

*Please provide the following details on the origin of this report.*

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*Please provide summary information on the process by which this report has been prepared, including information on the types of stakeholders who have been actively involved in its preparation and on material which was used as a basis for the report.*

This report has been prepared by the coordination and collaboration with different departments of the Ministry of Environment and Forestry as follows:

- General Directorate of Natural Protection and Natural Parks (National focal point of CBD)
- General Directorate of Forestry
- Board of Research, Planning and Coordination
- Department of Research and Development (concerning regional research institutes)  
Regional research institutes as follows;
- West Blacksea-Marmara Forestry Research Institute
- Poplar and Rapid Growing Forest Trees Research Institute
- East Mediterranean Forest Research Institute
- Forest Tree, Seeds and Tree Breeding Research Institute
- Aegean Forestry Research Institute
- West Mediterranean Forest Research Institute
- Central Anatolia Forest Research Institute

**VOLUNTARY REPORT ON IMPLEMENTATION OF EXPANDED PROGRAMME OF WORK ON  
FOREST BIODIVERSITY**

**Expanded Programme of Work on Forest Biological Diversity  
Annex to Decision VI/22**

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| 1. Has your country identified priority goals, objectives and activities included in the expanded programme of work for implementation at the national level?  |   |
| a) no (please specify the reasons)   |   |
| b) yes (please provide a list of priorities identified)  | X |
| Further comments on identification of priority goals, objectives and activities  |   |
| <p>Yes, according to the National Biodiversity Strategy and Action Plan of Turkey (NBSAP) and the draft National Forestry Programme have concerned the national priorities, objectives and activities in general. (DKDB)</p> <p><i>The Strategy's goals are:</i></p> <ul style="list-style-type: none"> <li><i>i) conserve biodiversity and use biological resources in a sustainable manner;</i></li> <li><i>ii) improve the understanding of ecosystems and increase resource management;</i></li> <li><i>iii) promote an understanding of the need to conserve biodiversity and use biological resources in a sustainable manner;</i></li> <li><i>iv) maintain or develop incentives and legislation that supports the conservation of biodiversity and the sustainable use of biological resources;</i></li> <li><i>v) work with other countries to conserve biodiversity, use biological resources in a sustainable manner and share equitably the benefits that arise from the utilization of genetic resources</i></li> <li><i>vi) provide implementation of the strategy.</i></li> </ul> |   |

*Strategic Actions at forest ecosystems*

- 1.64 Assess current and proposed major government forest plans, policies and programs to ensure that ecological, economic, social and cultural objectives have been considered;*
- 1.65 Increase our understanding of forest biodiversity by enhancing ecological site classification systems and the inventory and monitoring of commercial and non-commercial species, soil, soil biota, climate and other biophysical characteristics;*
- 1.66 Improve our understanding of forest ecological functions by determining the benefits of ecological services provided by forest ecosystems, monitoring the ecological responses of forests to resource management practices, and by carrying out other activities;*
- 1.67 Eliminate or reduce to acceptable levels, the adverse impacts of forest management practices on watersheds, soils, adjacent ecosystems and species;*
- 1.68 Continue to develop and implement revised forest management practices that provide for the sustainable use of forests while maintaining the regional forest mosaic. Use practices that are as consistent as is practical, with natural disturbance regimes, patterns and processes;*
- 1.69 Provide improved training opportunities forest scientists, managers and operators to increase their understanding of forest ecosystems;*
- 1.70 Use integrated pest management approaches that eliminate or reduce to acceptable levels, adverse impacts on non-target species and ecosystems;*
- 1.71 Inventory and evaluate forest ecosystems and species to ensure the conservation of natural biological control systems, and to identify species for use as bio indicator agents;*
- 1.72 Develop and implement programs to conserve the genetic diversity of tree species in-situ conditions;*
- 1.73 Establish and maintain forest seed and clonal gene banks to conserve the genetic diversity of tree species;*
- 1.74 Allow fire, disease, succession and natural forest regeneration to maintain biodiversity, if and where compatible with forestry and other land use objectives and where natural regeneration can be effective;*
- 1.75 In consultation with national and regional governments, landowners and other stakeholders identify and correct policies that discourage the conservation of biodiversity and the sustainable use of forest biological resources on private lands and common lands;*
- 1.76 If and where practical, restore or rehabilitate degraded forest ecosystems that will make a significant contribution to conserving biodiversity;*

