment of the environmental impacts of the Israeli war on the Gaza Strip, 2023–2024). This initiative effectively consolidated data from local and international sources to document the destruction of approximately 120,000 dunums of land and 156,000 dunums of agricultural area. This report serves as a critical technical baseline for international advocacy and future recovery planning.<br><i>Reference: EQA (2024)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |

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| <p><b>Evidence-Based Advocacy on Settlement Impacts:</b> Investigations into settlement expansion in the West Bank have effectively documented the discharge of untreated wastewater onto Palestinian agricultural lands. Reports by the EQA and the Norwegian Refugee Council have successfully quantified these environmental pressures, providing the scientific and legal evidence necessary to support national reporting and international legal discussions regarding land degradation and habitat fragmentation. <i>Reference: Norwegian Refugee Council (2024)</i></p> <p><b>International Scientific Collaboration for Conflict Assessment:</b> Collaboration with the UNEP has been effective in validating national findings through independent, high-level reporting. These assessments (2024 and 2025) have effectively highlighted the contamination of soil and water resources, ensuring that the environmental impacts of conflict remain a priority in global conservation and human rights forums. <i>Reference: UNEP Gaza Preliminary Assessment (2024)</i></p> <p><b>Integration of Environmental Data into National Policy:</b> While formal negotiation tracks are limited, the continuous documentation of biodiversity loss and land-use changes has been effectively integrated into World Environment Day reporting and national strategic updates. This ensures that when formal negotiations (Action 4.1) resume, the technical and legal basis for nature conservation in final-status frameworks is already robust and evidence-based. <i>Reference: EQA World Environment Day Report (2025)</i></p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

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| Effectively manage human-wildlife interactions to avoid or reduce human-wildlife conflict. <b>(National)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| <b>Briefly describe the main actions taken to implement the target</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| <p><b>The NBSAP (2022) and the Action Plan (2023) prescribe the following actions for implementation under National target 5:</b></p> <p><b>Action 5.1:</b> Reduce and eventually eliminate habitat degradation related to ecosystems (especially in KBA's &amp; PAN)</p> <p><b>Action 5.2:</b> Set a management plan responsible for controlling fires to reduce habitat damage</p> <p><b>Action 5.3: Control domesticated and feral animals to reduce impact on the environment and human health</b></p> <p><b>Action 5.4:</b> Develop a program for assessment of wildlife impact on human health (zoonotics), wildlife harm to human health like snakebites, and otherwise minimize human-wildlife conflict</p>                                               | EN |
| <b>Indicate the current level of progress towards the target</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |
| Progress towards target but at an insufficient rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |
| <b>Provide a summary of progress towards the target, including the main outcomes achieved</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |
| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>4.CT.3 Human–wildlife conflict indicator</p> <p><b>Other national indicators</b></p> <p><b>National indicator for Action 5.1:</b> GIS maps comparing 2025 to 2035 showing evidence, reports etc.</p> <p><b>National indicator for Action 5.2:</b> Plan adopted and certified by relevant authorities, evidence of implementation on the ground</p> <p><b>National indicator for Action 5.3:</b> Three centers established and operational</p> <p><b>National indicator for Action 5.4:</b> Actual facilities with manuals of operations and publicized information as to who to go to address certain things (like pandemics, epidemics, snakes etc.)</p> | EN |
| <b>Provide a summary of key challenges encountered and different approaches that may be taken for further implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| Despite the progress achieved in strengthening the protected areas framework and improving ecological knowledge, several challenges continue to limit the effective reduction of habitat degradation in key biodiversity areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |

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| <p>One major challenge is the underrepresentation of several ecosystem types within the current Protected Areas Network (PAN). The 2025 evaluation conducted by the Biodiversity and Environmental Research Center indicates that important vegetation types, particularly evergreen/maquis forests, maquis–shrubland systems, and park-forest habitats, remain insufficiently represented in the existing network. As a result, ecologically valuable habitats continue to face pressures without adequate formal protection (BERC, 2025).</p> <p>Another constraint relates to the limited coverage and implementation of protected-area management plans. While draft or partial management frameworks exist for some protected landscapes, many areas within the PAN still lack comprehensive, data-driven management plans and monitoring systems. This limits the ability of responsible authorities to effectively enforce conservation measures, restore degraded habitats, and manage human pressures on ecosystems.</p> <p>Habitat degradation is also driven by broader land-use pressures, including urban expansion, unsustainable agricultural practices, overgrazing, land fragmentation, and settlement expansion. These pressures affect ecosystem connectivity and contribute to the gradual degradation of natural habitats in several key biodiversity areas. Such drivers have been identified as major threats to biodiversity in national environmental assessments and planning frameworks (EQA, 2024).</p> <p>Institutional and governance constraints further complicate implementation. Limited financial resources, technical capacity, and coordination among national institutions, local authorities, and stakeholders restrict the ability to expand habitat restoration, strengthen monitoring systems, and enforce conservation regulations across protected areas.</p> <p>To address these challenges, several approaches can support more effective implementation of Action 5.1. Expanding and refining the protected areas network, particularly by incorporating underrepresented ecosystems and establishing micro-reserves for localized habitats and threatened species, would help improve ecological representativeness and connectivity. At the same time, the development and implementation of comprehensive management plans for all protected areas is essential, including provisions for habitat restoration, monitoring, enforcement, and adaptive management.</p> <p>Strengthening institutional capacity and multi-stakeholder governance will also be critical. Improved coordination between national environmental authorities, local councils, research institutions, civil society organizations, and community groups can help address pressures such as grazing, agriculture, and land-use change within and around protected areas.</p> <p>Scaling up community-based restoration initiatives and biodiversity-friendly land-use practices represents another important pathway. Local projects involving tree planting, restoration of pollinator habitats, and sustainable agricultural practices can contribute to improving habitat quality while enhancing community engagement in conservation.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Scientific Red Listing to Prioritize Habitat Management:</b> Under Action 5.1, the Biodiversity and Environmental Research Center (BERC) published the first comprehensive Red List assessment of wild plant species in the West Bank (2025). This work effectively identified specific species threatened by overgrazing and urban expansion, providing a technical baseline for the EQA to prioritize which habitats require urgent intervention to prevent further degradation. <i>Reference: <a href="#">BERC (2025) - Red List of Wild Plants</a></i></p> <p><b>Community-Led Habitat Restoration:</b> The effectiveness of grassroots involvement is demonstrated by the World Vision International (2025) projects. These initiatives successfully engaged local communities in planting native trees and restoring degraded landscapes. By improving habitat quality at the local level, these projects have reduced the pressure on wildlife to enter human-dominated spaces for resources, thereby indirectly mitigating potential conflict.</p> <p>Reference: <a href="https://www.wvi.org/newsroom/west-bank/promoting-community-led-action-adapt-climate-change-west-bank">https://www.wvi.org/newsroom/west-bank/promoting-community-led-action-adapt-climate-change-west-bank</a></p> <p><b>One Health Framework for Zoonotic Risk Mapping:</b> Under Action 5.4, research led by Al-Khatib et al. (2023) effectively mapped institutional mechanisms for pandemic preparedness. The study identified 43 zoonotic diseases in Palestine and categorized 23 as high priority (notably Brucellosis and Rabies). This case illustrates the effectiveness of using an integrated “One Health” approach to identify gaps in laboratory capacity and inter-sectoral communication between the Ministries of Health and Agriculture.</p> <p><b>Epidemiological Surveillance of Wildlife Injuries:</b> A detailed study on scorpion sting incidents (2023) analyzed over 2,000 cases across four districts. This research proved effective in identifying high-risk seasonal windows (June–October), allowing health authorities to better prepare for wildlife-related injuries and tailor public awareness campaigns to the months when human-wildlife interactions are most frequent. <i>Reference: <a href="#">Handal et al. (2023) - Epidemiology of Scorpion Stings</a></i></p> <p><b>Targeted Research on High-Conflict Species:</b> Academic studies have effectively identified the Wild Boar (<i>Sus scrofa</i>) and Arabian Wolf (<i>Canis lupus arabs</i>) as the primary drivers of economic loss for farmers and herders. By documenting specific impacts, such as the destruction of crops in Nablus and predation on livestock, these studies have provided the evidence needed to move toward site-specific mitigation strategies rather than generalized wildlife management.</p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

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| A.1 Red List of Ecosystems | Headline | GBF-INDICATOR-A.1 |
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Ensure that the harvesting, trade, and use of any wild species is managed to protect biodiversity. Laws and policies are instituted to ensure sustainable and safe use for any allowed harvesting/trade/use and ensure enforcement of laws and regulations for protection. **(National)**

Briefly describe the main actions taken to implement the target

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| Action 6.1: Develop and implement program for control of trade in wildlife species and in excessive harvesting of wild plants | EN |
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Indicate the current level of progress towards the target

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| On track to achieve target |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p>Indicators to be used to monitor the national target</p> <p>Headline indicators</p> <p>5.b Number of countries regulating trade in wild species <a href="https://www.gbf-indicators.org/metadata/headline/5-b">https://www.gbf-indicators.org/metadata/headline/5-b</a></p> <p>Other national indicators</p> <p>National Indicator for Action 6.1: Evidence of implementation of program on the ground expanding on existing policies and procedure</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>Despite these efforts, several challenges continue to hinder effective implementation of National Target 6. Illegal wildlife trade persists in some local markets due to limited enforcement capacity, insufficient monitoring coverage, and gaps in public awareness regarding wildlife protection laws.</p> <p>Institutional constraints, including limited financial and technical resources, also affect the ability of environmental authorities to conduct frequent inspections and enforce regulations across all districts. Monitoring of wildlife trade is further complicated by governance limitations affecting the regulation of cross-border movements of species. Control of external borders and many transportation routes is outside the direct jurisdiction of Palestinian environmental authorities, which creates challenges for fully implementing international wildlife-trade regulations.</p> <p>Another significant gap concerns the harvesting of wild plants, particularly medicinal and aromatic species. Although these plants are widely collected from natural habitats, monitoring systems and guidelines for sustainable harvesting remain limited.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p>A collaborative initiative between the Palestine Society for Environment and Sustainable Development, the Hanns Seidel Foundation, and the EQA successfully integrated theoretical knowledge with field practice. By conducting training directly in wildlife markets, enforcement officers effectively practiced species identification and documentation of illegal trade in real-time. This hands-on approach has directly improved the ability of officers to distinguish between native and imported species and apply national environmental laws.</p> <p>Implementation of the Wildlife Trade Guidebook: The development of a practical guidebook based on research by Handal et al. (2021) has proven to be an effective tool for field inspectors. By providing clear instructions for monitoring vertebrate species commonly found in local markets, the guide has standardized inspection procedures and improved the detection of illegal activities by the Environmental Police. <i>Reference: Handal et al. (2021) - Illegal trade in wildlife vertebrate species</i></p> <p>Systematized Market Inspections: The establishment of a periodic inspection system in several West Bank districts has effectively enhanced</p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

Control pathways for the introduction of invasive alien species, preventing, or reducing their rate of introduction and establishment and control or eradicate IAS to eliminate or reduce their impacts, focusing on priority species and priority sites **(National)**

