

## NBSAP - TURKEY 2008-2018





Diverse phytogeography → Continental Property → High Endemism Ratio: 4000 plants; 37 mammals; 70 fish; 4000 invertebrates

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Section of Biodiversity and Genetic Resources

General Directory of Nature Conservation and National Parks

Ministry of Environment and Forestry

#### **INDEX**



#### MAIN FEATURES

- GOALS
- OBJECTIVES





WHAT CHANGED IN THIS REVISED VERSION



STATUS OF IMPLEMENTATION, INTEGRATION TO OTHER POLICIES, EDUCATION AND CHM

We have 500 wetlands which bird love very much



#### Goals of our NBSAP

We have 10 goals

Goals



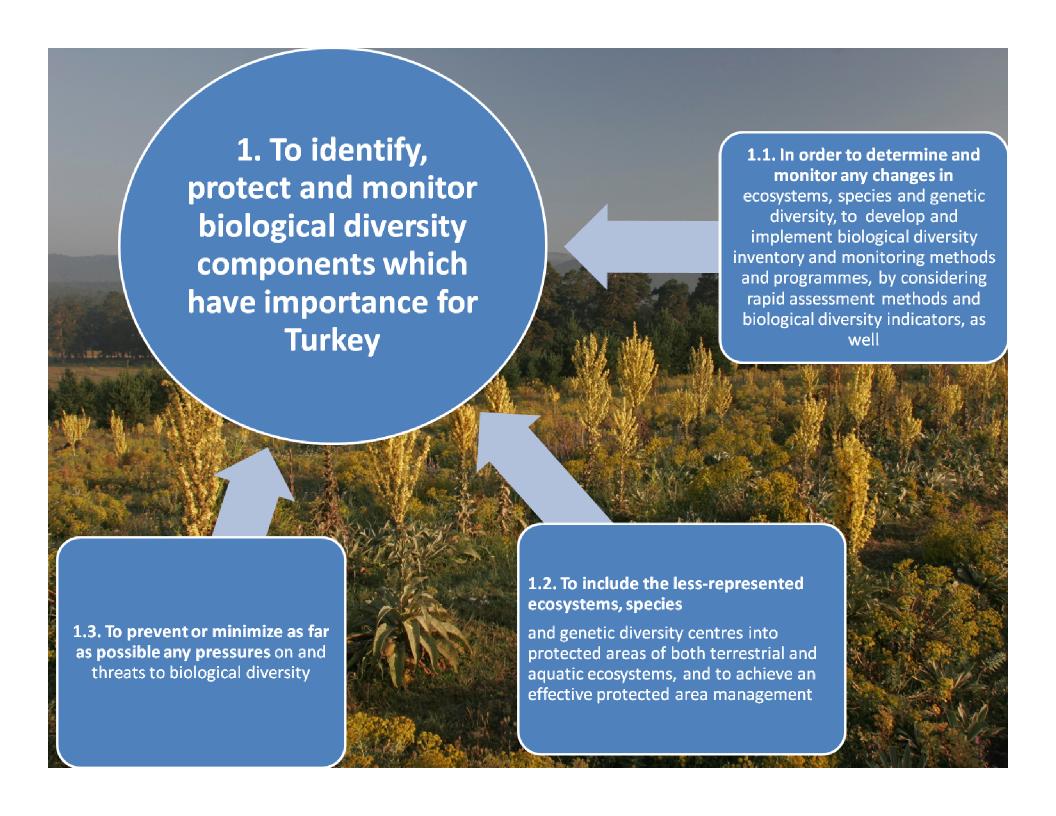
Objectives

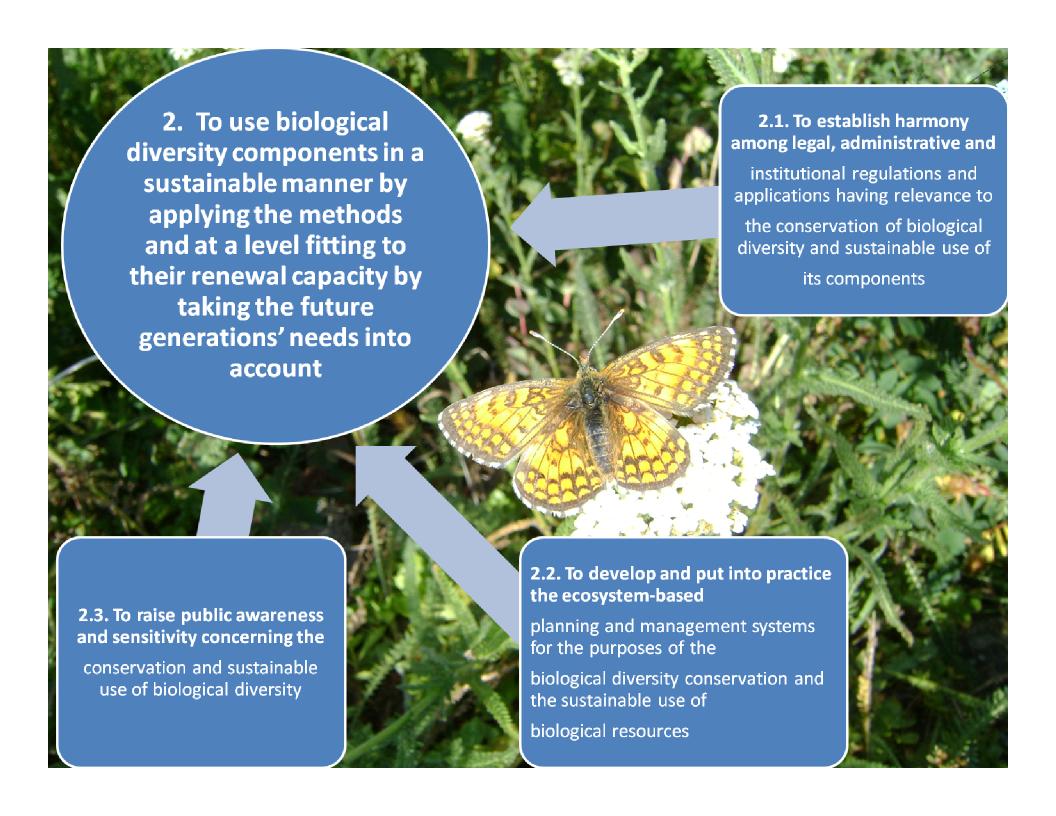


Actions

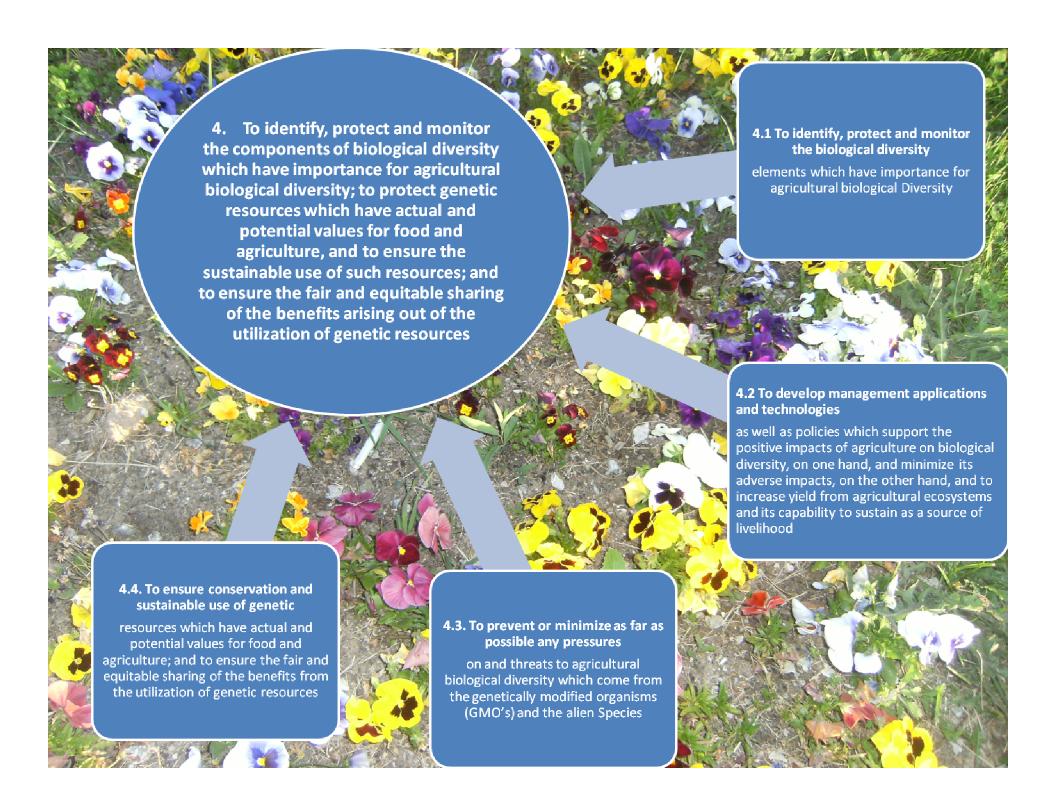


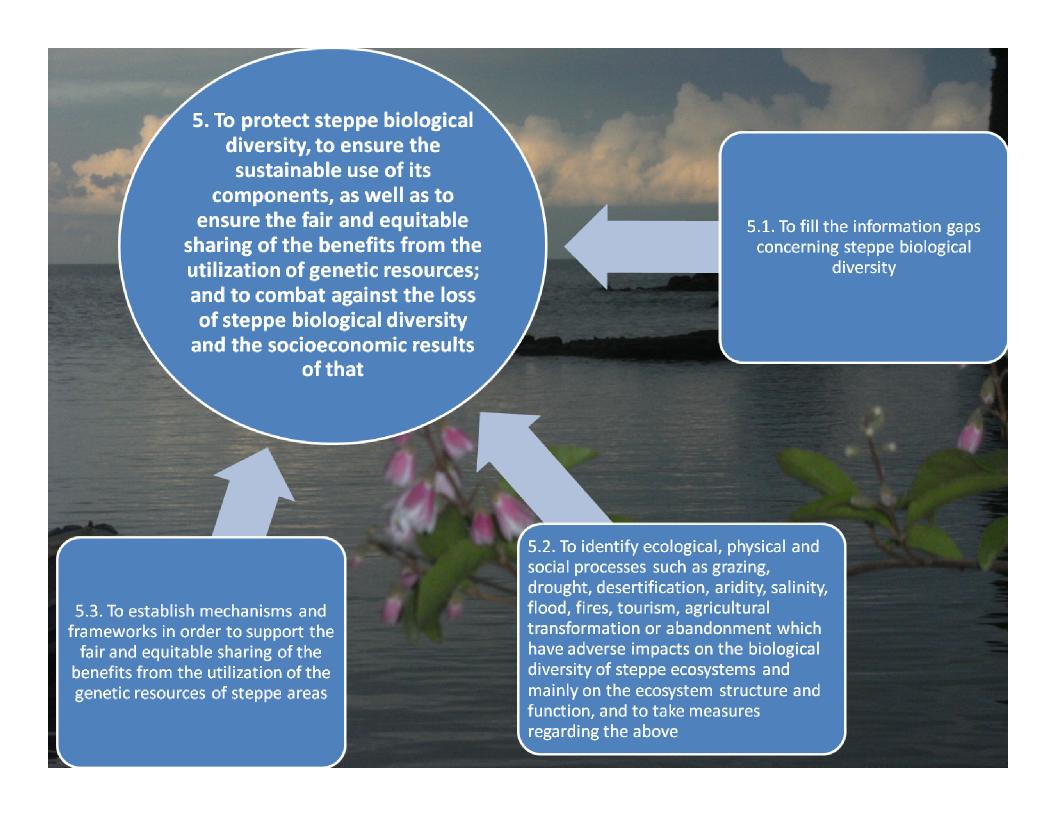


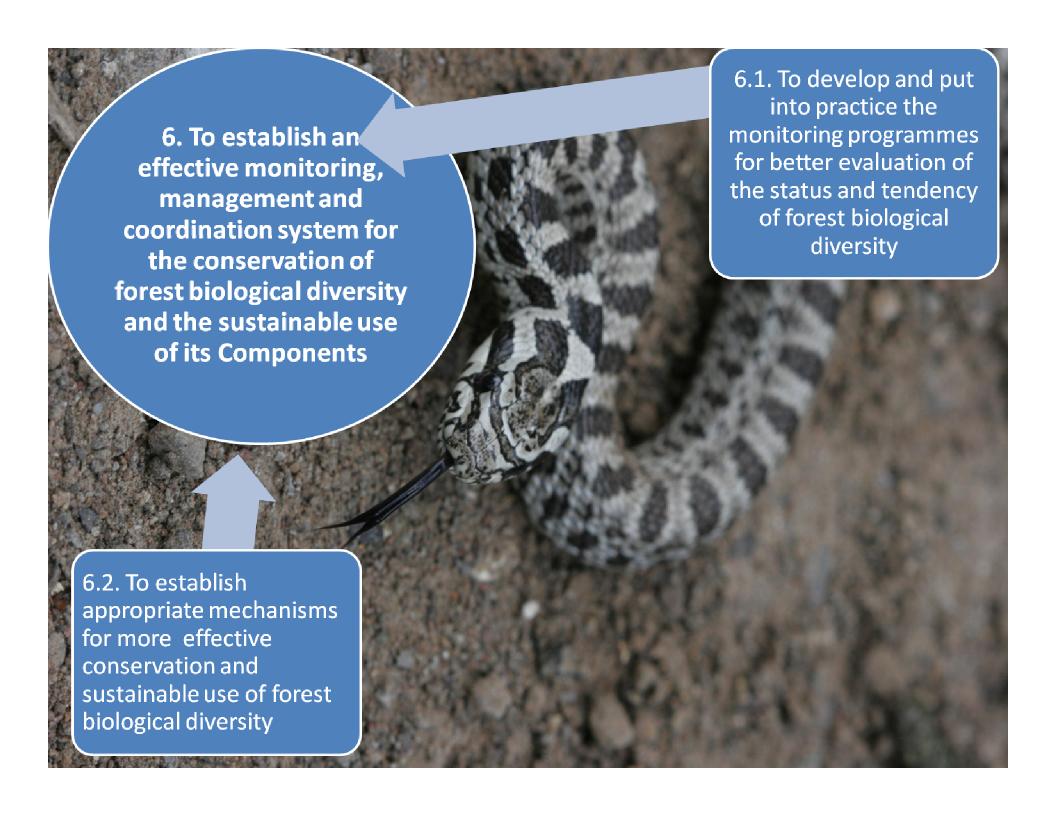