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| <p>1.77 <i>Establish protected areas to conserve representative and critical forest ecosystems as part of an overall network of protected areas in accordance with the strategic actions provided in the section on protected areas in this Strategy;</i></p> <p>1.78 <i>Develop and implement forest management plans and codes of practice to promote the sustainable use of forest ecosystems and the conservation of biodiversity;</i></p> <p>1.79 <i>Support research, management and policies that assess (this italic part has taken from NBSAP)</i></p> |   |
| <p>The draft National Forestry Programme has been developed but the priorities that have been determined by different departments of Ministry of Environment and Forestry will be implemented according to their current needs. (İAOA)</p>  |   |
| <p>2. From the list of priorities, did some or all of them produce the expected impacts after their implementation (i.e. a success)?</p>  |   |
| <p>a) no (please specify the reasons)</p>   |   |
| <p>b) yes (please specify success stories)</p>  | X |
| <p>Further comments on impacts of implementation of priority activities</p>   |   |
| <p>The Draft National Forestry Programme has prepared at a first time and the phase of preparation has not completed.</p> <p>In harmony with the EU regulations national legislation has started to be reviewed</p>   |   |
| <p>3. Were there any challenges/impediments to the implementation of priority activities that could have negatively affected their chance of success?</p>   |   |
| <p>a) yes (please specify the activities and the main challenges/impediments)</p>   | X |
| <p>b) no</p>  |   |
| <p>Further comments on challenges/impediments to implementation of priority activities</p>  |   |
| <p>Coordination and legal problems with related stakeholders</p>  |   |
| <p>4. Is your country collaborating with other Governments and regional and international organizations and processes to implement regional or international activities in the expanded programme of work?</p>  |   |
| <p>a) no</p>  |   |
| <p>b) yes, limited collaboration (please provide details)</p>   | X |
| <p>c) yes, significant collaboration (please provide details)</p>   |   |
| <p>Further comments on collaboration with other Governments and regional and international organizations and processes to implement regional or international activities in the expanded programme of work</p>  |   |
| <p>Turkey is a party of several agreements and conventions and member of the some organizations. There are also some conventions regarding some issues in collaboration with some countries.</p>  |   |

**Programme Element 1: Conservation, Sustainable Use and Benefit-sharing**

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| 5. Has your country developed practical methods, guidelines and/or indicators to apply the ecosystem approach in relation to sustainable forest management?  |   |
| a) no (please specify the reasons)   |   |
| b) relevant methods, guidelines and indicators under development   | X |
| c) some methods, guidelines and indicators developed (please provide details)  |   |
| d) a comprehensive set of methods, guidelines and indicators developed (please provide details)  |   |
| Further comments on the practical methods, guidelines and indicators to apply the ecosystem approach in relation to sustainable forest management  |   |
| The all forestry lands have been operated in accordance with forest management plan, the development of ecosystem management approach is under revision and is going to be integrated to the forest management plans.  |   |
| 6. Has your country taken any measures to prevent the introduction of invasive alien species that threaten ecosystems, and mitigate their negative impacts on forest biodiversity in accordance with international law?  |   |
| a) no  |   |
| b) relevant measures under development   |   |
| c) yes, some measures taken (please outline the measures)  | X |
| d) yes, comprehensive measures taken (please outline the measures)   |   |
| Further comments on the measures taken   |   |
| For this purpose Quarantina regulations has been prepared by Ministry of Agriculture and Rural Affairs General Directorate of Protection and Control that also implements this mechanisms.   |   |
| 7. Has your country taken any measures to mitigate the impact of pollution on forest biodiversity?   |   |
| a) no  |   |
| b) under consideration   |   |
| c) relevant measures under development   |   |
| d) yes, some measures taken (please provide details)   | X |
| e) yes, comprehensive measures taken (please provide details)  |   |
| Further comments on the measures taken to mitigate the impact of pollution on forest biodiversity  |   |
| Refrain from chemicals effecting forest lands but integrated pest management is applied. Air pollution project in broad in scope is implemented by Forestry Research Departments. Related legislations on pollution is existing but there are some problems in the implementation phase. |   |
| 8. Has your country taken any measures to mitigate the negative impacts of climate change on forest biodiversity?  |   |
| a) no  |   |
| b) relevant research and monitoring programmes under development   | X |
| c) some research and monitoring activities being undertaken but no measures taken  |   |
| d) yes, some measures taken (please outline the measures)  |   |