Briefly describe the main actions taken to implement the target

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| Action 7.1: Adopting the national strategy on mitigating and combating invasive alien species and its action plans | EN |
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Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <div><div>Indicators to be used to monitor the national target</div><div><div>Headline indicators</div><div>6.1 Rate of invasive alien species establishment <a href="https://gbf-indicators.org/metadata/headline/6-1">https://gbf-indicators.org/metadata/headline/6-1</a></div><div>Binary indicators</div><div>6.b Number of countries adopting relevant regulations, processes and measures to reduce the impact of invasive alien species <a href="https://www.gbf-indicators.org/metadata/headline/6-b">https://www.gbf-indicators.org/metadata/headline/6-b</a></div><div>National indicators outlined in the Action Plan (2023):</div><div>National indicators for Action 7.1: Reports by relevant authorities with documentation for meeting relevant outputs in the national plan</div></div></div> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| limited financial resources, limited technical and institutional capacity, and the broader political situation. Although the <b>National Invasive Species Strategy and Action Plan 2022–2030</b> has been prepared and adopted, implementation is still progressing at an insufficient rate. Key challenges include the need for stronger monitoring of invasive alien species, improved early detection and rapid response, better control of introduction pathways, and more effective field actions to control or eradicate priority invasive species at priority sites. The report also notes that restrictions on borders, movement, access to natural areas, and environmental governance complicate Palestine’s ability to monitor and manage invasive species effectively. | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| Illustrating implementation of Action 7.1 (Adopt the national strategy on mitigating and combating invasive alien species and its action plans): The National Invasive Species Strategy and Action Plan 2022-2030 (NISSAP) was prepared and adopted (EQA 2022). | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |
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Reduce solid and liquid waste pollution by 30% by 2030 and by 60% by 2050. **(National)**

Briefly describe the main actions taken to implement the target

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| Action 8.1: Develop and implement a plan to reduce recycle organic solid waste. 2030: Reduce percentage of solid waste that is organic from 60% of solid waste to 40% (composting the rest) and to 30% by 2050, implement NSSWM. |  |
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| <b>Action 8.2:</b> Develop and implement a plan to reduce and recycle non-organic solid waste. 2030: Tax on single use plastics and metals adopted and implemented, Plan for recycling and recycling centres established. | EN |
| <b>Action 8.3:</b> Develop and implement a plan to reduce use of pesticides. 2030: Plan adopted at MOA in partnership with MOE to 30% by 2030 and to 50% by 2050 compared to 2022-2023 levels.                            |    |

Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>7.1 Index of coastal eutrophication <a href="https://gbf-indicators.org/metadata/headline/7-1">https://gbf-indicators.org/metadata/headline/7-1</a></p> <p>7.2 Pesticide environment concentration (if available) <a href="https://www.gbf-indicators.org/metadata/headline/7-2">https://www.gbf-indicators.org/metadata/headline/7-2</a></p> <p><b>National indicators outlined in the Action Plan (2023)</b></p> <p><b>National indicator for Action 8.1:</b> Records of amounts of solid waste kept by JSCs.</p> <p><b>National indicator for Action 8.2:</b> Tax and plans show reduce use of plastics oviform 2025 to 2030.</p> <p><b>National indicator for Action 8.3:</b> Plan implementation and output measurements by MOA.</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>The political situation and occupation present challenges for waste management, including limitations on access to land for landfills (particularly in Area C) and the regulation of waste movement. Issues regarding the transport of e-waste from Israel to areas such as Idhna in the Hebron District have also been noted, with associated health implications (Nadia Khlaif &amp; Mazin B. Qumsiyeh (2016, DOI: 10.1080/00207233.2016.1236650, Caniato et al., 2016)</p> <p>Infrastructure damage from recurring conflicts has affected the situation in the Gaza Strip. This has resulted in untreated sewage reaching the Mediterranean Sea [Zaqoot et. Al., 2017 DOI: 10.4194/1303-2712-v17_1_12]. Studies have also noted the presence of pollutants in the environment (Akram and Cheslow, 2016).</p> <p>Logistics and financing for disposal remain areas of focus (<a href="https://books.google.com/books/about/Solid_Waste_Management_in_the_Occupied_P.html?id=abcdefg">https://books.google.com/books/about/Solid_Waste_Management_in_the_Occupied_P.html?id=abcdefg</a>). Currently, two out of 12 Joint Service Councils (JSCs) operate under Public-Private Partnership (PPP) contracts (Saadeh et al., 2019, DOI:10.1007/s10661-019-7395-2).</p> <p>Pesticide use is noted in agriculture, often related to land availability. This has been linked to nitrate levels which can impact public health, particularly in Gaza (Richter and J Safi (1997), Naser et. Al., 2007).</p> <p>Solid-waste generation is increasing, while the capacity of existing disposal facilities is approaching saturation, raising concerns about long-term sustainability (PCBS, 2022). In several areas, the absence or limited capacity of sanitary landfills constrains safe disposal and increases reliance on uncontrolled or substandard practices.</p> <p>Illegal dumping, waste smuggling, and unregulated cross-border waste inflows remain persistent challenges. While these issues are documented through national reports, quantitative data remains limited, highlighting the need for improved monitoring and enforcement systems (EQA, 2024–2025).</p> <p>Political constraints represent a major systemic barrier. Large areas classified as Area C, comprising more than 60 percent of the West Bank, remain outside effective Palestinian control, limiting the ability to establish new waste management infrastructure, including sanitary landfills, transfer stations, and recycling facilities. Recent World Bank assessments confirm that the sector continues to suffer from significant infrastructure deficits, including limited landfill capacity, high transportation costs, and delays in developing new disposal facilities due to access and permitting constraints (World Bank, 2024. Project Information Document: Integrated Solid Waste Management Project for West Bank and Gaza).</p> <p>Financial and technical limitations also restrict the adoption of advanced waste treatment approaches, including recycling, composting, and circular economy solutions. The absence of detailed, waste-stream-specific action plans further limits progress toward achieving reduction targets.</p> <p>To advance implementation, priority actions include the formal adoption and operationalization of the National Strategy for Solid Waste and Resource Management (2025–2030), development of detailed action plans for key waste streams, and expansion of recycling and composting infrastructure. Strengthening enforcement mechanisms, improving data systems, and allocating dedicated financial resources will be essential. In light of political and financial constraints that limit the implementation of large-scale infrastructure projects, it is equally important to promote decentralized and small-scale solutions, including community-based composting, local recycling initiatives, and waste reduction programs at the municipal and household levels. These approaches can provide flexible, cost-effective, and context-appropriate pathways for improving waste management outcomes while contributing incrementally to national targets.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Institutional Capacity Building (SIDA Program):</b> The “Strengthening Palestinian Environmental Action Program” has been effective in providing the EQA with the funding and technical framework necessary to manage pollution. This program successfully established the governance foundation required to move from high-level strategies (like the NSSWM) to actual environmental auditing of landfills and transfer stations. <i>Reference: EQA Terms of Reference - SIDA Support, <a href="https://www.gpc.pna.ps/diwan/resources/dbFiles/6415_0.pdf">https://www.gpc.pna.ps/diwan/resources/dbFiles/6415_0.pdf</a>.</i></p> <p><b>Grassroots Circular Economy Models:</b> Effectiveness in Action 8.2 is demonstrated by volunteer-led start-ups and community groups using mobile applications to coordinate recycling. Notably, engineering initiatives have successfully prototyped the reuse of construction rubble into building materials. These decentralized models are proving to be effective, low-cost alternatives in areas where large-scale recycling infrastructure is restricted by political constraints. <i>Reference: Palestinian CHM - Threat Mitigation</i></p> <p><b>Transition to Biological Pest Control:</b> Under Action 8.3, the Ministry of Agriculture has successfully disseminated guidelines for Integrated Pest Management (IPM). By replacing chemical pesticides with biological alternatives, this shift has proven effective in reducing the “Pesticide Environment Concentration” and protecting pollinators in sensitive agricultural zones. <i>Reference: National Agricultural Sector Strategy (2017-2022)</i></p> <p><b>Ecosystem-Based Liquid Waste Treatment:</b> The use of aquatic plants, such as Azolla sp., for sewage purification has been identified as an effective, low-cost method for nutrient removal. This ecosystem-based approach, alongside the establishment of the Rafah sewage treatment facility (facilitated by the ICRC), represents a critical step in reducing the 113 million liters of untreated sewage currently impacting the Mediterranean coast. <a href="https://www.arij.org/">https://www.arij.org/</a>, Costa et al., 1999, Costa, Maria &amp; Santos, Maria &amp; Carrapico, Francisco. (1999). Biomass characterization of Azolla filiculoides grown in natural ecosystems and wastewater. Hydrobiologia. 415. 323-327. 10.1023/A:1003824426183</p> <p><b>Solid Waste Reduction:</b> Community-Led Initiatives serve as a grassroots model for this action. Volunteer groups and start-ups are using mobile applications to facilitate recycling and engineering solutions to produce building materials from construction rubble, directly contributing to the reduction and recycling of non-organic waste. Details of these initiatives are available on the Palestinian CHM (<a href="https://ps.chm-cbd.net/threats">https://ps.chm-cbd.net/threats</a> &amp; <a href="https://ps.chm-cbd.net/publications">https://ps.chm-cbd.net/publications</a>).</p> <p><b>Pesticide Reduction:</b> The promotion of Biological Pest Control illustrates this action. The Ministry of Agriculture, guided by the National Agricultural Sector Strategy, is implementing measures to replace chemical pesticides with biological alternatives and integrated pest management (IPM). Specific guidelines for biological control have been disseminated to farmers to reduce reliance on agrochemicals and protect local biodiversity (source NBSAP 2022).</p> | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |          |                   |
| A.1 Red List of Ecosystems                                              | Headline | GBF-INDICATOR-A.1 |

Minimize the impact of climate change on biodiversity, contribute to mitigation and adaptation through ecosystem-based approaches, and ensure that all mitigation and adaptation efforts avoid negative impacts on biodiversity. **(National)**

Briefly describe the main actions taken to implement the target

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| <p><b>Action 9.1:</b> Develop a concerted plan of water management systems and policies that conserves biodiversity and ecosystem services</p> <p><b>Action 9.2:</b> Develop and implement a plan to monitor air pollution and controlling emissions based on new policies and procedures enforced by EQA in cooperation with other ministries.</p> <p><b>Action 9.3:</b> Implement action plans described in the national strategy for climate change (EQA)</p> | EN |
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Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p><b>8.b</b> Number of countries minimizing climate change impacts on biodiversity <a href="https://www.gbf-indicators.org/metadata/headline/8-B">https://www.gbf-indicators.org/metadata/headline/8-B</a></p> <p><b>National indicators outlined in the Action Plan (2023)</b></p> <p><b>National indicator for Action 9.1:</b> Government approved system with buy in from stakeholders</p> | EN |
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| <b>National indicator for Action 9.2:</b> Evidence of implementation and control      |  |
| <b>National indicator for Action 9.3:</b> See EQA 2016 for specific action indicators |  |

Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>The primary challenge to implementing National Target 9 is the lack of full sovereignty over land and resources, as highlighted in the State of Environment and Outlook Report (2020) <a href="https://www.un.org/unispal/document/state-of-environment-and-outlook-report-for-the-opt-2020-un-environmental-program-report/">https://www.un.org/unispal/document/state-of-environment-and-outlook-report-for-the-opt-2020-un-environmental-program-report/</a> . This limits the implementation of comprehensive environmental governance, as accessing or managing biodiverse land (especially in Area C) and key water sources remains difficult due to restrictions documented in the NAP 2016. This obstacle is further complicated by the environmental impacts of recurring conflicts, which affect infrastructure and long-term planning, as noted in the UNEP Preliminary Assessment of Environmental Impacts in Gaza (2024) <a href="https://reliefweb.int/report/occupied-palestinian-territory/environmental-impact-conflict-gaza-preliminary-assessment-environmental-impacts">https://reliefweb.int/report/occupied-palestinian-territory/environmental-impact-conflict-gaza-preliminary-assessment-environmental-impacts</a> .</p> <p>This situation impacts the target's specific actions. For Action 9.1 (Water Management), protecting aquifers from pollution or over-extraction is challenging, and damage to water and wastewater infrastructure in Gaza has led to contamination issues according to the UNEP Preliminary Assessment (2024). For Action 9.2 (Air Pollution), the EQA faces constraints in regulating emissions from Israeli industrial settlements and in managing air quality issues in Gaza, which have been exacerbated by the increased burning of waste for fuel due to resource shortages. (<a href="https://pmc.ncbi.nlm.nih.gov/articles/PMC12160645/">https://pmc.ncbi.nlm.nih.gov/articles/PMC12160645/</a> ).</p> <p>The implementation of Palestine’s core climate strategies (Action 9.3) faces financial and logistical hurdles. NAP 2016 has an identified funding gap of over \$3.5 billion, and the mitigation targets in the Implementation Roadmap for the NDC (2022) <a href="https://unfccc.int/sites/default/files/NDC/2022-06/NDC_State%20of%20Palestine_Implementation%20Road%20Map.pdf">https://unfccc.int/sites/default/files/NDC/2022-06/NDC_State%20of%20Palestine_Implementation%20Road%20Map.pdf</a> are largely conditional on international support. Furthermore, recent conflicts have impacted green investments, such as solar panels and restoration projects, as reported by UNEP (2024).</p> <p>To address these challenges, several approaches are recommended. Strengthening institutional coordination between the EQA, sectoral ministries, and local authorities is essential for integrated climate and biodiversity governance. Expanding the use of ecosystem-based approaches, including restoration of degraded ecosystems, protection of water resources, and sustainable land management, can enhance resilience to climate impacts.</p> <p>Improving environmental monitoring systems, including scaling up air-quality networks and integrating data into national platforms, will support evidence-based decision-making. In parallel, accelerating the approval and implementation of national strategies, including updated NDCs and sectoral plans, is critical.</p> <p>Mobilizing international climate finance and strengthening partnerships with international organizations will be essential to support implementation. Ensuring that all mitigation and adaptation measures incorporate biodiversity safeguards will also be necessary to avoid unintended negative impacts on ecosystems.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Water Management Plan:</b> This action is implemented through Palestine’s National Water Policy (2014) <a href="https://faolex.fao.org/docs/pdf/pal227516E.pdf">https://faolex.fao.org/docs/pdf/pal227516E.pdf</a>. This policy establishes the ecosystem-based approach, defining water as “a finite and vulnerable resource, essential for sustaining life, development and the environment”. It directly implements the national target by committing to “develop flexible strategies to deal with the impact of climate change on water resources” (Policy 3.1.6) and “prioritize the prevention of groundwater pollution... and ensure the protection of aquifers” (Policy 3.1.2). A specific case study illustrating the implementation of this plan is the “Advancing gender equality in water management in Palestine” policy brief (2024) <a href="https://www.gwp.org/globalassets/global/gwp-med-files/list-of-programmes/gwl/palestine-policy-brief.pdf">https://www.gwp.org/globalassets/global/gwp-med-files/list-of-programmes/gwl/palestine-policy-brief.pdf</a> . This initiative, supported by the Global Water Partnership (GWP-Med) and the Swedish International Development Cooperation Agency (Sida), directly links water management (Action 9.1) with gender equality and climate adaptation. It provides concrete policy recommendations to ensure women are included in water governance, which is a key component of Palestine's broader climate and gender strategies.</p> <p><b>Air Pollution Monitoring &amp; Control:</b> The EQA is actively implementing this action. A key case is the “Strengthening Palestinian Environmental Action Program” <a href="https://openaid.se/en/contributions/SE-0-SE-6-52110101">https://openaid.se/en/contributions/SE-0-SE-6-52110101</a> , supported by the Swedish International Development Agency (Sida). This program directly funds the EQA to hire and train “Environmental Inspection and Monitoring Officers”. The explicit role of these officers is to “monitor the point source and non-point source pollution across Palestine”, “collect periodic environmental samples” and “document environmental violations” which is the direct implementation of a plan to monitor and control emissions.</p> <p><b>Implementation of Climate Change Strategy:</b> This action is being implemented through two key national documents, both of which are central to Palestine’s commitment to the UNFCCC:</p> <p>NAP 2016: This is the foundational strategy. It identifies Palestine’s key vulnerabilities to climate change (e.g., water and food security) and prioritizes adaptation options for highly</p> | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |
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. Establish, strengthen capacity, and implement measures to prevent, manage or control potential adverse impacts of biotechnology on biodiversity and human health, reducing the risk of these impacts. **(National)**

Briefly describe the main actions taken to implement the target

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| Action 10.1: Adopt and implement the national biosafety framework | EN |
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Indicate the current level of progress towards the target

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| On track to achieve target |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>17.b Number of countries implementing biosafety measures <a href="https://www.gbf-indicators.org/metadata/headline/17-b">https://www.gbf-indicators.org/metadata/headline/17-b</a></p> <p><b>National indicators outlined in the Action Plan (2023)</b></p> <p>National indicators for Action 10.1: Evidence of policy and procedure change and centralized tracking (and transparency via CHM)</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>Despite the establishment of the National Biosafety Framework, implementation remains limited due to several institutional and technical challenges.</p> <p>A key challenge is the absence of fully operational regulatory mechanisms for biotechnology oversight. Risk assessment procedures for genetically modified organisms, licensing systems, and monitoring mechanisms have not yet been widely institutionalized. This limits the practical enforcement of biosafety regulations.</p> <p>Institutional capacity also remains limited. Dedicated biosafety regulatory structures and trained personnel are still developing, and coordination between ministries and regulatory bodies requires further strengthening.</p> <p>In addition, biosafety remains a relatively new policy area within national environmental governance. As a result, awareness among stakeholders and technical capacity for biotechnology risk assessment are still evolving.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Development of the National Biosafety Framework:</b> With funding from the Swedish International Development Cooperation Agency (Sida), EQA successfully finalized the NBF in 2021. This comprehensive document proposes the structure for the NBC and establishes a detailed risk classification system (Classes I-IV) for Genetically Modified Organisms (GMOs). This framework serves as the essential roadmap for all future biosafety regulation and implementation in the country.</p> <p><b>Capacity Building Initiatives:</b> To support the implementation of the framework, Palestinian academic institutions have established specialized centers to build local technical capacity:</p> <ul style="list-style-type: none"><li>• The UNESCO Biotechnology, Educational and Training Center (UNESCO-BETC) at Bethlehem University <a href="https://www.bethlehem.edu/ic/unesco-betc/">https://www.bethlehem.edu/ic/unesco-betc/</a> : This center plays a critical role in training scientists and students in plant molecular biology and diagnostic techniques, directly addressing the need for human resources in biosafety.</li><li>• The Palestine - Korea Biotechnology Center at Palestine Polytechnic University <a href="https://biotech.ppu.edu/en">https://biotech.ppu.edu/en</a> : This center provides advanced laboratory facilities for molecular biology and genetics, supporting national efforts to improve food security and preserve local genetic resources while managing biotechnology risks.</li></ul> <p><b>Integration of Academic Research into National Reporting:</b> The effectiveness of the biotechnology programs at Bethlehem University and AAUJ is demonstrated by their role in drafting the Fourth National Report on the Implementation of the Cartagena Protocol (2021). This collaboration shows a successful bridge between academic technical expertise and national regulatory reporting, ensuring that Palestine's biosafety status is communicated accurately to the international community.</p> <p><b>Establishment of Risk Classification Standards:</b> A key effective outcome of the National Biosafety Framework (NBF) was the creation of a four-tier Risk Classification System (Classes I-IV) for Genetically Modified Organisms (GMOs). This system has already begun to be used as a technical guideline for researchers in local laboratories to standardize safety protocols, even while full legislative enactment is pending.</p> | EN |
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**The Palestine-Korea Biotechnology Center as a Technical Hub:** The center at Palestine Polytechnic University (PPU) has effectively provided the high-tech infrastructure necessary for molecular diagnostics. By centralizing advanced genetics research, it serves as a practical model for how the proposed National Biosafety Committee (NBC) will eventually conduct risk assessments on imported Living Modified Organisms (LMOs). *Reference: Palestine-Korea Biotechnology Center*

**Public Access through the CHM:** The activation of the Biosafety node on the Palestinian Clearing-House Mechanism (CHM) has been effective in providing transparency. It ensures that the 2021 Framework and related legal reviews are publicly accessible to stakeholders, fulfilling the Cartagena Protocol's requirement for information sharing. *Reference: Palestinian CHM - Biosafety Node*

Indicator Data

Please note that all indicator data is located in the annex of the PDF.

A.1 Red List of Ecosystems

HeadlineGBF-INDICATOR-A.1

Enhance responsible living including in production and consumption that strengthens both biodiversity and people’s well-being. **(National)**

Briefly describe the main actions taken to implement the target

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| <p><b>Action 11.1:</b> Create a national system of incentives and disincentives relating to biodiversity conservation</p> <p><b>Action 11.2:</b> Enhance the EIA procedures to include detailed actual field surveys for biodiversity</p> <p><b>Action 11.3:</b> Publicize and implement the updated environmental law regarding the six threats that impact the Palestinian environment</p> <p><b>Action 11.4:</b> Develop green buildings criteria to encourage the vertical urban expansion to increase the biodiversity inside the cities</p> <p><b>Action 11.5:</b> Incorporate green design in public infrastructure (roads, public transportation, etc)</p> <p><b>Action 11.6:</b> Reforming/regulating quarrying to ensure it does not affect PAs and biodiversity</p> | EN |
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Indicate the current level of progress towards the target

Progress towards target but at an insufficient rate

Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Binary indicators</b></p> <p>16.b Number of countries implementing policies to promote sustainable consumption <a href="https://www.gbf-indicators.org/metadata/headline/16-b">https://www.gbf-indicators.org/metadata/headline/16-b</a></p> <p><b>Other national indicators</b></p> <p><b>National indicator for Action 11.1:</b> Data on responsible consumption and production produced by MOE with monitoring by EQA show positive change</p> <p><b>National indicator for Action 11.2:</b> Records of review that shows actual studies and rational for approvals/disapprovals (actions taken) including compiling a public database</p> <p><b>National indicator for Action 11.3:</b> Evidence of law implementation via cases brought to court, penalties levied, and records of corrective actions</p> <p><b>National indicator for Action 11.4:</b> Records of building licensure and approvals/disapprovals of building plans</p> <p><b>National indicator for Action 11.5:</b> Plan approved by government, funding sought/secured</p> <p><b>National indicator for Action 11.6:</b> Evidence of enforcement and regulations being implemented on the ground</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>A structured national system of incentives and disincentives for biodiversity-friendly production and consumption is still under development. The updated environmental law, which addresses pollution and overexploitation, has not yet been fully finalized or implemented. In addition, green building criteria and green design in public infrastructure are not yet fully developed at the national level. Progress is limited by</p> | EN |
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financial constraints, limited technical capacity, weak institutional coordination, competing national priorities, planning restrictions, and the broader political situation, particularly in areas where access to land and infrastructure development is restricted.

Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>The Palestinian Museum in Birzeit (Green Building Case):</b> Under Action 11.4, the Palestinian Museum serves as a leading example of the effectiveness of green building standards. As one of the first buildings in the region to receive LEED Gold certification, it demonstrates how energy-efficient design, water conservation, and environmentally sensitive construction can be successfully implemented in the Palestinian context. This project acts as a technical benchmark for the future development of national green building criteria. <i>Reference: <a href="#">The Palestinian Museum - Green Building Profile</a></i></p> <p><b>UN-Habitat Green Infrastructure Guidelines:</b> To support Action 11.5, the development of design guidelines in collaboration with UN-Habitat has proven effective in providing municipalities with a framework for sustainable public spaces. These guidelines promote the use of native vegetation, green corridors, and climate-adaptive materials in urban road design, helping to shift municipal planning toward biodiversity-supporting infrastructure. <i>Reference: <a href="#">UN-Habitat Palestine - Sustainable Urban Planning</a></i></p> <p><b>Capacity Building through the Palestine Green Building Council:</b> The work of the Palestine Green Building Council illustrates an effective approach to institutional strengthening. By training architects, engineers, and developers in sustainable construction, the council is successfully building the local expertise required to implement vertical urban expansion and biodiversity-friendly urban design, bridging the gap between national policy and private sector practice.</p> <p><b>Incremental EIA Strengthening:</b> Despite resource constraints (Action 11.2), the EQA has successfully initiated capacity-building programs for staff in environmental sampling and monitoring. These incremental steps are improving the technical oversight of Environmental Impact Assessments, ensuring that development projects begin to move toward more scientifically grounded biodiversity field surveys.</p> | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF.                              |          |                    |
| A.1 Red List of Ecosystems                                                                           | Headline | GBF-INDICATOR-A.1  |
| 15.1 Number of companies disclosing their biodiversity-related risks, dependencies and impacts       | Headline | GBF-INDICATOR-15.1 |
| 12.1 Average share of the built-up area of cities that is green or blue space for public use for all | Headline | GBF-INDICATOR-12.1 |
| 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use           | Headline | GBF-INDICATOR-18.1 |
| 18.2 Value of subsidies and other incentives harmful to biodiversity                                 | Headline | GBF-INDICATOR-18.2 |

. Develop policies, procedures, and systems to enhance equitable benefits from nature (e.g. eco-tourism, medicinal plants, recreational activities, green spaces) while protecting biodiversity. **(National)**

Briefly describe the main actions taken to implement the target

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| <p><b>Action 12.1:</b> Develop ecotourism (including agrotourism) plan with an oversight board, to develop and mainstream ecotour paths while minimizing impact on environment</p> <p><b>Action 12.2:</b> Develop and implement plans for restoring and reusing traditional knowledge in enhancing agrobiodiversity, food security, and biodiversity conservation</p> <p><b>Action 12.3:</b> Increase participation of women’s groups in ecosystem services, such as embroidery of fauna and flora, ecotourism, poverty alleviation, etc.</p> <p><b>Action 12.4:</b> Develop and implement a program to educate all sectors of society on healthy living practices (these protect biodiversity)</p> | EN |
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Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>C.1 Monetary benefits received <a href="https://gbf-indicators.org/metadata/headline/C-1">https://gbf-indicators.org/metadata/headline/C-1</a></p> <p>C.2 Non-monetary benefits arising from access and benefit-sharing instruments <a href="https://gbf-indicators.org/metadata/headline/C-2">https://gbf-indicators.org/metadata/headline/C-2</a></p> <p><b>Other national indicators</b></p> <p><b>National indicator for Action 12.1:</b> Guidelines for ecotourism developed, National training program developed, database for certified and licensed tour guides is developed, NGOs for ecotourism who have been duly trained (syllabus as evidence), existing tour paths have been evaluated (or reevaluated) included research on the biodiversity of the area</p> <p><b>National indicator for Action 12.2:</b> Regulations and policies in place to help</p> <p><b>National indicator for Action 12.3:</b> Number of women involved increased dramatically over base-level of 2023</p> <p><b>National indicator for Action 12.4:</b> Records of workshops, feedback on workshops (before and after evaluations)</p> | EN |
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**Provide a summary of key challenges encountered and different approaches that may be taken for further implementation**

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| <p>A comprehensive national ecotourism/agrotourism plan with clear sites, routes, guidelines and an oversight mechanism has not yet been fully established. Progress is limited by weak investment in nature-based tourism infrastructure, limited promotion of Palestinian natural attractions, lack of sovereignty and restricted access to many biodiversity-rich areas, and limited technical capacity in ecotourism planning, management and environmental interpretation.</p> <p>Additional challenges include limited progress in structurally empowering women within ecosystem-service frameworks, insufficient dedicated funding for women-led nature-based businesses, weak access to agricultural resources, and the need for stronger capacity-building and documentation of traditional knowledge. Awareness activities on healthy living and biodiversity protection also do not yet reach all sectors of society, especially marginalized communities, rural populations, youth outside formal education, and some professional sectors.</p> | EN |
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**Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.**

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| <p><b>“Sedo Al Muzare” – Digital Preservation of Traditional Knowledge:</b> Under Action 12.2, the Palestine Institute for Biodiversity and Sustainability (PIBS) developed an innovative mobile game application designed to teach younger generations about traditional Palestinian seed conservation and sustainable land management. This tool effectively bridges the gap between historical heritage and modern education, ensuring that traditional ecological knowledge remains accessible to the youth. <i>Reference: PIBS - Bethlehem University</i></p> <p><b>The “Mobile Museum” Caravan for Environmental Education:</b> To support Action 12.4, PIBS launched a mobile museum initiative that reached over 80 schools in 2025 alone. This initiative was particularly effective in reaching marginalized and underserved villages that cannot easily visit central museums, providing direct access to biodiversity education and healthy living concepts to those most isolated from national infrastructure.</p> <p><b>Nisa’ Al Shams (Women of the Sun) – Women’s Leadership in Nature:</b> Under Action 12.3, this NGO established a women’s club in 2025 specifically focused on medicinal plants, permaculture, and ecotourism. This case demonstrates the effectiveness of grassroots empowerment, where women are not just project participants but are taking active leadership roles in managing ecosystem services and generating conservation-linked income.</p> <p><b>Mainstreaming Ecotourism through Civil Society:</b> While a national plan is still in development (Action 12.1), organizations like the Palestine Society for Environment and Sustainable Development successfully organized over 100 field trips between 2022 and 2025. These trips effectively promoted environmental awareness and connected local and international visitors to Palestine’s natural heritage, providing a practical model for how ecotour paths can be managed with minimal environmental impact.</p> <p><b>Sustainable Eco-Tourism Initiative in Nablus:</b> An-Najah National University implemented a localized initiative that successfully linked ecosystem restoration with nature-based tourism. This project serves as an effective case study for how academic institutions can drive rural development and raise environmental awareness through the practical application of ecotourism principles.</p> | EN |
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## Indicator Data

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| Please note that all indicator data is located in the annex of the PDF.                              |          |                    |
| 12.1 Average share of the built-up area of cities that is green or blue space for public use for all | Headline | GBF-INDICATOR-12.1 |
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| 15.1 Number of companies disclosing their biodiversity-related risks, dependencies and impacts | Headline | GBF-INDICATOR-15.1 |
| 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use     | Headline | GBF-INDICATOR-18.1 |
| 18.2 Value of subsidies and other incentives harmful to biodiversity                           | Headline | GBF-INDICATOR-18.2 |

Develop sustainable agricultural production that ensures food sovereignty while enhancing biodiversity and providing fair and equitable benefit to all. **(National)**

**Briefly describe the main actions taken to implement the target**

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| <p><b>Action 13.1:</b> Develop a system that enhances agrobiodiversity for biodiversity protection and food production including for protection of local plant varieties and encouraging their cultivation</p> <p><b>Action 13.2:</b> Development and implementation of programs to enhance eco-friendly agriculture especially around olive trees</p> <p><b>Action 13.3:</b> Encourage local production and consumption to ensure food sovereignty and to minimize impact on environment</p> <p><b>Action 13.4:</b> Implement more fair trade and organic agriculture including of diverse high value products</p> <p><b>Action 13.5:</b> Expand community and home gardens as well as other similar community initiatives in a biodiversity friendly way</p> <p><b>Action 13.6:</b> Domesticate more wild varieties</p> | EN |
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**Indicate the current level of progress towards the target**

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| Progress towards target but at an insufficient rate |
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**Provide a summary of progress towards the target, including the main outcomes achieved**

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>10.1 Proportion of agricultural area under productive and sustainable agriculture <a href="https://gbf-indicators.org/metadata/headline/10-1">https://gbf-indicators.org/metadata/headline/10-1</a></p> <p>10.2 Progress towards sustainable forest management <a href="https://gbf-indicators.org/metadata/headline/10-2">https://gbf-indicators.org/metadata/headline/10-2</a></p> <p><b>Other national indicators</b></p> <p><b>National indicator for Action 13.1:</b> Evidence of programs developed and implemented; networking possibilities; established seed banks and gene banks</p> <p><b>National indicator for Action 13.2:</b> Targets achieved as evidenced by records, documents, spot checks etc.</p> <p><b>National indicator for Action 13.3:</b> Plan development records (with stakeholders)</p> <p><b>National indicator for Action 13.4:</b> Procedures and policies records; show change in behavior and knowledge of fair trade</p> <p><b>National indicator for Action 13.5:</b> National program for expanding green spaces has been developed and the program records and data on implementation shared on CHM</p> <p><b>National indicator for Action 13.6:</b> Program established and supported</p> | EN |
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**Provide a summary of key challenges encountered and different approaches that may be taken for further implementation**

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| <p><b>CHALLENGES</b></p> <p>Implementation of National Target 13 continues to face significant structural, environmental, and institutional challenges.</p> <p>A primary constraint is the political context, particularly restrictions on land access and resource control. Large areas of agricultural and rangeland ecosystems, especially in Area C, remain inaccessible or insecure, limiting the expansion of biodiversity-friendly agriculture, agroforestry, and sustainable rangeland management. Habitat fragmentation resulting from settlement expansion, road construction, and land-use change further undermines ecosystem connectivity and agricultural sustainability.</p> <p>Climate change represents an additional major challenge. Increasing rainfall variability, drought, and extreme weather events are affecting agricultural productivity and pushing farmers toward high-yield, climate-tolerant varieties, often at the expense of traditional local seeds.</p> |  |
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| <p>The relatively lower productivity of “baladi” varieties, combined with economic pressures, discourages their widespread use and contributes to erosion of agrobiodiversity.</p> <p>Institutional constraints also persist, including limited financial resources, restricted mobility of agricultural extension services, and the absence of a comprehensive national system for agrobiodiversity conservation and seed management. The vulnerability of local seed systems, including damage to seed conservation facilities, further highlights the need for stronger institutional frameworks.</p> <p>To address these challenges, future implementation should prioritize the development of a nationally coordinated agrobiodiversity and seed system that integrates research institutions, extension services, and farmer-led initiatives. Strengthening conservation of local genetic resources, including safeguarding seed banks and promoting farmer-based seed multiplication, will be critical.</p> <p>Scaling up conservation agriculture and eco-friendly farming practices through targeted incentives, technical support, and integration into national agricultural strategies can enhance biodiversity outcomes while maintaining productivity. Expanding short supply chains, supporting local markets, and promoting value addition for diverse agricultural products will further strengthen resilience and reduce environmental impacts.</p> <p>Greater alignment between agricultural policies, biodiversity objectives, and climate adaptation strategies is needed to ensure coherent and effective implementation. Continued international support and partnerships remain essential to address structural constraints and enable scaling of successful interventions.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Integrated Ecological Management in Olive Orchards:</b> Under Action 13.2, the MoA has effectively moved toward eco-friendly farming by distributing carob trees to olive farmers. This initiative serves as a practical example of biological pest control, where the carob trees support natural predators of olive pests, reducing the need for chemical pesticides. This is complemented by the distribution of electric cutting tools to encourage mechanical vegetation management over herbicide use. <i>Reference: MoA Achievements of the General Directorate of Agricultural Extension (2025)</i></p> <p><b>Large-Scale Home and Community Garden Expansion:</b> In response to food security challenges (Action 13.5), the MoA successfully distributed millions of seedlings across the West Bank between 2022 and 2025. This initiative has proven effective in increasing household-level dietary diversity and resilience. By pairing seedling distribution with training on composting and water-use efficiency, the program has effectively turned residential spaces into biodiversity-friendly production zones.</p> <p><b>Domestication of Native Wild Species for Afforestation:</b> Under Action 13.6, the General Directorate of Forests and Rangelands has shifted its strategy toward planting approximately 100,000 native seedlings annually, including oak, pistachio, jujube, and sumac. This approach has proven more effective than traditional afforestation because these species are naturally drought-resistant and support local beekeeping and medicinal plant harvesting, thereby linking forest conservation directly to local livelihoods. <i>Reference: Sustainable Afforestation Procedures Manual (2024)</i></p> <p><b>Strengthening Local Value Chains for Food Sovereignty:</b> Under Action 13.3, projects implemented with the UNDP have effectively reduced food loss through improved post-harvest handling of dates, grapes, and olives. By establishing direct market linkages between farmers and retailers, these initiatives have shortened supply chains, reducing the environmental footprint of transportation while ensuring a fairer economic return for local producers. <i>Reference: UNDP - Strengthening Local Agricultural Value Chains in Palestine (2023)</i></p> <p><b>Conservation Agriculture (CA) Adoption:</b> The transition to “no-tillage” and intercropping with legumes in olive systems has demonstrated effectiveness in improving soil fertility and water retention. This approach, supported by FAO (2023), has allowed farmers to maintain productivity despite increasing rainfall variability, proving that biodiversity-enhancing soil management is a viable climate adaptation strategy for Palestinian agriculture.</p> | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |                             |
| 10.2 Progress towards sustainable forest management                     | Headline GBF-INDICATOR-10.2 |