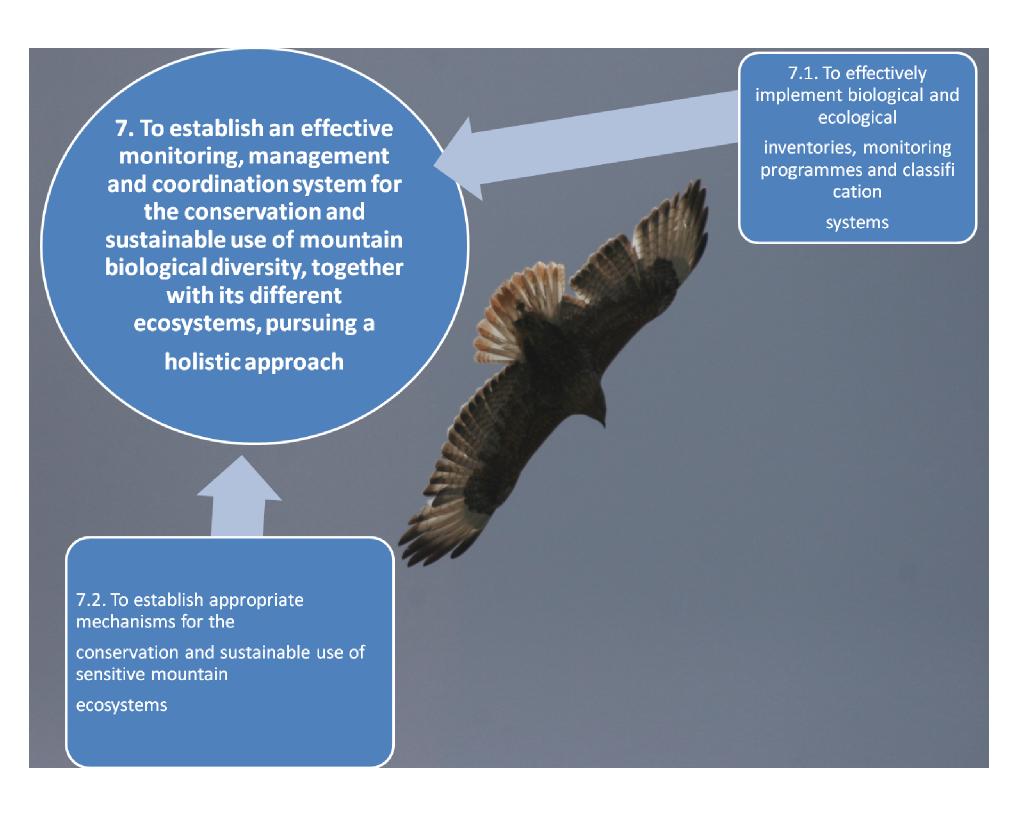


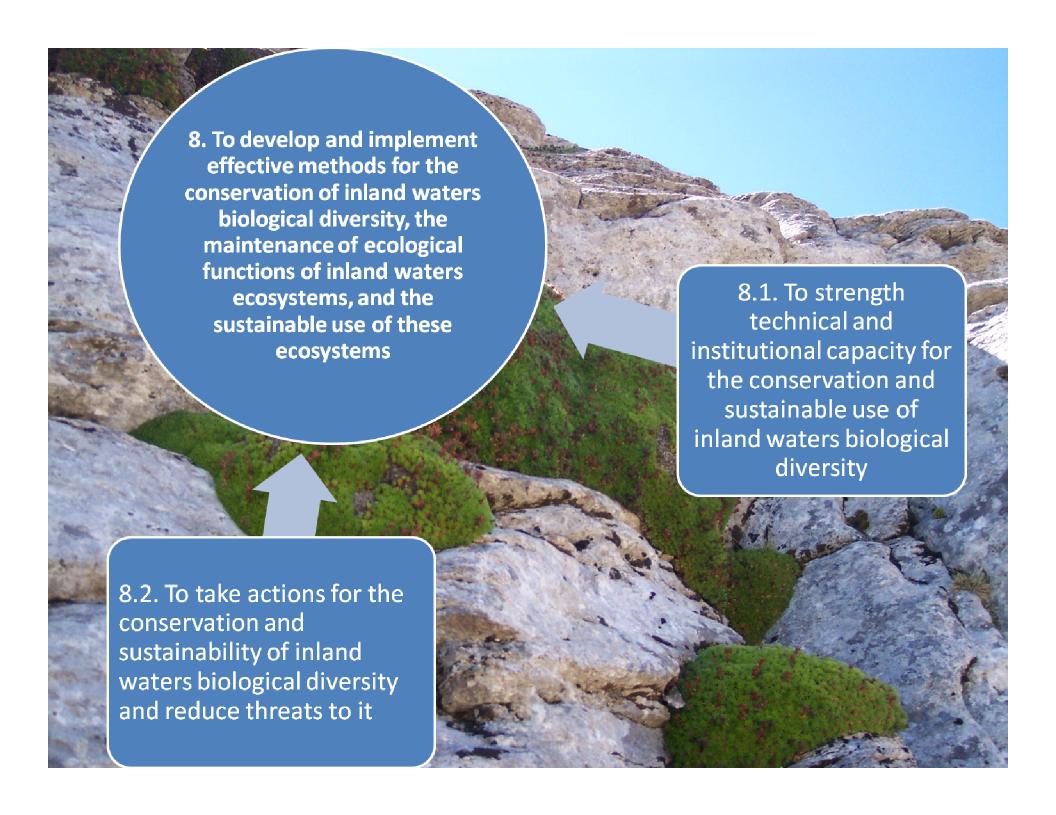


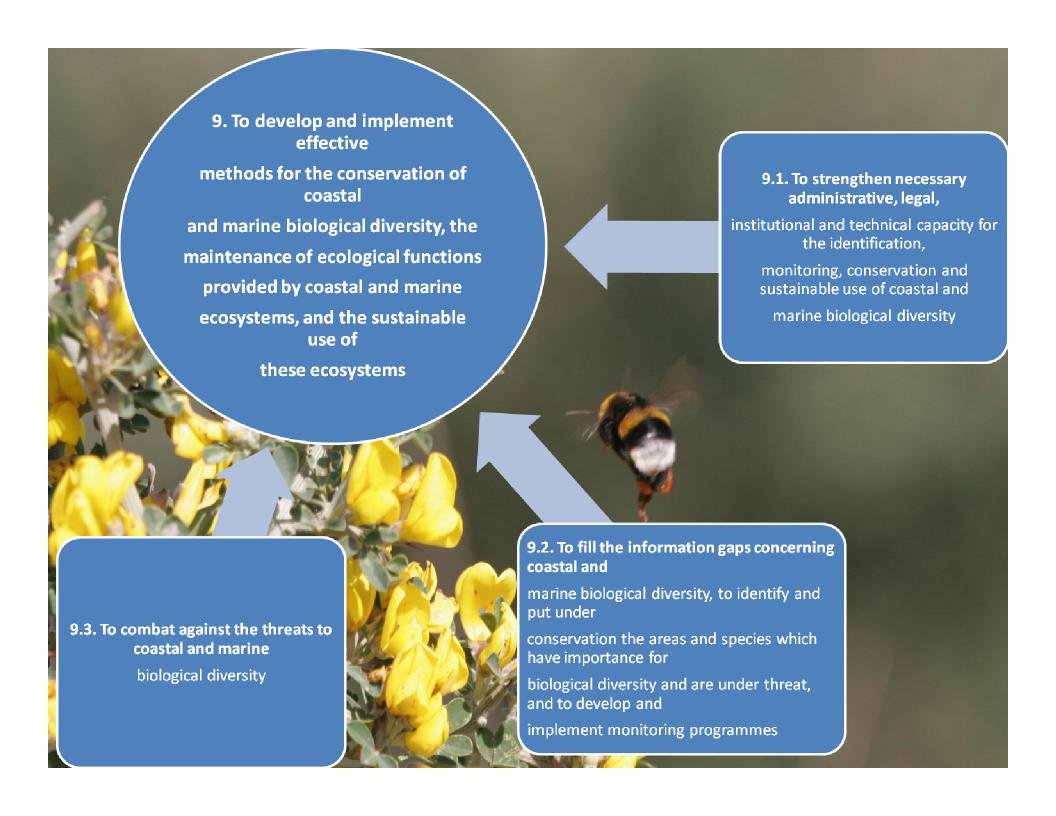


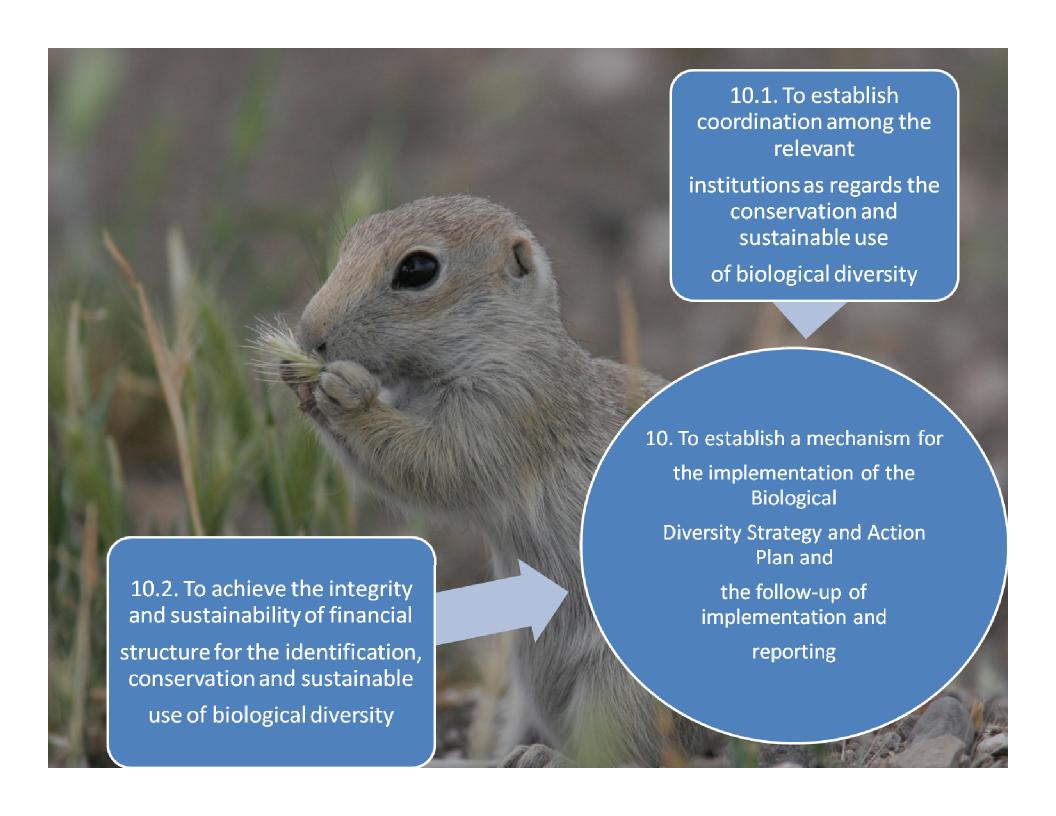




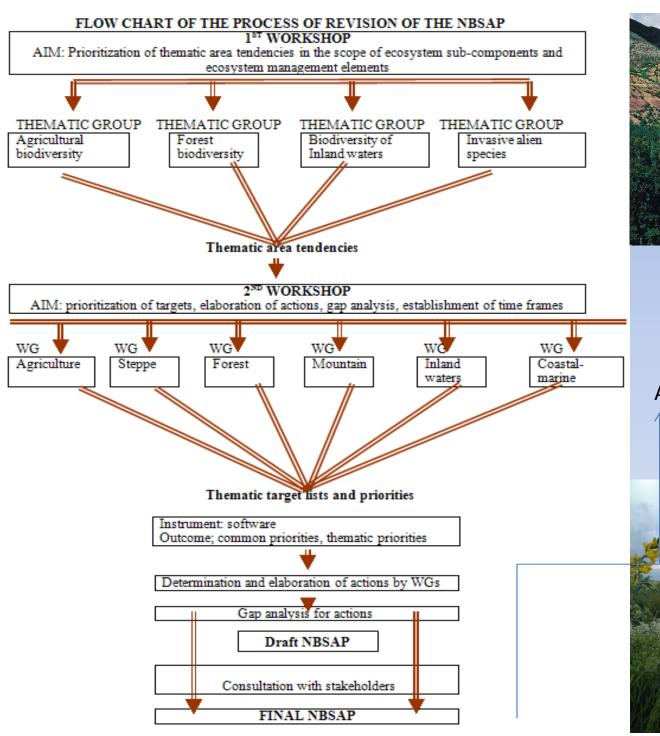


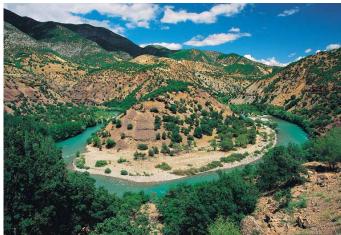












#### Approved by minister



#### **PRIORITIES**

- Identification of indicator species and establishment and effective implementation of inventory, classification and monitoring systems,
- Identification, registration, conservation and management of genetic diversity important for biological diversity, agriculture, food security and economic value,
- Establishment of central information management mechanism in order to disseminate and share results of researches among decision-makers, technical staff and other stakeholders, in a manner to allow faster analysis and understanding of biological and biophysical data,
- Development of specific conservation measures for sensitive and threatened ecosystems and species, ecosystems having high biodiversity, critical habitats, classification groups which have economic value and ecosystems under severe pressure due to human induced activities,
- Determination and monitoring of effects of climate change on biodiversity, and implementation of measures to protect most affected ecosystems and species against climate change,
- Determination and conservation of biodiversity hotspots,
- Strengthening of relationship and coordination between implementation processes of biodiversity related national initiatives such as agricultural strategies, development plans, forestry programmes,
- Encouragement of sustainable use of biological resources and reduction/elimination of negative impacts of natural resource treatment patterns.