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| e) yes, comprehensive measures taken (please outline the measures)  |   |
| Further comments on the measures taken to mitigate the negative impacts of climate change on forest biodiversity  |   |
| There are some studies regarding adverse effects climate change on biological diversity but some researcher that put into practice make some research and observation on this issue |   |
| 9. Has your country taken any measures to prevent and mitigate the adverse effects of forest fires and fire suppression (where fire is a natural disturbance agent)?                |   |
| a) no   |   |
| b) relevant measures being considered   | X |
| c) relevant measures under development  |   |
| d) yes, some measures undertaken (please specify)   |   |
| e) yes, many measures being undertaken (please specify)   |   |
| Further comments on the measures to prevent and mitigate the adverse effects of forest fires and fire suppression   |   |
| General Directorate of Forestry Department of Combatting Fire and Forest Protection make some observation and implementation regarding with this issue.                             |   |
| 10. Is your country mitigating effects of the loss of natural disturbances necessary to maintain biodiversity in regions where these no longer occur?                               |   |
| a) no   |   |
| b) monitoring and assessment of effects ongoing   | X |
| c) potential measures identified  |   |
| d) yes, some adopted and being implemented (please provide details)   |   |
| e) yes, comprehensive measures adopted and being implemented (please provide further details)   |   |
| Further comments on measures adopted to mitigate effects of the loss of natural disturbances necessary to maintain biodiversity in regions where these no longer occur              |   |
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| 11. Is your country preventing and mitigating losses of forest biodiversity due to fragmentation and conversion to other land uses?   |   |
| a) no   |   |
| b) potential measures identified  |   |
| c) yes, some measures undertaken  | X |
| b) yes, comprehensive measures undertaken   |   |
| 12. Is your country restoring forest biological diversity in degraded secondary forests and in forests established on former forestlands and other landscapes?                      |   |
| a) no   |   |
| b) potential measures identified  |   |
| c) yes, some measures implemented in some areas (please provide details)  | X |
| d) yes, comprehensive measures implemented in major areas (please provide details)  |   |

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| Further comments on the measures to restore forest biological diversity in degraded secondary forests and in forests established on former forestlands and other landscapes  |   |
| For this concept some researches have been carried out.  |   |
| 13. Is your country promoting forest management practices that further the conservation of endemic and threatened species?   |   |
| a) no  |   |
| b) relevant forest management practices under development  |   |
| c) yes, some practices adopted and promoted (please provide details)   | X |
| d) yes, some practices being implemented (please provide details)  |   |
| Further comments on the forest management practices that further the conservation of endemic and threatened species  |   |
| Some medical, aromatic and bulbous plant species' exploitation from the natural habitat have banned, some of the collection from natural habitats and cultural production are under quota. Also the production of oil by using <i>Liquidambar orientalis Mill.</i> has been stopped. |   |
| 14. Is your country ensuring adequate and effective protected forest area networks?  |   |
| a) no  |   |
| b) networks of protected areas being planned   |   |
| c) some protected areas established but networks not in place  | X |
| d) networks of protected areas taking shape  |   |
| e) major networks of protected areas established   |   |
| 15. Is your country promoting sustainable use of forest resources to enhance the conservation of forest biological diversity?  |   |
| a) no  |   |
| b) relevant policy and programme under development   |   |
| c) yes, some policies and programmes in place (please provide details)   | X |
| d) yes, comprehensive policies and programmes in place (please provide details)  |   |
| Further comments on the policies and programmes for promoting sustainable use of forest resources to enhance the conservation of forest biodiversity   |   |
| Multipurpose management planning is applied  |   |
| 16. Is your country preventing losses caused by unsustainable harvesting of timber and non-timber forest resources?  |   |
| a) no  |   |
| b) potential measures identified   |   |
| c) some measures undertaken (please provide details)   | X |
| d) comprehensive measures undertaken (please provide details)  |   |
| Further comments on the measures to prevent losses caused by unsustainable harvesting of timber and non-timbering forest resources   |   |