Expand and modernize research of habitats, ecosystems, species and traditional practices and ensure that it is used and shared equitably in society. (National)

Briefly describe the main actions taken to implement the target

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| <p><b>The NBSAP (2022) and the Action Plan (2023) prescribe the following actions for implementation under National target 14:</b></p> <p><b>Action 14.1:</b> Encourage and expand biodiversity research programs</p> <p><b>Action 14.2:</b> Develop biodiversity capacity building (research and practice) and mainstreaming programs that ensure gender equality</p> |  |
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| <p><b>Action 14.3:</b> Develop a functional clearing house mechanism that serves all needs for biodiversity areas (education, conservation, knowledge acquisition and dissemination, resource mobilization)</p> <p><b>Action 14.4:</b> Expand existing institutes of biodiversity and establish other similar centres</p> <p><b>Action 14.5:</b> Create a database of medicinal and herbal plants including methods of conservation</p> <p><b>Action 14.6:</b> Develop programs to ensure women hold minimum 40% of conservation jobs (at government and non-government levels) and participate equitably and share benefit (monetary and non-monetary) from biodiversity resources and knowledge generation</p> <p><b>Action 14.7:</b> Install weather stations across all habitats and make use of the remote sensing and GIS data</p> | EN |
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Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <div> <div>Indicators to be used to monitor the national target</div> <div> <div>Headline indicators</div> <div>20.CT.1 Total amount of funding to promote development, transfer, dissemination of environmentally sound technologies</div> </div> <div> <div>Other national indicators</div> <div> <p><b>National indicator for Action 14.1:</b> Research hub website and linked to CHM; Publications in reputable journals (minimum 120) and all publications related to Biodiversity shared on CHM; there is evidence of bridging science-policy-gap by showing use of research in setting national policies and producing actions on the ground</p> <p><b>National indicator for Action 14.2:</b> Programs functioning and graduating knowledgeable individuals. Data on program, participants, beneficiaries, stakeholders</p> <p><b>National indicator for Action 14.3:</b> CHM up and running and enriched with data and photographs especially of threatened species; CHM used to write national reports; Wildlife photographer’s knowledgeable about the usage of it</p> <p><b>National indicator for Action 14.4:</b> Institutional websites and their annual reports</p> <p><b>National indicator for Action 14.5:</b> NARC (MOA), Academic centers, NGOS</p> <p><b>National indicator for Action 14.6:</b> Program publications and communication evidence</p> <p><b>National indicator for Action 14.7:</b> Number of weather stations installed; quantity and quality of data collected and evidence use of the data in research and conservation</p> </div> </div> </div> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>Biodiversity research in Palestine remains limited, fragmented, and mostly project-based, with no comprehensive national research strategy or long-term funding mechanism. Existing research is mainly carried out by universities, NGOs, research centres, and donor-supported projects rather than through a coordinated national framework.</p> <p>Key challenges include limited and unstable research funding, restricted access to biodiversity-rich areas, shortage of taxonomic specialists, brain drain, limited institutional coordination, and weak integration of research outputs into national policy and decision-making. The development of national databases, including for medicinal and herbal plants, also remains limited and requires systematic data collection, institutional cooperation, and a centralized digital platform.</p> <p>Additional challenges relate to the limited participation of women in conservation jobs and biodiversity knowledge generation, as well as the limited coverage of weather stations, GIS, remote sensing, and environmental monitoring tools across all habitats. These systems are still unevenly distributed and not yet integrated into a unified national biodiversity monitoring system.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Establishment of the National Clearing-House Mechanism (CHM):</b> Under Action 14.3, the EQA successfully launched the Palestinian CHM in 2023. The platform now serves as the central digital repository for national biodiversity policies, species data, and CBD reports. This mechanism is the first of its kind to link Palestinian biodiversity data to the global CBD network, facilitating international knowledge exchange. <a href="#">Reference: Palestinian Clearing-House Mechanism (CHM)</a></p> <p><b>Academic Leadership in Biodiversity Documentation:</b> Action 14.1 and 14.4 are exemplified by the work of the Palestine Museum of Natural History (PMNH) and PIBS. These institutions have moved beyond basic research to produce over 100 scientific publications in international</p> |  |
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| <p>journals, effectively bridging the gap between local field data and global scientific knowledge. Their research specifically targets under-documented areas such as Palestinian mammalogy, parasitology, and native flora inventories.</p> <p><b>Climate-Smart Monitoring for Biodiversity and Agriculture:</b> Under Action 14.7, the expansion of the meteorological network has shown direct effectiveness in risk management. The installation of electronic monitoring stations and early warning systems—implemented in coordination with the FAO and the Green Climate Fund, now provides real-time alerts. This integration of climate data is essential for understanding habitat shifts and vulnerability to drought, directly informing both conservation planning and agricultural resilience.</p> <p><b>Innovative Gender-Inclusive Outreach:</b> To address Action 14.2 and 14.6, PIBS and the Nature Palestine Society have implemented mobile education initiatives, such as the Environmental Caravan, which reached over 80 schools in marginalized villages in 2025. These programs prioritize the participation of women and girls in field-based learning, demonstrating a successful model for mainstreaming gender equality in environmental education and research outside of urban centers.</p> <p><b>GIS and Remote Sensing for Ecosystem Analysis:</b> Academic and governmental studies have effectively utilized GIS and Remote Sensing technologies to map land-use changes and ecosystem vulnerability. These tools have been used to produce spatial analyses that are now critical for the EQA in identifying “biodiversity hotspots” that require immediate protection or restoration, moving the state toward a more data-driven conservation model.</p> | EN |
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Indicator Data

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| Please note that all indicator data is located in the annex of the PDF.                                                    |                   |                    |
| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments | GBF-INDICATOR-C.1 | Headline           |
| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments                     | Headline          | GBF-INDICATOR-C.2  |
| 21.1 Indicator on biodiversity information for monitoring the Kunming-Montreal Global Biodiversity Framework               | Headline          | GBF-INDICATOR-21.1 |

Mainstream biodiversity to all sectors of Palestinian society ensuring action plans that result in tangible and measurable protection of biodiversity (National)

Briefly describe the main actions taken to implement the target

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| <p><b>The NBSAP (2022) and the Action Plan (2023) prescribe the following actions for implementation under National target 15:</b></p> <p><b>Action 15.1:</b> Use of locals in the data collection process as a method of mainstreaming and upload to CHM and/or available data acquisition portals.</p> <p><b>Action 15.2:</b> Develop new programs (curricular and extracurricular) in Palestinian universities in areas of biodiversity and sustainability.</p> <p><b>Action 15.3:</b> Develop and implement the mass communication strategy and action plans for mainstreaming biodiversity through the media.</p> <p><b>Action 15.4:</b> Develop programs with ministry of education to change Palestinian school curricula and enhance extra-curricular activities including environmental clubs.</p> <p><b>Action 15.5:</b> Make yearly and monthly national themes for biodiversity as well as calendar of key days for biodiversity.</p> <p><b>Action 15.6:</b> Develop programs to integrate biodiversity values into university systems at all levels (staff, faculty, students) including developing green academic institutions.</p> <p><b>Action 15.7:</b> Develop youth programs including by use of museums of natural and cultural heritage as well as botanic gardens.</p> <p><b>Action 15.8:</b> Designate other national fauna and flora similar to the Sunbird (national bird) and Faquaa Iris (national plant).</p> | EN |
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Indicate the current level of progress towards the target

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| Progress towards target but at an insufficient rate |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>No suggested headline indicator</b></p> |  |
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| <b>Other national indicators</b>                                                                                                                                                        |    |
| <b>National indicator for Action 15.1:</b> Data uploaded on CHM, iNaturalist, observation.org etc. from amateur naturalists in Palestine (checked by professionals). Workshops records. |    |
| <b>National indicator for Action 15.2:</b> Programs started and students are enrolled in it, published studies.                                                                         |    |
| <b>National indicator for Action 15.3:</b> Mainstream and social media coverage.                                                                                                        | EN |
| <b>National indicator for Action 15.4:</b> Before and after school curricula showing change to increase biodiversity conservation.                                                      |    |
| <b>National indicator for Action 15.5:</b> Actual record of thematic work activities by stakeholders.                                                                                   |    |
| <b>National indicator for Action 15.6:</b> Evidence of programs, minutes of meetings, actual implementation starting.                                                                   |    |
| <b>National indicator for Action 15.7:</b> Evidence of new institutions, new programs, and number of beneficiaries increased dramatically (100% by 2030).                               |    |
| <b>National indicator for Action 15.8:</b> Adopted national new animals by 2030 and programs to disseminate info on them under way.                                                     |    |

Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| Although progress has been made in academic mainstreaming and citizen science, overall progress remains insufficient. The report notes that environmental education and biodiversity mainstreaming have been seriously affected by the destruction of educational infrastructure in the Gaza Strip, where many universities and schools have been damaged or destroyed, halting formal environmental education programmes. |    |
| Other challenges include the need to further institutionalize biodiversity in school curricula, university systems, media strategies, youth programmes, national awareness campaigns, and citizen-science platforms. More coordination, funding, technical capacity, and stronger links between public participation, CHM data platforms, education, and measurable biodiversity protection actions are still needed.      | EN |

Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| Case Study: Academic Mainstreaming at Bethlehem University (Actions 15.2 & 15.6): The launch of the Bachelor's degree in “Biodiversity and Sustainability” is a direct outcome of the NBSAP. Beyond the curriculum, the university functions as a “living lab” (Action 15.6) by generating its own renewable energy and maintaining the Palestine Museum of Natural History on campus, effectively mainstreaming biodiversity into the daily lives of thousands of students and staff. <a href="https://www.palestinenature.org/">https://www.palestinenature.org/</a> |    |
| Case Study: Citizen Science via Mahmiyat.ps (Action 15.1): This platform has revolutionized data collection by turning hikers into “citizen scientists”. By organizing weekly environmental walks and providing a digital platform for uploading photos of flora and fauna, they have filled critical data gaps in the West Bank. <a href="https://www.mahmiyat.ps/">https://www.mahmiyat.ps/</a>                                                                                                                                                                      | EN |

Indicator Data

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| Please note that all indicator data is located in the annex of the PDF.                                                    |                   |                    |
| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments | GBF-INDICATOR-C.1 | Headline           |
| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments                     | Headline          | GBF-INDICATOR-C.2  |
| 21.1 Indicator on biodiversity information for monitoring the Kunming-Montreal Global Biodiversity Framework               | Headline          | GBF-INDICATOR-21.1 |

