

FORESTRY AND WATER AFFAIRS MINESTRY



Forestry Policies and Practices in Turkey

FORESTRY AND WATER AFFAIRS MINISTRY GENERAL DIRECTORATE OF FORESTRY

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GENERAL INFORMATION



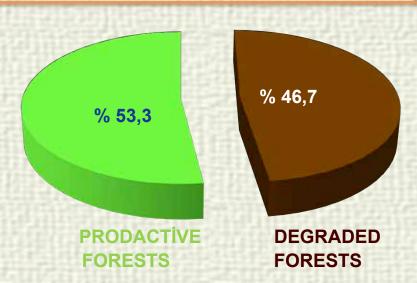
e altitute : 1.132 meter

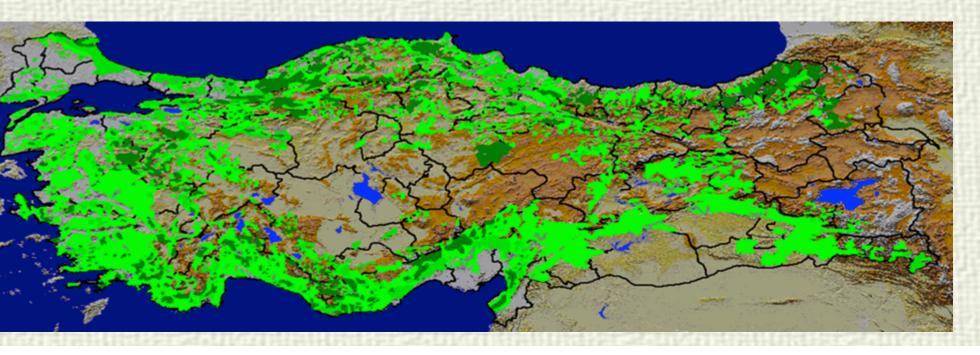
area : 21,7 million hectares (%27,6)

g stock : 1,5 billion m³

l increment : 42,2 million m³

ship status: % 99,9 belongs to government







GENERAL INFORMATION



LEGAL AND INSTITUTIONAL FRAMEWORK

Constitution: forests are under the constitutional conservation.

Forest Law: protection, development and utilization are regulated by law.

International agreements and commitments: agreements and commitments signed by Turkey are integrated into forestry legislation.

Ministry: Responsible for determining forestry policies and implementation of strategies.



GENERAL INFORMATION



Turkey's Forestry and Water Affairs Minestry Organisation

- > General Directorate of Nature Conservation and National Parks
- > General Directorate of Combating Desertification and Soil Erosion
- > General Directorate of Water Management
- > Other central units

Ministry of connected units

- General Directorate of State Hydraulic Works
- > Turkish State Meteorological Service
- > Turkey Water Institute
- General Directorate of Forestry



General Policy Tools in Turkey



neral Policy Tools

Constitution, laws, secondary legislation, International agreements and commitments

Development Plans (5 years)

Medium Term Financial Plan and programe (3 years)

Government Program

Annual Investment Programs (1 year)

National Strategy Documents and Plans / Programs

Regional Strategy Papers and Plans

lustry / Corporate Policy Tools

Sectoral Analysis (According to various needs) nstitutional Strategic Plans (5 years)



Forest Policy and Practices in Turkey



- **❖ DEVELOPMENT PLANS (1963-2018)**
- 10 th Development Plan in implementation
- FORESTRY MASTER PLAN (1990-2009)
- **❖ NATIONAL FORESTRY PROGRAMME (2004-2023)**
- ❖ 1st STRATEGICAL PLAN (2010-2014)
- ❖ 2 nd STRATEGICAL PLAN(2013-2017)





Forest Policy and Practices in Turkey



th DEVELOPMENT PLAN (2014-2018)

The plan aims; high, stable and inclusive economic growth in additional to environmental protection and sustainability of the sources.

Effectively implement of the strategy and action plan which are prepared the fight against desertification and drought in Turkey.

Enabling the fight against erosion, prevention of the pollution.

Determination of biodiversity also conservation, sustainable use, development and monitoring.



