Forests and Forestry in Turkey
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Ministry of Forestry and Water Affairs

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General Directorate of Forestry (GDF)

- Responsible for protection development and management of nearly 75% public forest.
- It has separate and semi-independent status.
- It is quite strong with big institutional, technical, personnel and financial source (Rolling capital budget + special bud.) capacity.

Gen. Directorate of Nature Protection and National Parks is responsible for planning, arranging and improving national parks, natural parks, natural monuments, protected wildlife reserves and recreation spots.

Gen. Dir. of Combating Desertification and Erosion is responsible for creating and monitoring plans and projects of combating desertification and erosion.
Major Operational Units of the Ministry

- General Directorate of **State Hydraulic Works**
- General Directorate of **Meteorology**
- General Directorate of **Water Management**
Institutional Structure of GDF

**Director General**

**Deputy General Directors (5)**

**Central Organization**
- Main Units
  - Department of Combating Forest Pest
  - Department of Forest Fire Combating
  - Department of Forest Cadastre and Ownership
  - Forest Management & Planning
  - Forest Harvesting and Marketing Department
  - Department of Silviculture
  - Department of Afforestation
  - Dep. of Soil Conservation and Watershed Rehabilitation
  - Department of Nursery and Seed

- Advisory & Inspection Units
  - Department of Inspection
  - Internal Auditing Unit
  - Legal Consultancy
  - Strategy Development Department

- Supporting Units
  - Dep. of Personel Department
  - Dep. of Administrative and Financial Affairs
  - Dep. of Foreign Relations, Training and Research
  - Dep. of Information Systems

- Regional Directorates (27)
  - Forest District Directorates
  - Forest Sub-district Directorates
  - Other sub-districts

- Forest Research Institutes
  - Forest Nursery Directorates
  - Chief Engineerings

**Provincial Organization**

**Regional Directorates** (27)
- Forest District Directorates
- Forest Sub-district Directorates
- Other sub-districts

**Supporting Units**
- Dep. of Personel Department
- Dep. of Administrative and Financial Affairs
- Dep. of Foreign Relations, Training and Research
- Dep. of Information Systems

**Forest Research Institutes**
- Forest Nursery Directorates
- Chief Engineerings
Provincial Organization Structure of the GDF

- 12 Forest Research Institutes
- 27 Regional Directorates
- 218 Forest District Directorates
- 1361 Forest Sub-district units
- 139 other Sub-district units
1. Turkish **national forestry programme 2004-2023**

2. General Directorate of Forestry **Strategic Plan, 2013-2017**

3. Development plans (5- year)- specialized forestry commission report,

4. Council decisions
Forest area is 21.7 million hectares, which constitutes 27% of the overall land area.

99% of forests is state owned, the majority is managed by GDF.

61% of the forests is coniferous and 39% is non-coniferous tree species.

Land Area: 78 million hectares and Population: 77 million.

Turkey is a land bridge between Europe and Asia.
Forest Cover in Turkey

Non-coniferous tree species located mostly north and north-west part of country
State of Forest in Turkey, 1972-2012

Forest Area (million ha)

- 1972: 20.2
- 1997: 20.8
- 2004: 21.2
- 2012: 21.7

Increase of forest in last 40 years: Area: 7.4%, growing stock: 60%, Increment: 50%
Share of coppice and high forests

Total:
area: **21,7** mil. hectare
Standing volume: **1,5** bill. m³
Annual increment: **42,2** mil. m³
Distributions of tree species

**FELLING m³**

- Turkis pine (P brutia): 32%
- Other pine (Scots pine and Crimaen pine): 30%
- Fir-spruce: 11%
- Other coniferous: 2%
- Beech (Fagus orientalis): 15%
- Oak (Quercus): 8%
- Other non-con: 3%

**Total con.: 74%**

**AREA**

- Turkis pine (P brutia): 27%
- Crimaen Pine: 22%
- Scots pine: 3%
- Fir-spruce: 5%
- Beech (Fagus orientalis): 9%
- Other coniferous: 4%
- Other non-con: 6%
- Oak (Quercus): 24%

**Total con.: 61%**
Annual increment, felling and wood production

- 9.6 mil. ha allocated for wood production out of 21.7 million ha public forest
- Annual increment is quite higher than felling
- There is quite big potential for additional felling
Industrial wood production doubled in last decade

- Strong demand by panel industry
- Satisfying price
- Policy priority of GDF

Ambitious strategic plan targets (20 mil m$^3$ ind. wood and 5,8 mil m$^3$ fuel wood production in 2017)
Certification

➢ Total certificated forest area is 2.4 million hectare

➢ Felling from certificated forest is 3.5 million m³, equal to 18.5% of total felling

➢ All certifications by FSC

➢ National certification scheme (PEFC) is being developed
12 million hectare forest area which is %60 of Turkey’s forest area is located in the Mediterranean region which are very vulnerable to fires.
Combating Forest Fires

3 basic strategy of GDF in combating forest fires:

- **Prevention**
  - To prevent a fire outbreak (Education and awareness raising)

- **Extinguishing**
  - Early warning, rapid and effective intervention

- **Rehabilitation**
  - Rapid reforestation of burnt areas
### PROTECTED AREAS, Jen.2014

<table>
<thead>
<tr>
<th>PROTECTED AREAS UNDER THE MINISTRY OF FOREST AND WATER AFFAIRS</th>
<th>NUMBER</th>
<th>AREAS (he)</th>
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<td>Natural Parks</td>
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<td>Natural Protected Areas</td>
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<td>Natural Monuments</td>
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<td>Wild Life Development Areas</td>
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<td>Wet Lands</td>
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<td>Conservation Forests</td>
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<td>Honey Production Forests</td>
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<td>Urban Forest</td>
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<td>Gene Conservation Forests</td>
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<td>Seed Stands (in-situ)</td>
<td>351</td>
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<td>Seed Orchard (in-situ)</td>
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<td>1413,75</td>
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<td><strong>GENERAL TOTAL</strong></td>
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<td><strong>5.373.162</strong></td>
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<th>PROTECTED AREAS UNDER THE MINISTRY OF ENVIRONMENT AND URBANIZATION</th>
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<td>Special Environmental Protection (SEPA) Areas</td>
<td>16</td>
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<td>Natural Sites</td>
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<td><strong>GENERAL TOTAL</strong></td>
<td><strong>3049</strong></td>
<td><strong>7.883.551</strong></td>
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Map of protected areas
Thematic topics

1. Forestry in green economy: *Economic aspect*; Valuation of wood and non-wood forest products and services, *Social aspects*: Employment, creation of income, supports to forest dependent people, *Environmental aspect*: Protection and improvement biodiversity, water recourse etc..

2. Improvement of sustainable forest management; *certification*, *management plan*, specially attention to broadleaved forest

3. Protected areas and hunting game

4. Climate Change and Forestry: *mitigation measures, inventory, calculation, reporting* etc.

5. Combating against forest fire, pest and diseases and illegal harvesting and related trade
Conclusion and prospects of

THANK YOU FOR YOUR ATTENTIONS

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