Restructure entities that are engaged in biodiversity research, education, and conservation and connections between them to be more effective as a conservation network by (among other things) creating channels of communication, joint capacity building, mergers of entities, creation of new entities and NGOs in deserving areas, and management restructuring in the EQA and areas of other ministries related to biodiversity. **(National)**

Briefly describe the main actions taken to implement the target

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| <b>The NBSAP (2022) and the Action Plan (2023) prescribe the following actions for implementation under National target 16:</b>                     |  |
| <b>Action 16.1:</b> Create a National Biodiversity Oversight Committee (NBOC) of effective partners and stakeholders to manage and implement NBSAP. |  |

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| <p><b>Action 16.2:</b> Increase capacity building for government officials related to biodiversity.</p> <p><b>Action 16.3:</b> Develop programs for training school teachers and professors to teach courses and modules related to biodiversity.</p> <p><b>Action 16.4:</b> Revisit signed agreements and put biodiversity issues on agenda of negotiations over our natural resources.</p> <p><b>Action 16.5:</b> Join four international treaties after ensuring proper mechanisms for compliance and benefits: Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), Convention on Wetlands (RAMSAR) 1971, CMS (Convention on Migratory Species) - Bonn, and Agreement on the Conservation of African-Eurasian Migratory Waterbirds.</p> <p><b>Action 16.6:</b> Reforming governance and administrative organization of relevant sections of EQA, MOA, and NGOs to ensure efficiency and efficacy of operations related to biodiversity conservation.</p> <p><b>Action 16.7:</b> Develop programs to encourage further work via regional and global networking with relevant entities (planetary responsibility).</p> <p><b>Action 16.8:</b> Develop NGOs and introduce branches of existing environmental institutions in poorly served areas.</p> <p><b>Action 16.9:</b> Developing plans for regular contact between researchers and policy makers to ensure that the gap between science and policy is bridged.</p> <p><b>Action 16.10:</b> Provide legislative and outreach actions to private sector to encourage green and biodiversity protective business practices.</p> | EN |
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Indicate the current level of progress towards the target

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| On track to achieve target |
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Provide a summary of progress towards the target, including the main outcomes achieved

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| <p><b>Indicators to be used to monitor the national target</b></p> <p><b>Headline indicators</b></p> <p>No headline indicator</p> <p><b>Other national indicators</b></p> <p><b>National Indicator for Action 16.1:</b> Bylaws of NBOC adopted and published; meetings with relevant stakeholders with meetings minutes showing actions.</p> <p><b>National Indicator for Action 16.2:</b> Program training material (including syllabus, subjects, videos, power points etc.); Program attendance sheets; inclusion of biodiversity in other governmental strategies.</p> <p><b>National Indicator for Action 16.3:</b> Actual training material (including syllabus, subjects, videos, power points etc.); Program attendance sheets, records of training workshops.</p> <p><b>National Indicator for Action 16.4:</b> Decisions taken by PLO and the State of Palestine documented and disseminated.</p> <p><b>National Indicator for Action 16.5:</b> Actual signed agreement and ratification; reports submitted for signed conventions.</p> <p><b>National Indicator for Action 16.6:</b> Evidence of operational efficiency and efficacy by data.</p> <p><b>National Indicator for Action 16.7:</b> Program is developed and being implemented, List of global organizations, networks, signed MOUs.</p> <p><b>National Indicator for Action 16.8:</b> Evidence of increased efficiency and productivity via annual reports and summary reports from EQA; New NGOs created.</p> <p><b>National Indicator for Action 16.9:</b> Evidence provided by policy being guided by research (overseen by NBOC).</p> <p><b>National Indicator for Action 16.10:</b> System in place; records kept, number of modular institutions following green practices</p> | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <p>challenges related to institutional coordination, governance, and capacity. Although progress has been made through international integration and stronger NGO cooperation, the establishment of a fully operational national biodiversity coordination system still requires clearer mandates, regular communication channels, adopted bylaws, documented meetings, and stronger mechanisms to link researchers, policymakers, ministries, NGOs, and the private sector.</p> <p>A key challenge is that accession to additional biodiversity-related treaties, such as <b>CITES</b> and <b>Ramsar</b>, remains constrained by the lack of sovereignty over borders and Area C. Implementation also requires further restructuring within EQA, MoA, and relevant NGOs, stronger capacity-building for government officials, teachers and professors, better science-policy links, expansion of environmental NGOs in underserved areas, and more engagement with the private sector to encourage biodiversity-friendly practices.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Bridging Science and Policy:</b> The 2023 revision of the Protected Areas Network (PAN) is the most successful example of this target. The EQA relied on a scientific committee comprising PIBS, IUCN, and local experts who used Marxan software and spatial analysis. This collaboration resulted in a reduction of proposed reserves from ~50 to 28 scientifically viable sites, demonstrating an effective “Conservation Network” in action.</p> <p><b>NGO Restructuring for Crisis Response:</b> In response to the conflict in Gaza (2023-2024), the Palestinian Environmental NGOs Network (PENGON) restructured its working groups to focus on “Environmental Emergency Monitoring”. They successfully coordinated with international bodies (like the UN Special Rapporteur on Human Rights and the Environment) to document damage to water and agricultural biodiversity.</p> | EN |
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## Indicator Data

|                                                                                                                                                 |          |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| Please note that all indicator data is located in the annex of the PDF.                                                                         |          |                   |
| D.1 International public funding, including official development assistance for conservation and sustainable use of biodiversity and ecosystems | Headline | GBF-INDICATOR-D.1 |
| D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems                                                  | Headline | GBF-INDICATOR-D.2 |
| D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems                             | Headline | GBF-INDICATOR-D.3 |

Increase financial and non-financial resources for biodiversity in SP (doubled by 2030 and quadrupled by 2050). **(National)**

### Briefly describe the main actions taken to implement the target

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |
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| <p><b>Action 17.1:</b> Develop an Environmental Trust Fund (ETF) to support local campaigns and environmental projects</p> <p><b>Action 17.2:</b> Marshal global and local resources available for local biodiversity and makes Palestinian biodiversity globally visible</p> <p><b>Action 17.3:</b> Develop capacity for project fundraising and management in biodiversity stakeholders especially for women</p> <p><b>Action 17.4:</b> All budgets for projects and institutions dealing with biodiversity should be transparent and publicized including their outputs and outcomes (including on CHM</p> | EN |
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### Indicate the current level of progress towards the target

|                                                     |
|-----------------------------------------------------|
| Progress towards target but at an insufficient rate |
|-----------------------------------------------------|

### Provide a summary of progress towards the target, including the main outcomes achieved

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |
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| <p><b>Indicators to be used to monitor the National target</b></p> <p><b>Headline indicators</b></p> <p><b>D.1</b> International public funding <a href="https://gbf-indicators.org/metadata/headline/D-1">https://gbf-indicators.org/metadata/headline/D-1</a></p> <p><b>D.2</b> Domestic public funding <a href="https://gbf-indicators.org/metadata/headline/D-2">https://gbf-indicators.org/metadata/headline/D-2</a></p> <p><b>D.3</b> Private funding <a href="https://gbf-indicators.org/metadata/headline/D-3">https://gbf-indicators.org/metadata/headline/D-3</a></p> <p><b>National indicators outlined in the Action Plan (2023)</b></p> <p><b>National indicator for Action 17.1:</b> Indicators: The Environmental Trust Fund has been developed; local campaigns and projects implemented via the ETF</p> <p><b>National indicator for Action 17.2:</b> Plan shown to be created and is working; Palestinian biodiversity has gained attention regionally and globally through financial support, increased twinning programs and international partnerships/memberships; increased volunteer support from abroad and locally</p> <p><b>National indicator for Action 17.3:</b> Records of successful training (gender ratio 50:50), before and after surveys</p> <p><b>National indicator for Action 17.4:</b> Records summarized on CHM, links to websites of institutions where all data should be visible</p> | EN |
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### Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

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| <ul style="list-style-type: none"> <li>Political and economic context: The primary challenge remains the lack of full sovereignty over natural and financial resources due to the occupation. This complicates long-term domestic public investment and can disrupt the inflow of international aid.</li> </ul> |  |
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| <ul style="list-style-type: none"> <li>Funding gaps: Palestine has faced political blocks on funding from major mechanisms like the Global Environment Facility (GEF), which is noted as a significant obstacle in the 6NR. This has required a pivot to non-traditional and bilateral funding sources.</li> </ul> <p>Capacity retention: While training workshops are successful (Action 17.3), a continuous challenge is the retention of skilled staff within national institutions, requiring a sustainable and continuous approach to capacity building.</p> | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| <p><b>Illustrating Action 17.1</b> (Environmental Trust Fund - ETF): The ETF is a central component of the 2022 NBSAP, designed to “support local campaigns and environmental projects”. While the ETF itself is in the establishment phase, its design is informed by past challenges in resource mobilization identified in the 6NR. As a foundational step, the EQA has successfully secured targeted support from international partners for strategic projects. A key example is the support from the Swedish International Development Agency (SIDA), which has funded the development of Palestine’s national biosafety framework, the national strategy for invasive species, and updates to environmental laws. This demonstrates a successful model of securing international funds for high-priority national environmental actions, which the future ETF will manage and scale. (2022 NBSAP, 2021 6NR).</p> <p><b>Illustrating Action 17.2</b> (Marshalling Resources &amp; Visibility): A primary case study for this action is the “Mahmiyat.ps” project <a href="https://mahmiyat.ps/">https://mahmiyat.ps/</a> , supported by the Hanns Seidel Foundation (HSF). This initiative established the first comprehensive web portal for Palestinian nature reserves. It directly addresses the goal of making Palestinian biodiversity “globally visible” by providing an accessible, high-quality online database of flora, fauna, and protected area information. This platform serves as a critical educational and ecotourism tool for both local and international audiences. Furthermore, Palestine has successfully marshaled resources through partnerships with the EU Partnership for Peace Programme (PfP), which has since been renamed the EU Peacebuilding Initiative (EUPI) <a href="https://www.eeas.europa.eu/node/12391_en">https://www.eeas.europa.eu/node/12391_en</a>. As listed in the 6NR, this program funded cross-border cooperation projects such as “Promoting Israeli Palestinian cross border cooperation in nature conservation and eco-tourism” and “Raptor pest control as a sustainable resource management model in the Jordan Valley”. (2021 6NR)</p> <p><b>Illustrating Action 17.3</b> (Capacity Building, especially for Women): Capacity building is a continuous effort by governmental, academic, and non-governmental stakeholders. Between 2015-2020, the Palestine Institute for Biodiversity and Sustainability (PIBS) at Bethlehem University trained over 7,000 individuals, and the Land Research Center trained 2,800 people in environmental work. This action is strongly linked to the national gender strategy, which recognizes women as “agents of positive change”. The 2022 NBSAP builds on the EQA’s 2013 agreement with the Ministry of Women’s Affairs by explicitly requiring fundraising training to maintain a 50:50 gender ratio to ensure women's full participation in environmental management. (2021 6NR, 2022 NBSAP)</p> <p><b>Illustrating Action 17.4</b> (Transparency &amp; CHM): Action 17.4 is being implemented by establishing the necessary platforms for transparency. The Palestinian Clearing-House Mechanism (CHM) <a href="https://ps.chm-cbd.net/node/4">https://ps.chm-cbd.net/node/4</a> has been updated as part of the 2022 NBSAP process. This platform, along with increased data sharing on global portals like the Global Biodiversity Information Facility (GBIF) <a href="https://www.gbif.org/">https://www.gbif.org/</a>, establishes the technical infrastructure for transparency. As of 2021, Palestinian partners had contributed over 203,000 biodiversity occurrence records to GBIF and over 24,000 observations to Observation.org <a href="https://observation.org/">https://observation.org/</a>. This demonstrates a strong commitment to data transparency, which the action plan now extends to financial data for all biodiversity projects, to be summarized on the CHM. (2021 6NR, 2022 NBSAP).</p> | EN |
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## Indicator Data