Forest Policy and Practices in Turkey



NATIONAL FORESTRY PROGRAMME OF TURKEY (2004-2023)

National Forestry Policies in Programme

Sustainability

Protection of Biodiversity

Multifunctional Management/Utilization

Participation

Fairly Sharing of Benefits

Transparency

Global Responsibility



POWER AND RESPONSIBILITIES OF GDF



Directorate of Forestry (GDF) is a legal entity with special budget responsible of the protecting, and managing Turkey's basic resources to provide multiple to the society.

s been served as a " connected to various ministries, finally in as connected to Ministry of Forest er Affairs.





ORGANIZATION AND MISSION OF GDF



is a well-established institution with ears of history that was established in

its service side, it is a special budgeted which founded on base of local jement and has legal entity.

s taken its current final shape by the o. 3234 Published in 1985. it has the ving Fund Budget experience since

Mission is "to protect forests and forest rces against all kind of threats, to p them in harmony with the nature, to ge them in ecosystem integrity and ing multifunctions to the society





ORGANIZATIONAL STRUCTURE



entral organization consist of:

Main Service Units

Auxiliary Service Units and

Advisory and Inspection Units.

the center, there are 18 departments, and total of 118 branch offices.

ural organization

27 Regional Directorates of Forestry

12 Research Institute Directorates

hile a total of 470 branch offices in the center of Regional Directorates, there are:

243 forest district directorates,

1.359 forest sub-districts chieftaiships

156 other sub-districts

28 nursery directorates,

4 other directorates

292 head engineering units.

nked to the Regional Directorates. In addition to this, there are 86 head engineering unit hich connected to research institution directorates.

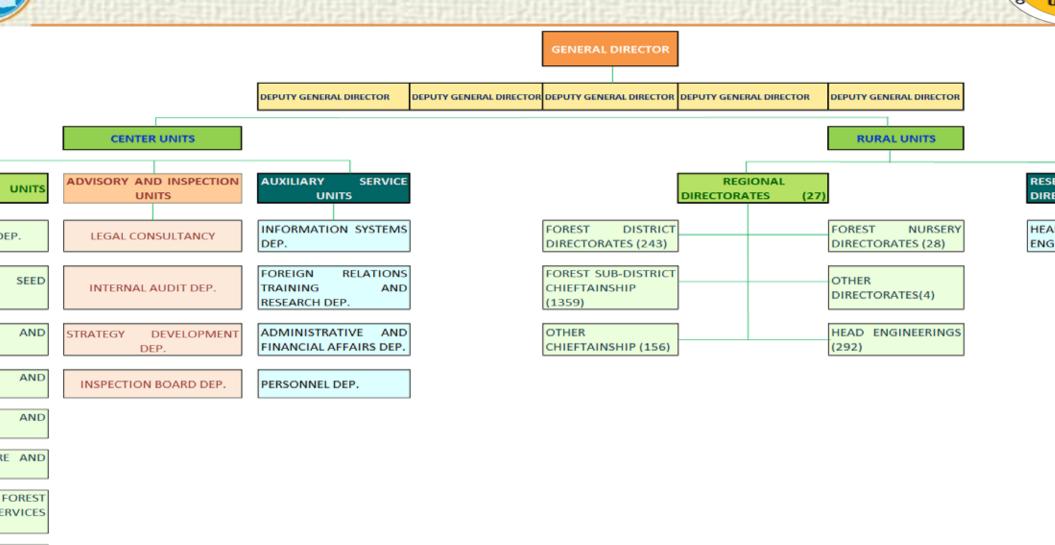
SEMENT

RURAL

WITH

ORGANIZATIONAL STRUCTURE







REORGANIZATION



I and rural organizations of GDF have been re-arrenged by Decree Law Numbered 64 zation and Duties of the Forestry and Water Affairs Ministry which issued on the officia July 4, 2011 and numbered 27984

tments which established in the framework of reorganization;

- Nood Forest Products and Services Department, nbating with Forest Pets Department,
- nbating with Forest Fires Department,
- inbatting with Forest Fires Department,
- eign Relations, Training and Research Department,
- rmation Systems Department,
- mission And Easement Department,

Processing Department and Forest Map and Remote Sensing Department were closed units have been transferred to the Information Systems Department new established; While Çanakkale and Sinop Forest Regional Directorates were closed, Kayseri and Regional Directorates were established, totaly 28 forest district directorate were established forest district directorate were closed.