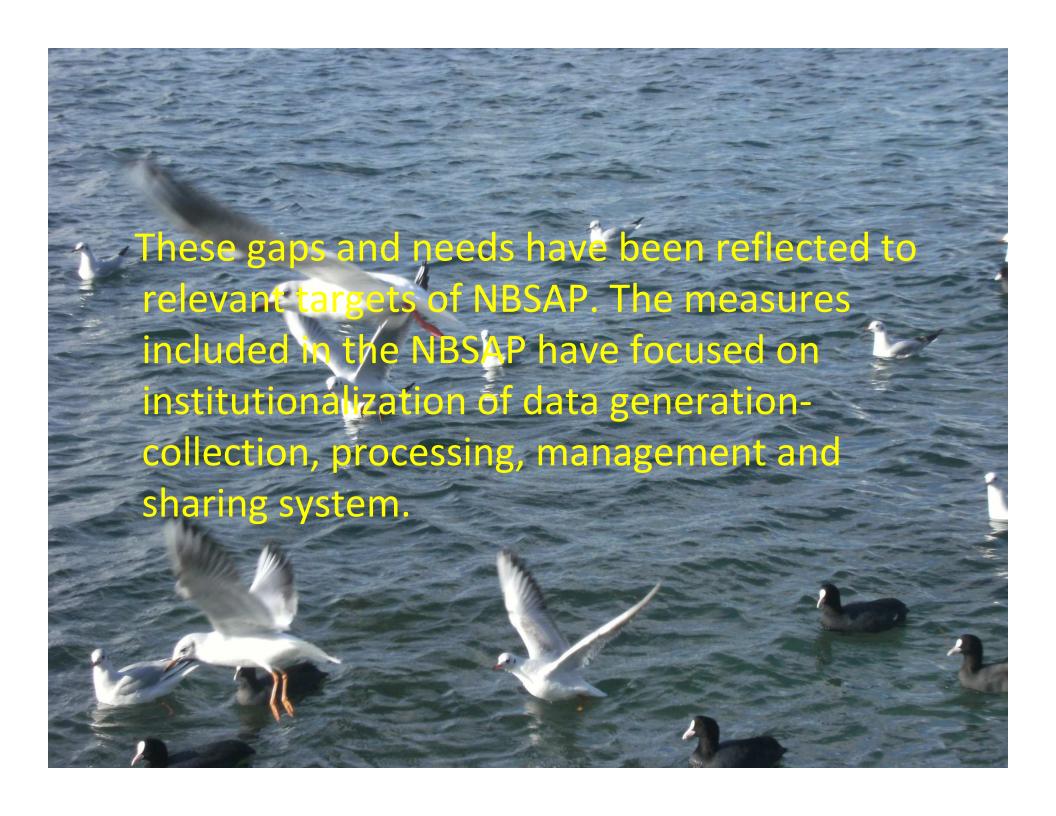
#### RESULTING CONCRETE FACTS

- Proportion of protected areas to the country area has increased from 4% to 6% since 2001. However, loss of diversity in step ecosystems continued, since the existing legislation does not cover appropriate provisions on the protection of biodiversity of step ecosystems, (AGM vs DKMP – Forestration of Steppe Ecosystems)
- Capacity of *ex-situ* conservation and number of materials conserved in *ex-situ* conditions have raised, in particular materials of cultivated plants and their wild relatives,
- Positive developments toward conservation and sustainable use have been achieved by adoption of new regulations (pasture law, environment law etc.), but yet some of the new regulations such as mining law and law on tourism promotion have still negative effects on biodiversity,
- The proportion of forest covers to the total country surface area increased from 26.6 % to 27.2 %, but while half of the forests were degraded, the enhancement was made through reforestation. Additionally, there is an increase in number of annual forest fires,
- Interest of media about protection of environment and number of TV programs on this
  issue increased, understanding and awareness of public on conservation of natural
  environment improved, but yet loss of biodiversity caused by human effects still
  continues,
- Although, Turkey has necessary legislations, institutional infrastructure and human resources to protect biodiversity as a primary concern and in compliance with the provisions of CBD, desirable level of biodiversity conservation could not be achieved due to limited financial resources and insufficient coordination between the institutions.

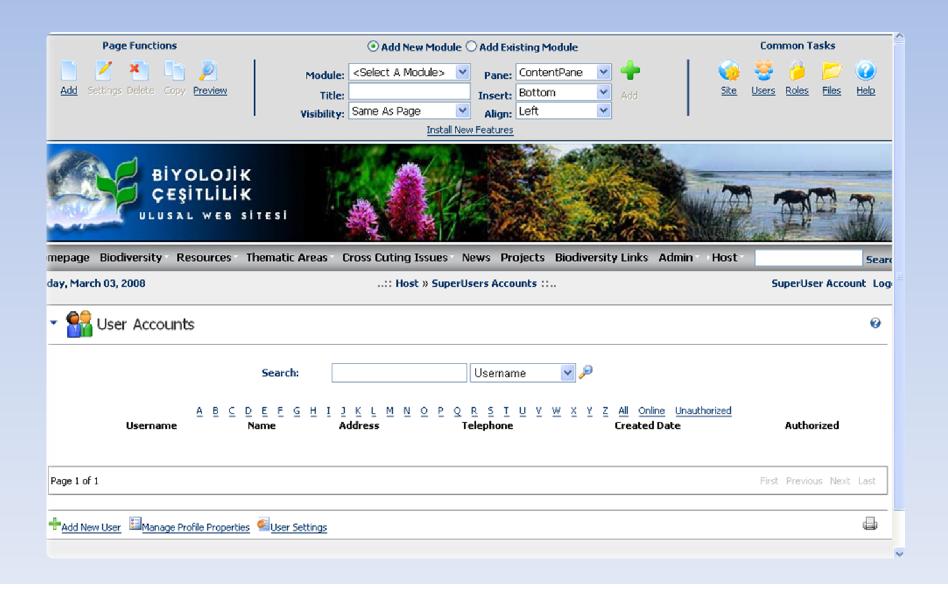




- Human resources on information technologies (mapping, modelling, GIS, database management, etc.)
- Technical capacity for data collection (remote sensing, rapid assessment, etc.)
- Effective use of available financial resources and technical capacity
- Administrative arrangements to ensure information and data sharing