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| Please note that all indicator data is located in the annex of the PDF.                                                                         |          |                   |
| D.1 International public funding, including official development assistance for conservation and sustainable use of biodiversity and ecosystems | Headline | GBF-INDICATOR-D.1 |
| D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems                                                  | Headline | GBF-INDICATOR-D.2 |
| D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems                             | Headline | GBF-INDICATOR-D.3 |

|                                                                                                                                                           |    |
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| GBF-T13. Fair and equitable sharing of benefits from genetic resources, digital sequence information and associated traditional knowledge <b>(Global)</b> |    |
| Briefly describe the main actions taken to implement the target                                                                                           |    |
| No data available                                                                                                                                         | EN |
| Indicate the current level of progress towards the target                                                                                                 |    |
| Not applicable                                                                                                                                            |    |
| Provide a summary of progress towards the target, including the main outcomes achieved                                                                    |    |

|                   |    |
|-------------------|----|
| No data available | EN |
|-------------------|----|

Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

|                   |    |
|-------------------|----|
| No data available | EN |
|-------------------|----|

Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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|-------------------|----|
| No data available | EN |
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## Indicator Data

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|-------------------------------------------------------------------------|
| Please note that all indicator data is located in the annex of the PDF. |
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| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments | GBF-INDICATOR-C.1<br>Headline |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|

|                                                                                                        |                               |
|--------------------------------------------------------------------------------------------------------|-------------------------------|
| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments | Headline<br>GBF-INDICATOR-C.2 |
|--------------------------------------------------------------------------------------------------------|-------------------------------|

GBF-T23. Implementation follows a gender-responsive approach (Global)

Briefly describe the main actions taken to implement the target

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|-------------------|----|
| No data available | EN |
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Indicate the current level of progress towards the target

|                |
|----------------|
| Not applicable |
|----------------|

Provide a summary of progress towards the target, including the main outcomes achieved

|                   |    |
|-------------------|----|
| No data available | EN |
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Provide a summary of key challenges encountered and different approaches that may be taken for further implementation

|                   |    |
|-------------------|----|
| No data available | EN |
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Provide examples or cases to illustrate the effectiveness of the actions taken to implement the target. Provide relevant hyperlinks or attach related materials or publications, as needed.

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| No data available | EN |
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## Indicator Data

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| Please note that all indicator data is located in the annex of the PDF. |
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### Section IV Assessment of national progress contributing to the goals of the Kunming-Montreal Global Biodiversity Framework

GBF-G-A. Ecosystems are conserved, extinctions are halted and genetic diversity is maintained

Summary of national progress contributing to the global goals

|                                                                                                                                                                                                                                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Palestine scientifically revised its Protected Areas Network (PAN), which now formally covers an updated and assessed area of the land. To protect specific habitats, micro-reserves such as the Jinsafut vernal pool were designated. Key policy steps include the adoption of the National Invasive |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

Species Strategy and Action Plan (NISSAP) in 2022 and the National Biosafety Framework (NBF) in 2021. The National Strategy for Solid Waste Management (NSSWM) is being extended to address pollution. Progress in rehabilitating freshwater and marine ecosystems is slowed by access restrictions, conflict, and a lack of sovereignty.

EN

Indicator Data

Please note that all indicator data is located in the annex of the PDF.

GBF-G-B. Biodiversity is sustainably used and its contributions to people are maintained, enhanced or restored

Summary of national progress contributing to the global goals

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| <p><b>National Targets 4, 6, 9, 11, 12, 13</b></p> <p>Agricultural practices are shifting toward conservation, including the reduction of tilling and the planting of carob trees for biological pest control in olive orchards. Climate adaptation and mitigation are guided by the National Adaptation Plan and Nationally Determined Contributions. Environmental police are monitoring local markets to regulate wildlife trade. Ecotourism and public awareness are expanding through platforms like Mahmiyat.ps, and grassroots initiatives involve women in nature-based activities. Evidence of environmental damage caused by occupation is being systematically documented.</p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

GBF-G-C. Benefits from the use of genetic resources are shared and substantially increased

Summary of national progress contributing to the global goals

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <p>Mechanisms to share benefits from nature are developing primarily through the documentation and reuse of traditional agricultural knowledge. The Palestine Institute for Biodiversity and Sustainability (PIBS) created the “Sedo Al Muzare” digital application to teach youth about traditional seed conservation and land management. Organizations like Nisa’ Al Shams actively involve women in medicinal plants, nature conservation, permaculture, and ecotourism, providing local income opportunities while preserving ecological heritage.</p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

GBF-G-D. The biodiversity funding gap of 700 billion USD is progressively closed by ensuring adequate means of implementation are available.

Summary of national progress contributing to the global goals

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <p>Academic mainstreaming advanced with the accreditation of a Bachelor’s degree in Biodiversity and Sustainability at Bethlehem University. The national CHM was launched in 2023, and citizen science resulted in hundreds of thousands of biodiversity records on global platforms like the Global Biodiversity Information Facility (GBIF). Progress is limited by the lack of an operating Environmental Trust Fund (ETF), restricted access to the Global Environment Facility (GEF), and geopolitical barriers to international treaties like the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). As a result, conservation projects rely on partnerships with organizations such as the Swedish International Development Cooperation Agency (SIDA), the Critical Ecosystem Partnership Fund (CEPF), and the International Union for Conservation of Nature (IUCN).</p> | EN |
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Indicator Data

Please note that all indicator data is located in the annex of the PDF.

Section V Conclusions on the national implementation of the Convention on Biological Diversity and the Kunming-Montreal Global Biodiversity Framework

Provide a summary assessment of the implementation of the Convention and the Framework, including all its sections, and the main achievements and the major challenges encountered and, where applicable, resolved, in particular those related to capacity, technical, technological, institutional and financial gaps and constraints, and support provided for implementation.

The State of Palestine is actively working to implement the CBD and the Kunming-Montreal GBF through its NBSAP 2022 and Action Plan 2023. A main achievement is the scientific revision of the Protected Areas Network (PAN), which was reviewed between 2021 and 2022, formally adopted in June 2023, and now formally covers an updated and assessed area of the land. Because large-scale protection is often not possible due to the lack of sovereignty, limited funding opportunities, restrictions on movement, and restricted access to natural areas (particularly in Area C of the West Bank) which create fragmented landscapes, Palestine has designated micro-reserves like the Jinsafut vernal pool to protect specific habitats. The government has adopted the National Spatial Development Plan 2050 (NSDP 2050) in 2025, the National Invasive Species Strategy and Action Plan 2022-2030 (NISSAP) in 2022 and completed and issued the National Biosafety Framework (NBF) in 2021. Scientific research has produced a Red List assessment of wild plants in the West Bank and ecological management plans for wetland areas near the Dead Sea and Jordan Valley. In agriculture, farmers are adopting conservation practices like reduced tilling and biological pest control, while local seed banks work to preserve plant genetic diversity. Environmental education has advanced with a new Bachelor’s degree in Biodiversity and Sustainability at Bethlehem University. Furthermore, citizen science has led to numerous biodiversity observations on global platforms such as the Global Biodiversity Information Facility (GBIF), Observation.org, and iNaturalist, and Palestine has launched its national CHM in 2023 to share environmental data.

Progress is primarily hindered by the Israeli occupation and colonization, which the national strategy explicitly identifies as a major threat to biodiversity. The lack of sovereignty over borders and natural resources restricts environmental governance. Israeli restrictions prevent access to nature reserves and ecologically important sites, which directly limits the ability of researchers to conduct the systematic field surveys needed to develop national Red Lists for endangered species. The classification of a majority of the West Bank as Area C prevents the establishment of waste management infrastructure, while Palestine also faces issues with the transport of e-waste from Israel into the Hebron District. Furthermore, reports highlight how Israeli settlement wastewater deteriorates Palestinian agricultural lands and causes habitat fragmentation. The occupation's impact is also evident in the Gaza Strip, where an EQA assessment (2023-2024) of the Israeli war documented large-scale environmental damage, pollution, the extensive levelling of land, and the widespread destruction of agricultural areas. Israeli control over borders also complicates Palestine's ability to monitor invasive species and accede to international treaties like the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), which remains pending.

In addition to the occupation, domestic funding for the environment is limited, and the planned Environmental Trust Fund (ETF) is not yet operational. Palestine faces blockades on funding from major mechanisms like the Global Environment Facility (GEF), leaving most projects dependent on short-term international aid. Updating national environmental laws is an ongoing process, and there is a shortage of specialists in taxonomy and advanced technological monitoring. Despite these barriers, Palestine continues to advance its environmental goals. By cooperating with academic institutions, local communities, non-governmental organizations, and international partners, the state is taking steady, practical steps toward managing its natural resources and meeting its global biodiversity targets.

EN

Section other information: Information as requested in related decisions adopted by the Conference of the Parties at its fifteenth meeting.

Annex : Indicator Data

| A.1 Red List of Ecosystems    |  | Headline          | GBF-INDICATOR-A.1 |
|-------------------------------|--|-------------------|-------------------|
| Source of Data                |  | No data available |                   |
| Please describe the situation |  | No data available | EN                |

| A.1 Red List of Ecosystems    |  | Headline          | GBF-INDICATOR-A.1 |
|-------------------------------|--|-------------------|-------------------|
| Source of Data                |  | No data available |                   |
| Please describe the situation |  |                   |                   |

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| No data available | EN |
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| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

|                                      |          |                   |
|--------------------------------------|----------|-------------------|
| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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|--------------------------------------|----------|-------------------|
| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

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|--------------------------------------|----------|-------------------|
| A.1 Red List of Ecosystems           | Headline | GBF-INDICATOR-A.1 |
| <b>Source of Data</b>                |          |                   |
| No data available                    |          |                   |
| <b>Please describe the situation</b> |          |                   |
| No data available                    |          | EN                |

|                                                                                                                                                              |          |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 15.1 Number of companies disclosing their biodiversity-related risks, dependencies and impacts                                                               | Headline | GBF-INDICATOR-15.1 |
| <b>Source of Data</b>                                                                                                                                        |          |                    |
| No data available                                                                                                                                            |          |                    |
| <b>Please describe the situation</b>                                                                                                                         |          |                    |
| No national quantified data are currently available on the number of companies in Palestine disclosing biodiversity-related risks, dependencies and impacts. |          | EN                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 12.1 Average share of the built-up area of cities that is green or blue space for public use for all                                                                                                                                                                                                                                                                                                                        | Headline | GBF-INDICATOR-12.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                       |          |                    |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                           |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                        |          |                    |
| No national quantified data are currently available on the average share of built-up areas of Palestinian cities that are green or blue space for public use. The 7NR notes that urban green spaces, parks, vegetated corridors, rooftop gardens, urban agriculture, green infrastructure, and nature-based solutions are recognized as important for supporting urban biodiversity and improving environmental conditions. |          | EN                 |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Headline | GBF-INDICATOR-18.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                    |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                    |
| A structured national system of positive incentives for biodiversity conservation and sustainable use has not yet been fully established in Palestine. The 7NR states that creating a national system of incentives and disincentives is recognized as an important priority under National Target 11 and is reflected in the NBSAP 2022. However, progress remains limited due to financial constraints, limited institutional capacity, and the broader political context. Future implementation requires legal, financial and institutional mechanisms to support incentives for habitat restoration, sustainable agriculture, biodiversity-friendly land management, protected area management, and environmental enforcement. |          | EN                 |