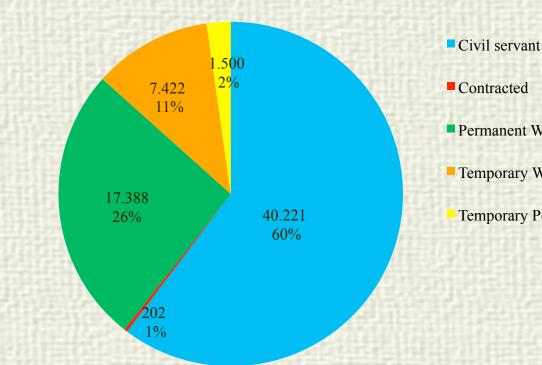
HUMAN RESOURCES



	Special Budget		Rolling Capital		Total		
	Center	Rural	Center	Rural	Center	Rural	тот
	Full	Full	Full	Full	Full	Full	
	733	14.349	228	2.826	961	17.175	
			43	159	43	159	
rkers		10.028		4.723		14.751	
rkers		2.689		4.733		7.422	
sonnel.				496		496	
TOTAL							

umber of total employed personnel in enter and rural units of GDF is 3.

of the employees works in the officer, while the remaining 40% works as cted staff, permanent and temporary rand temporary personnel





MAIN ACTIVITIES OF GDF



al Directorate of Forestry has six basic activity and service areas.

are;

velopment of Forests,
ization from forests,
missions to areas accepted as forests,
est management-map and photogrammetry services,
velopment services of forest roads and infrastructure of them.

ECTION OF FORESTS:

Illy the protection of forests includes protection activities of forests against:

est fires

est pests, tree diseases and disorders

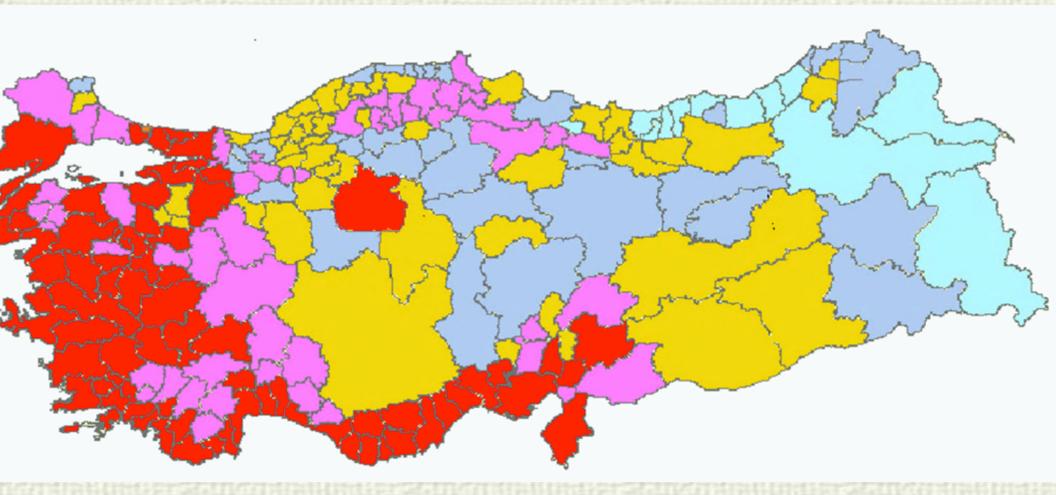
ual interventions



PROTECTION AGAINST FOREST FIRES

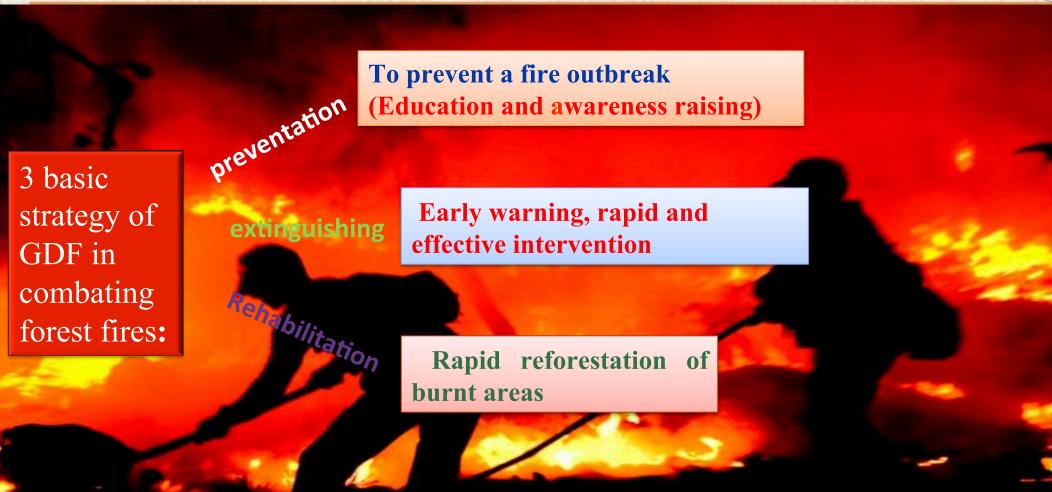


lion hectare forest area which is %60 of Turkey's forest area is located ranean region which are very vulnerable to fires.



COMBATING FOREST FIRES







er

FIRE GROUND TEAMS



extinguishing truck tintervention vehicle er tank dozer, der





Organized fire teams in the high fire risk areas manner that they could interfere with the fire at least within 15 minutes.



Fire professionals who can trainment in the internat level will be trained in the la and very modern Fire Tra Center in Antalya.





FIRE AIR TEAMS



rafts including 6 GDF's administration_helicopters, 21 the water throws helicopter, 14 Droma airplane, 6 to CL-215 amphibious aircraft, works for GDF's air team.





COMBATING WITH PESTS



gical struggle against pests still continues in 61 laboratories ne production annually of: thousand predatory insect housand bird slot are hanged ant transportations are made.

On Calasoma sycophanta predators producing in the 35 story in a year are given to forests which are damaged.

this framework, biological struggle has been done with pests











in 108.500 hectares forest areas for last 5 years.

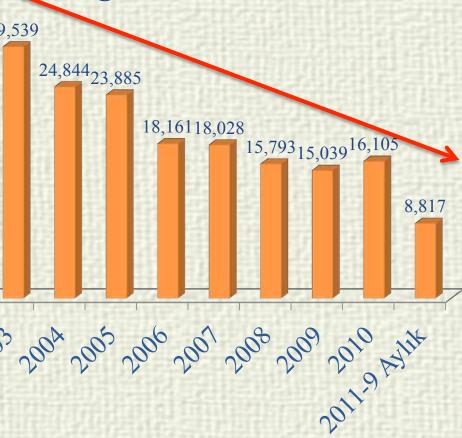


umber of laboratory which produce predatory insects reached

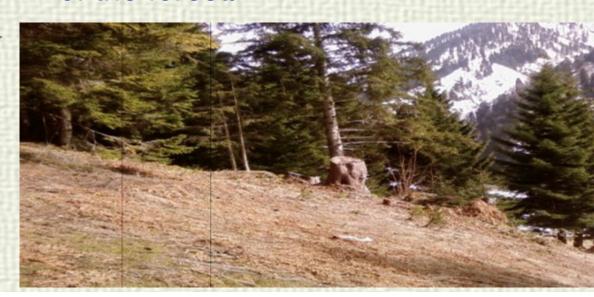
COMBATING FOREST CRIMES



Changes in forest crimes



- Forest crimes which declining Since continued to decline markedly in years.
- ➤It is thought to be effective in reduction forest crimes that improvement in the people relations, the fight against cutting and awareness about the improvement.



DEVELOPMENT OF FORESTS



ations intended for rehabilitation of juniper forests which g in the 1,1 million hectares and 92% of the degraded qualities en ongoing.

rting studies of the coppice forests to high forests have been

seeds have been planted in the totaly 240.675 ha. potential eas.

00 ha degraded oak forests have been rehabilited for 10 years.