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| Forest management plan for forest products, utilization plan for non-wood forest products are in practice. The collection of non timber forest resources from forestry lands has banned and/or to be limited. The inspections of illegal collection have been increased. |   |
| 17. Is your country taking any measure to enable indigenous and local communities to develop and implement adaptive community-management systems to conserve and sustainably use forest biological diversity?  |   |
| a) no  |   |
| b) not applicable  |   |
| c) relevant policy and programme under development   | X |
| d) yes, some policies and programmes in place (please specify)   |   |
| Further comments on the policies and programmes to enable indigenous and local communities to develop and implement adaptive community-management systems to conserve and sustainably use forest biological diversity  |   |
| The participation of local people relevant policies and programme are under development.   |   |
| 18. Has your country developed effective and equitable information systems and strategies and promoted implementation of those strategies for <i>in situ</i> and <i>ex situ</i> conservation and sustainable use of forest genetic diversity?                            |   |
| a) no  |   |
| b) relevant information system and strategy under development  |   |
| c) relevant information system in place  |   |
| d) relevant strategies in place (please provide details)   | X |
| e) relevant information system and strategies in place (please provide details)  |   |
| Further comments on the strategies for <i>in situ</i> and <i>ex situ</i> conservation and sustainable use of forest genetic diversity  |   |
| Some projects have been implemented and distributed the results to the related stakeholders by Forestry Research Directorate.  |   |
| Relevant information system and strategy under development for <i>Populus nigra</i> .  |   |
| 19. Is your country promoting the fair and equitable sharing of benefits resulting from the utilization of forest genetic resources and associated traditional knowledge?  |   |
| a) no  |   |
| b) relevant policies and programmes under development  | X |
| c) some policies and programmes in place (please specify)  |   |
| d) comprehensive policies and programmes in place (please specify)   |   |
| Further comments on the policies and programmes for promoting the fair and equitable sharing of benefits resulting from the utilization of forest genetic resources and associated traditional knowledge   |   |
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***If your country wishes to provide additional information on implementation of this programme element, please do this in the following space.***

According to the "National Plan for in-situ Conservation of Plant Genetic Diversity in Turkey" the priorities and strategies are; In situ conservation (wild relatives of cultivated plants are forest trees, land races and transition forms, supplementary programs to in situ conservation (ex situ conservation)

Under the GEF 1 project (as called "In situ Conservation of Plant Genetic Diversity in Turkey") the Bolkar Mountains of Southern Turkey was selected as a pilot area. In this area four forest tree species (*Cedrus libani*, *Pinus brutia*, *Pinus nigra sub sp. pallasiana*, *Abies cilicia*) was selected as target tree species for in situ conservation.

Five areas in the Bolkar Mountains have been designated as a Gene Management Zones (GMZs) for target species. These areas have been selected by considering many factors which may effect directly or indirectly the success of the long term in-situ program such as existing level of genetic variation in target species, level of biological diversity, presence of more than one target species population, sustainability of an area for conservation.

Management plan for these GMZs have been prepared.

***Programme Element 2: Institutional and Socio-economic Enabling Environment***

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| 20. Is your country improving the understanding of the various causes of forest biodiversity losses?                                      |   |
| a) no   |   |
| b) a limited analysis being undertaken  |   |
| c) a thorough analysis being undertaken   | X |
| d) yes, some analyses completed and results available (please outline some findings from these analyses)                                  |   |
| e) yes, comprehensive analysis completed and results available (please provide some findings from these analyses)                         |   |
| Further comments on the analysis of the various causes of forest biodiversity losses  |   |
|   |   |
| 21. Has your country integrated biodiversity conservation and sustainable use into forest and other sector policies and programmes?       |   |
| a) no   |   |
| b) under consideration  | X |
| c) yes, integrated into policies and programmes in some sectors (please provide details)  |   |
| d) yes, integrated into policies and programmes in major sectors (please provide details)   |   |
| Further comments on the integration of biodiversity conservation and sustainable use into forest and other sector policies and programmes |   |

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| <p>Biodiversity conservation and sustainable use will be integrated into forest and other sector policies and programmes through the project, entitled "Biodiversity and Natural Resource Management"</p>  |   |
| <p>However specially to protect wild forms of bulbous flowers, the Committee consists on manager of Ministries, universities and representative of firms have determined quota for collection and export, and in some cases the export of some species have forbidden.</p>   |   |
| <p>22. Has your country developed good governance practices, reviewed and revised and implemented forest and forest-related laws, tenure and planning systems, to provide a sound basis for conservation and sustainable use of forest biodiversity?</p>   |   |
| a) no  |   |
| b) review under way  | X |
| c) review and revision completed   |   |
| d) some good governance practices and related laws developed and implemented (please provide details)  |   |
| e) a comprehensive set of practices and laws developed and implemented (please provide details)  |   |
| <p>Further comments on the practices and laws developed and implemented to provide a sound basis for conservation and sustainable use of forest biodiversity</p>   |   |
| <p>One of the component of the project "Biodiversity and Natural Resource Management" is review legal structure and its rationalization. Review process was completed and the strategy for rationalization of legal structure was just formulated. In this strategy, it is stated that there is need to formulate new nature conservation law which will be harmonized with related law of EU acquis communitarian. Revision process will be completed after this new law come into force.</p> |   |
| <p>23. Is your country promoting forest law enforcement and addressing related trade?</p>  |   |
| a) no  |   |
| b) review under way  |   |
| c) potential measures identified   |   |
| d) yes, some measures in place to strengthen law enforcement and address related trade   |   |
| e) yes, comprehensive measures in place to strengthen law enforcement and address related trade  |   |
| <p>24. Is your country mitigating the economic failures and distortions that lead to decisions that result in loss of forest biodiversity?</p>   |   |
| a) no  |   |
| b) review under way  | X |
| c) potential measures identified   |   |
| d) yes, some measures taken (please provide details)   |   |
| e) yes, comprehensive measures taken (please provide details)  |   |
| <p>Further comments on the measures taken to mitigate economic failures and distortions that lead to decisions that result in loss of forest biodiversity</p>  |   |
| <p>25. Is your country increasing public support and understanding of the value of forest biodiversity and its goods and services at all levels?</p>   |   |
| a) no  |   |