#### CHM (www.bcs.gov.tr)



### Old vs new goals

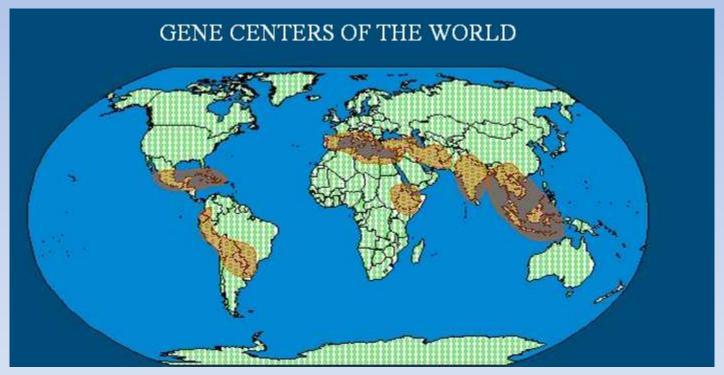
#### GOALS AND TARGETS OF OLD VERSION / NEW VERSION OF NBSAP

GOALS AND TARGETS OF OLD VERSION / NEW VERSION OF NESAP	
Goals of old version of NBSAP	Goals of new version of NBSAP
GOAL 1 Conservation and Sustainable Use:	GOAL 1: Identification, conservation and
	monitoring of components of biological
90 strategic actions on	diversity:
- wild flora and fauna and other wild	3 Targets and 23 strategic actions on general
organisms	issues about
- protected areas	- identification and monitoring
- restoration and rehabilitation	- protected areas
- sustainable use of biological resources	- conservation
- biosafety-alien species and GMOs	
- population and settlements	<b>→</b>
GOAL 2 Ecological Management	GOAL 2 Sustainable use
33 strategic actions on	3 Targets and 19 strategic actions on
- improving ecological management capability	- complementary and compatible legislative,
- increasing resource management capability	administrative and institutional systems
- monitoring	- ecosystem based planning and management
GOAL 3 Education and Awareness	-public awareness and participation
4 strategic actions	
GOAL 4 Incentives and Legislation	<b>*</b>
8 strategic actions	
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GOAL 5 International Cooperation	GOAL 10 Implementation
5 strategic actions	2 Targets and 13 strategic actions on
GOAL 6 Implementation	- coordination and cooperation
8 strategic actions	- financial mechanisms

# NEW GOALS INCLUDED IN THE REVISED VERSION OF NBSAP

GOAL 3 Genetic diversity and traditional knowledge	
2 Targets and 10 strategic actions	
GOAL 4 Agricultural biodiversity	
4 Targets and 24 strategic actions	
GOAL 5 Steppe biodiversity	
3 Targets and 14 strategic actions	
GOAL 6 Forest biodiversity	
2 Targets and 9 strategic actions	
GOAL 7 Mountain biodiversity	
2 Targets and 10 strategic actions	
GOAL 8 Biodiversity of inland waters	
2 Targets and 10 strategic actions	
GOAL 9 Coastal and marine biodiversity	
3 Targets and 18 strategic actions	

# LIST OF IDENTIFIED BIODIVERSITY CONSERVATION PROJECTS FOR FUTURE IMPLEMENTATION



2 macro gene centerS intersect in Turkey: Mediterrenean and Close East.

Turkey has 5 micro gene centers

- Identification of the distribution of medical plant species, development and dissemination of cultivation methods to diminish pressure on wild populations
- Identification and registration of plant and animal genetic resources for the purposes of *ex-situ* and *in-situ* conservation and sustainable use
- Identification of genetic diversity of species that have genetic centers in Turkey by molecular methods
- Identification of the impacts of climate changes on biodiversity, in particular on forests, inlands and marine ecosystems
- Identification of microbial diversity in Turkey and establishment of national microbial collection center
- Cultivation of economically valuable, sensitive, threatened and endangered species in natural flora, development of controlled production and collection mechanisms
- Determination of ecological relations among species in nature protection areas
- Development of mechanisms to control invasive alien species
- Establishment of laboratory network for GMOs
- Classification of stressed forest ecosystems and their threat categories
- Identification and conservation of endangered species in sensitive mountain ecosystems
- Determination of bio-indicator species
- Establishment of gene bank for aquatic species
- Development and implementation of integrated coastal area management plans for the coastal ecosystems under human pressure
- Mapping of distribution of sea grasses by GIS and preparation of action plans for their conservation
- Establishment of marine and coastal protected areas