000 ha forest areas have been rehabilited for 10 years.

med to create income for people who live in rural areas by

ing 30.000 ha locust (Ceratonia siliqua) forests in 10 years.

forests were established to 5000 villages in the last 5 years.

simately 2,3 million hectares area have been rehabilited in the

of Afforestation Mobilization







PROTECTION OF FORESTS BORDERS



key cadastre of forests are made by GDF. works related to cadastre:

determination of the borders of forests with the els which adjacent to the forest,

ucing data-based forest cadastral maps based country's system using the satellite image photograph and available maps.

ting the needs of digital maps and data of OGM other institutions.







al area of 393 private forests is 179.875.007 m² across Turkey. forests constitute 0,1% of the forests in Turkey. forests:

f them owned by public institutions with Legal personality.

2 314 of them belong to the public and the legal persons of the private forests



PROTECTION OF BIODIVERSITY



18 ecosystem -based forest functional sample plans that all diversity integrated into have been prepared by the ent of Administration and Planning. Some examples are clow:

da Ikdere i

çam ve Uğurlu (Ardahan) ıgökdere (Isparta) eli ve Altıparmak (Artvin)

on Integration of Biodiversity in Forest Management g Plans" preparations have been ongoing.









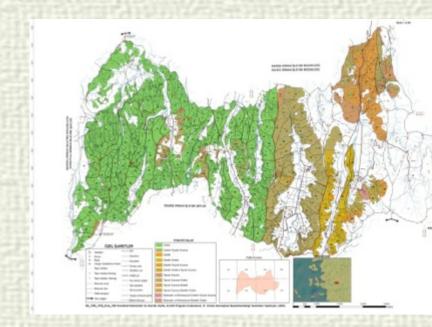
FOREST MANAGEMENT PLANNING



the management plans, making them made, renewal of them, control of the implement ans, monitoring the developments in management and preparation of inventory data require are among the important activities of General Directorate of Forestry.

s Provided in This Regard

mining the forest functions, mining objectives of the management of forests, ring the inventory tables for functional planning, gement of functional utilization, cation of implementation and audit services, ring and updating national forest inventory, oring works of forest ecosystems.





MONITORING OF FOREST ECOSYSTEMS



I was established in the 818 permanent observation areas using a km² systematic grid network in the forest fields of Turkey. tion activities were executed in the 602 permanent observation onitoring of the tree health has been carried out for 5 years. year, crown condition assessment have been carried out in the nately 800 units of permanent observation areas.











MONITORING OF FOREST ECOSYSTEMS



Ш

in the period 2012 -2013:

needle-leaf chemistry, soil, biodiversity issues have been g; and obtained data is stored in the database after ing in the laboratory.

the context of the Monitoring of Forest Ecosystems nme, to analyze samples, a laboratory in international ds has been constructed in the Aegean Forestry Research e, Izmir-Urla.









INDUSTRIAL AND FUEL WOOD UTILIZATION



ntity available volume for production, all allowable cut is totaly 16,2 million

of which about 11,9 million m³ is ers and the remaining 4,3 million m³ ist of broadleaves.

n m³

ial fire wood production of GDF is

UTION OF USERS	MILLION m ³		
n Industry	5		
ry	1,8		
/ood	0,8		
Industry	4,7		
里尼比此首語	0,6		
ol	0,075		
d	0,024		
20.411.1111.12991.2001.991.40	WAS A LEGISLA BERLANDER RECORDER OF THE PERSON OF THE PERS		





PRODUCTION VEHICLES



HICLE	QUA.
ACTOR	109
ER AND LOADER	48
LE	28
OR	13
T MOUNTED TRACTOR	6
OR	58
T MOUNTED TRACTOR	2
	58
NG MACHINE	2
₹	2
IPMENT	5
ACHINE	1
	344













PROTECTION VEHICLES



TYPE OF VEHICLE	OUANT.
BULLDOZER	184
GRADER	156
LOADER	28
TRAILER	72
FIRE EXTINGUISH TRUCK	956
FIRST INTERVENTION VEHICLE	467
HEAVY-DUTY TRUCKS	3
EXCAVATOR	17
MOTORCYCLE	850
TANKER	7
WATER SUPPLY VEHICLE	282















SEED PRODUCTION



ds used in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seed stands which they compared in the production of seedlings are provided from seedlings.