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| b) relevant programme under development  |   |
| c) yes, some programmes in place   | X |
| d) yes, comprehensive programmes in place  |   |
| <p>One of the goals of GEF II Project is "Biodiversity and Natural Resource Management" is to formulate a strategy and action plan for increasing public awareness on biodiversity. Draft Strategy and Action Plan is in place. On the other hand, Regional Public Awareness Programmes in the four selected pilot areas of the project sites have been still undergoing.</p> <p>The other project was implemented by supporting GEF called GEF I project "In situ Conservation of Wild Plant Species" two of the project sites as called Mountains of Kazdağları and Bolkar, wild form of forest target species conserved as in-situ and there were socio-economic analysis reports for each pilot areas. So, by organizing the several meetings with the stakeholders at local level to gain the public awareness and participation through the project aim.</p> |   |

***If your country wishes to provide additional information on implementation of this programme element, please do this in the following space.***

**Programme Element 3: Knowledge, Assessment and Monitoring**

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| 26. Has your country reviewed and adopted a minimum forest classification system, based on harmonized and accepted forest definitions and addressing key forest biodiversity elements?   |   |
| a) no  |   |
| b) review under way  |   |
| c) review completed  |   |
| d) a forest classification system adopted  | X |
| 27. Has your country developed national forest ecosystem classification systems and maps that use agreed international standards and protocols?  |   |
| a) no  |   |
| b) early stages of development   | X |
| c) advanced stages of development  |   |
| d) yes, classification systems in place  |   |
| 28. Has your country developed specific forest ecosystems surveys in priority areas for conservation and sustainable use of forest biodiversity?   |   |
| a) no  |   |
| b) under consideration   |   |
| c) relevant surveys being planned  | X |
| d) relevant surveys completed (please provide details)   |   |
| e) results of relevant surveys available (please provide details)  |   |
| Further comments on the surveys of specific forest ecosystems in priority areas for conservation and sustainable use of forest biodiversity  |   |
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| 29. Is your country advancing the development and implementation of international, regional and national criteria and indicators based on key regional, subregional and national measures within the framework of sustainable forest management? |   |
| a) no  |   |
| b) relevant programme under development  |   |
| c) some criteria and indicators developed (please provide details)   | X |
| d) comprehensive indicators developed (please provide details)   |   |
| Further comments on the development and implementation of criteria and indicators  |   |
| The criteria and indicators have been developed by forestry commission for nearest regional office of Food and Agricultural Organization (FAO) and the necessary information has been gathering yearly   |   |
| 30. Has your country conducted key research programmes on the role of forest biodiversity and ecosystem functioning?   |   |
| a) no  |   |
| b) research programs under development   | X |
| c) yes, some research programs conducted   |   |
| d) yes, comprehensive research programs conducted  |   |

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| 31. Is your country enhancing and improving the technical capacity at the national level to monitor forest biodiversity, benefiting from the opportunities offered through the Clearing House Mechanism of CBD? |   |
| a) no   |   |
| b) capacity building programme under development  | X |
| c) yes, some programmes in place (please provide details)   |   |
| d) yes, comprehensive programmes in place (please provide details)  |   |
| Further comments on the programmes to enhance and improve the technical capacity at the national level to monitor forest biodiversity   |   |
| Biodiversity monitoring system is been established at the Forest Mapping and Photogrametry Directorate of Turkish Service in Framework of Biodiversity and Natural Resource Management Project granted by GEF.  |   |

***If your country wishes to provide additional information on implementation of this programme element, please do this in the following space.***

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