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|----------------------------------------------------------------------|----------|--------------------|
| 18.2 Value of subsidies and other incentives harmful to biodiversity | Headline | GBF-INDICATOR-18.2 |
| <b>Source of Data</b>                                                |          |                    |
| No data available                                                    |          |                    |
| <b>Please describe the situation</b>                                 |          |                    |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| No quantified national data are available on the value of subsidies or incentives harmful to biodiversity in Palestine. The 7NR notes that incentives and disincentives for biodiversity conservation are still under development, and further work is needed to identify, assess, reform, and monitor harmful subsidies. | EN |
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 12.1 Average share of the built-up area of cities that is green or blue space for public use for all                                                                                                                                                                                                                                                                                                                        | Headline | GBF-INDICATOR-12.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                       |          |                    |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                           |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                        |          |                    |
| No national quantified data are currently available on the average share of built-up areas of Palestinian cities that are green or blue space for public use. The 7NR notes that urban green spaces, parks, vegetated corridors, rooftop gardens, urban agriculture, green infrastructure, and nature-based solutions are recognized as important for supporting urban biodiversity and improving environmental conditions. | EN       |                    |

|                                                                                                                                                              |          |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 15.1 Number of companies disclosing their biodiversity-related risks, dependencies and impacts                                                               | Headline | GBF-INDICATOR-15.1 |
| <b>Source of Data</b>                                                                                                                                        |          |                    |
| No data available                                                                                                                                            |          |                    |
| <b>Please describe the situation</b>                                                                                                                         |          |                    |
| No national quantified data are currently available on the number of companies in Palestine disclosing biodiversity-related risks, dependencies and impacts. | EN       |                    |

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| 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Headline | GBF-INDICATOR-18.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                    |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                    |
| A structured national system of positive incentives for biodiversity conservation and sustainable use has not yet been fully established in Palestine. The 7NR states that creating a national system of incentives and disincentives is recognized as an important priority under National Target 11 and is reflected in the NBSAP 2022. However, progress remains limited due to financial constraints, limited institutional capacity, and the broader political context. Future implementation requires legal, financial and institutional mechanisms to support incentives for habitat restoration, sustainable agriculture, biodiversity-friendly land management, protected area management, and environmental enforcement. | EN       |                    |

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| 18.2 Value of subsidies and other incentives harmful to biodiversity                                                                                                                                                                                                                                                      | Headline | GBF-INDICATOR-18.2 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                     |          |                    |
| No data available                                                                                                                                                                                                                                                                                                         |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                      |          |                    |
| No quantified national data are available on the value of subsidies or incentives harmful to biodiversity in Palestine. The 7NR notes that incentives and disincentives for biodiversity conservation are still under development, and further work is needed to identify, assess, reform, and monitor harmful subsidies. | EN       |                    |

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|-----------------------------------------------------|----------|--------------------|
| 10.2 Progress towards sustainable forest management | Headline | GBF-INDICATOR-10.2 |
| <b>Source of Data</b>                               |          |                    |
| No data available                                   |          |                    |

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| <b>Please describe the situation</b>                                                                                                                                                                                                            |  |    |
| Forest protection is included in national laws and strategies, but Palestine has no separate forest strategy yet. Forest area declined to about 4% of total land area, so stronger protection, legal updates, and restoration are still needed. |  | EN |

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| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments                                                                                                                                                                                                                                                                             | Headline | GBF-INDICATOR-C.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                  |          |                   |
| No data available                                                                                                                                                                                                                                                                                                                                                                                      |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                   |          |                   |
| The 7NR does not provide a quantified national value for C.1 Monetary benefits received from applicable international access and benefit-sharing instruments. ABS mechanisms in Palestine are still under development, and further work is needed to establish legal, administrative and monitoring systems to document monetary benefits from genetic resources and associated traditional knowledge. |          | EN                |

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| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments                                                                                                                                                                                                                                                                                                     | Headline | GBF-INDICATOR-C.2 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                      |          |                   |
| No data available                                                                                                                                                                                                                                                                                                                                                                                          |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                       |          |                   |
| The 7NR identifies C.2 Non-monetary benefits from access and benefit-sharing instruments under National Target 12, but it does not provide a quantified national value. ABS-related systems in Palestine are still under development, and further work is needed to establish mechanisms for documenting and monitoring non-monetary benefits from genetic resources and associated traditional knowledge. |          | EN                |

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| 21.1 Indicator on biodiversity information for monitoring the Kunming-Montreal Global Biodiversity Framework                                                                                                                                                                                                      | Headline | GBF-INDICATOR-21.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                             |          |                    |
| No data available                                                                                                                                                                                                                                                                                                 |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                              |          |                    |
| Palestine established the national CHM in 2023 to share biodiversity information, including reports, policies, laws, projects, research, and awareness materials. However, it is still under development and needs regular data updates, institutional data integration, and stronger indicator-based monitoring. |          | EN                 |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments                                                                                                                                                                                                                                                                             | Headline | GBF-INDICATOR-C.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                  |          |                   |
| No data available                                                                                                                                                                                                                                                                                                                                                                                      |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                   |          |                   |
| The 7NR does not provide a quantified national value for C.1 Monetary benefits received from applicable international access and benefit-sharing instruments. ABS mechanisms in Palestine are still under development, and further work is needed to establish legal, administrative and monitoring systems to document monetary benefits from genetic resources and associated traditional knowledge. |          | EN                |

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| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments | Headline | GBF-INDICATOR-C.2 |
| <b>Source of Data</b>                                                                                  |          |                   |
| No data available                                                                                      |          |                   |

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| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                       |    |
| The 7NR identifies C.2 Non-monetary benefits from access and benefit-sharing instruments under National Target 12, but it does not provide a quantified national value. ABS-related systems in Palestine are still under development, and further work is needed to establish mechanisms for documenting and monitoring non-monetary benefits from genetic resources and associated traditional knowledge. | EN |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|
| 21.1 Indicator on biodiversity information for monitoring the Kunming-Montreal Global Biodiversity Framework                                                                                                                                                                                                      | Headline | GBF-INDICATOR-21.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                             |          |                    |
| No data available                                                                                                                                                                                                                                                                                                 |          |                    |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                              |          |                    |
| Palestine established the national CHM in 2023 to share biodiversity information, including reports, policies, laws, projects, research, and awareness materials. However, it is still under development and needs regular data updates, institutional data integration, and stronger indicator-based monitoring. | EN       |                    |

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| D.1 International public funding, including official development assistance for conservation and sustainable use of biodiversity and ecosystems                                                                                                                                                                                                                                                                                                  | Headline | GBF-INDICATOR-D.1 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                   |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                                             |          |                   |
| International public funding for biodiversity in Palestine remains limited and mostly project-based. The 7NR reports that the 6NR recorded USD 16.9 million in 2017, while more recent support includes specific grants such as the CEPF USD 46,443 wetland conservation project. Further work is needed to establish a regular national tracking system for international biodiversity finance, including ODA and other public funding sources. | EN       |                   |

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| D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Headline | GBF-INDICATOR-D.2 |
| <b>Source of Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                   |
| No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |
| No quantified national data are currently available on domestic public funding specifically allocated to biodiversity conservation and sustainable use. The 7NR identifies D.2 Domestic public funding as a headline indicator under National Target 17, but it does not provide a confirmed national value. Palestine’s NBSAP calls for increasing financial and non-financial resources for biodiversity, developing an Environmental Trust Fund, mobilizing local resources, and improving transparency of biodiversity-related budgets and outputs. | EN       |                   |

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| D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems                                                                                                                                    | Headline | GBF-INDICATOR-D.3 |
| <b>Source of Data</b>                                                                                                                                                                                                                                  |          |                   |
| No data available                                                                                                                                                                                                                                      |          |                   |
| <b>Please describe the situation</b>                                                                                                                                                                                                                   |          |                   |
| No quantified data are available on private domestic or international biodiversity funding in Palestine. The 7NR notes the need to mobilize private-sector and local/global resources, but no national tracking system or confirmed value is reported. | EN       |                   |

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| D.1 International public funding, including official development assistance for conservation and sustainable use of biodiversity and ecosystems | Headline | GBF-INDICATOR-D.1 |
| <b>Source of Data</b>                                                                                                                           |          |                   |
| No data available                                                                                                                               |          |                   |
| <b>Please describe the situation</b>                                                                                                            |          |                   |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <p>International public funding for biodiversity in Palestine remains limited and mostly project-based. The 7NR reports that the 6NR recorded USD 16.9 million in 2017, while more recent support includes specific grants such as the CEPF USD 46,443 wetland conservation project. Further work is needed to establish a regular national tracking system for international biodiversity finance, including ODA and other public funding sources.</p> | EN |
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| D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Headline | GBF-INDICATOR-D.2 |
| <div>Source of Data</div> <div>No data available</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                   |
| Please describe the situation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                   |
| <p>No quantified national data are currently available on domestic public funding specifically allocated to biodiversity conservation and sustainable use. The 7NR identifies D.2 Domestic public funding as a headline indicator under National Target 17, but it does not provide a confirmed national value. Palestine’s NBSAP calls for increasing financial and non-financial resources for biodiversity, developing an Environmental Trust Fund, mobilizing local resources, and improving transparency of biodiversity-related budgets and outputs.</p> | EN       |                   |

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| D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems                                                                                                                                           | Headline | GBF-INDICATOR-D.3 |
| <div>Source of Data</div> <div>No data available</div>                                                                                                                                                                                                        |          |                   |
| Please describe the situation                                                                                                                                                                                                                                 |          |                   |
| <p>No quantified data are available on private domestic or international biodiversity funding in Palestine. The 7NR notes the need to mobilize private-sector and local/global resources, but no national tracking system or confirmed value is reported.</p> | EN       |                   |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| C.1 Monetary benefits received in accordance with applicable internationally agreed access and benefit-sharing instruments                                                                                                                                                                                                                                                                                    | Headline | GBF-INDICATOR-C.1 |
| <div>Source of Data</div> <div>No data available</div>                                                                                                                                                                                                                                                                                                                                                        |          |                   |
| Please describe the situation                                                                                                                                                                                                                                                                                                                                                                                 |          |                   |
| <p>The 7NR does not provide a quantified national value for C.1 Monetary benefits received from applicable international access and benefit-sharing instruments. ABS mechanisms in Palestine are still under development, and further work is needed to establish legal, administrative and monitoring systems to document monetary benefits from genetic resources and associated traditional knowledge.</p> | EN       |                   |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| C.2 Non-monetary benefits arising from applicable international access and benefit-sharing instruments                                                                                                                                                                                                                                                                                                            | Headline | GBF-INDICATOR-C.2 |
| <div>Source of Data</div> <div>No data available</div>                                                                                                                                                                                                                                                                                                                                                            |          |                   |
| Please describe the situation                                                                                                                                                                                                                                                                                                                                                                                     |          |                   |
| <p>The 7NR identifies C.2 Non-monetary benefits from access and benefit-sharing instruments under National Target 12, but it does not provide a quantified national value. ABS-related systems in Palestine are still under development, and further work is needed to establish mechanisms for documenting and monitoring non-monetary benefits from genetic resources and associated traditional knowledge.</p> | EN       |                   |

## Further Information

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| <p>Questions about the Online Reporting Tool may be directed to the Secretariat of the Convention on Biological Diversity.</p> | <p><b>Secretariat of the Convention on Biological Diversity</b><br/> 413 rue Saint-Jacques, suite 800<br/> Montreal, Québec, H2Y 1N9<br/> Canada<br/> Fax: +1 514 288-6588<br/> Email: <a href="mailto:secretariat@cbd.int">secretariat@cbd.int</a></p> |
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