the country;

e are, 1.189 hectares of 172 seed orchards, of 10 tree species

e are 46.390 hectares of 347 seed stands of 24 tree species









PRODUCTION OF SEEDLINGS



rkey, the first mass production of seedlings has started in 1925.

uction of seedlings are made in the 126 forest nurseries which are established on 3.20 th 498 million pcs/year capacity.

different types seedlings are produced in our nurseries.





on seedling production

Bareroot seedling production

Tubed seedlings production



NON WOOD FOREST PRODUCTS AND SERVICES



do and have some works done of non wood products, forest ecosystem services and biodiversity as below:

entory,

lation,

oducing,

nning,

pping,

ect,

duction,

vering,

cking and marketing





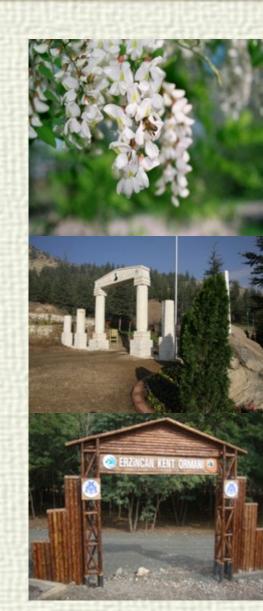


ESTABLISHING HONEY FORESTS



eepers are supported by properly beekeeping activities like station with species as robinia willow, maple, almond and ora, further more grown herbaceous and bushy plants which apportant for honey productivity such as thistle, trefoil, Paliurus eatus in the forest areas.

result of intensive efforts of Forest Regional Directorates:
3 honey forests were established until this day.
4 ere are total 1.293 recreation spots of GDF
5 thin the context of establishing urban forests works that 6 in 2003, in the 72 province and 29 districts total 101 units 6 forests have been established up to now.





FOREIGN RELATIONS



nteral and multilateral relations were developed many countries especially neighboring countries on ent topics related to the forestry issues.



ting programs have been organized and realized elegations came to our country from many foreign tries and GDF's delegations who gone to abroad in eration with the forestry organization of related tries.





BILATERAL REGIONAL RELATIONS



sh Republic of Northearn Cyprus – Combating forest fires, forest pests est diseases

gia – Combating forest fires and pests–collaboration with TİKA (Turkish ation And Coordination Agency)

Republic of Macedonia-Combating forest fires

- Combating forest fires, making forest management plans ation with FAO

yzstan- Combating forest pests

plic of Uzbekistan- Rehabilitation of forests

ce- Combating forest fires

paijan- making forest management plans

ia Herzegovina – Combating forest fires, establishing urban forest

ria, Finland, Estonia, France, Great Britain- Establishing Wood Energy

Network







INTERNATIONAL ORGANIZATIONS



Party on the Management of the Mountain Watersheds were with overall theme "Water for Forests, Forests for Water" on 5th September 2011 in Kastamonu, Turkey by General ate of Forestry and FAO.

onal Training Workshop on Forest Genetic Resources in Asia and Eastern Europe was hold in Directorate of Izmit Culvitation Institute on 19-22nd of September 2011 with FAO.

meeting of 69th Session of UNECE Timber Committee and ropean Forestry Commission of FAO were hold in Antalya, with all theme "Forests 2011: Forests in a Green Economy".









RELATION WITH INTERNATIONAL ORGANIZATIONS



nal processes are being followed:

I Nations Forum on Forest (UNFF), erial Conference on the Protection of Forests in Europe (Forest Europe), e and North Asia Forest Law Enforcement and Governance (ENA-FLEG), I Nations Framework Convention on Climate Change (UNFCCC), I Nations Convention on Biological Diversity (UNCBD), lediterranean Model Forest Network

ons have been ongoing with organizations that support international forestry processes su

United Nations Food and Agriculture Organization),
Forestry Committe (COFO),
Vorld Forestry Congress (WFC),
Mediterranean Forestry Questions Programme (Silva Med)

Nations Economic Commission for Europe (UNECE)

Bank and Organisation for Economic Co-operation and Development (OECD)



THANK YOU FOR YOUR ATTENTION

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Natural Capital Accounting Regional Workshop for Europe and Central Asia (ECA)

March 9-11, 2015, Pera Palace Hotel, Istanbul