

Strategic Initiative on Climate Change Impacts, Adaptation, and Development in Mountain Regions

MENA Regional Meeting
16-18 December 2012

Climate Change in Turkey; Status and Activities

Aynur GÜNEŞ
Forestry Expert
Ministry of Forestry and Water Affairs

Standing at the crossroads of Europe, Asia and Africa



A surface area of 776,774 km² and a coastline of 8333 km

16-18 December, Marrakech, Morocco



A mountainous country with 90% of its land mass lying above 250 m. altitude

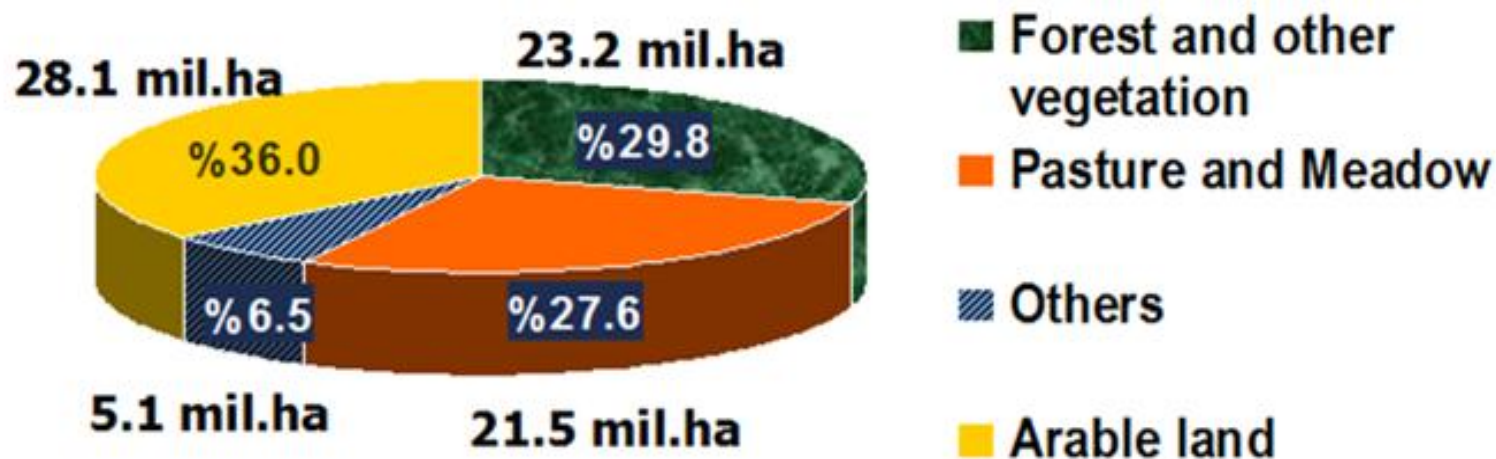
16-18 December, Marrakech, Morocco



Basic Land use types (Orange: Farmland, Pink: Rangeland; Green: Woodland

16-18 December, Marrakech, Morocco

Land use types and distribution



Total 78 million hectares

Climatic Regions of Turkey

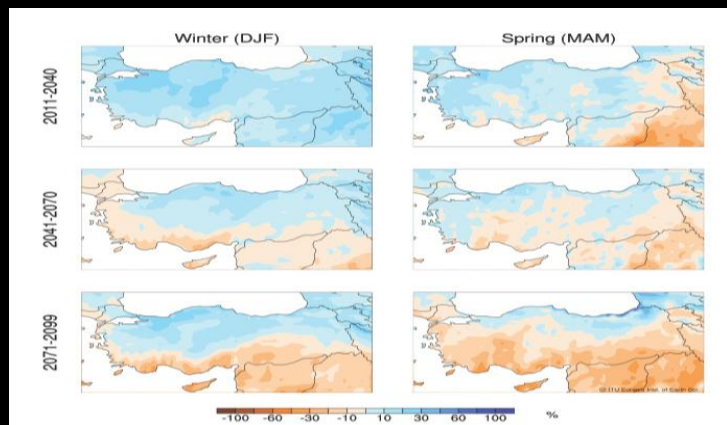


- I. Mediterranean (a- humid, b- semihumid)
- II. Black Sea
- III. Semihumid Marmara
- IV. Steppe (semiarid: a- Central Anatolia, b-Southeastern Anatolia)
- V. Continental Eastern Anatolia

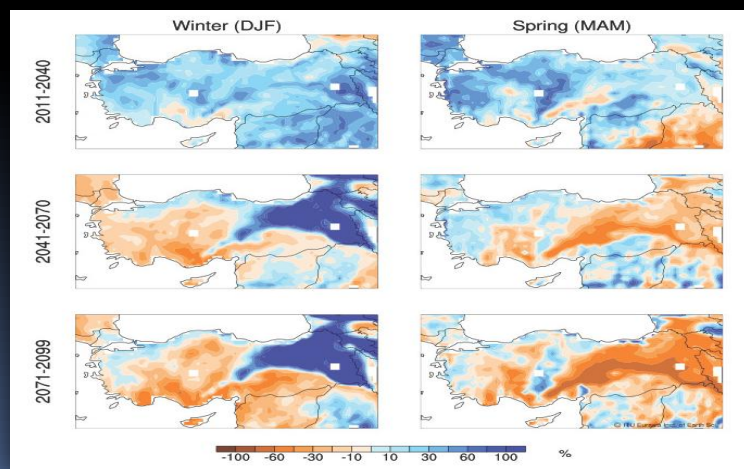
16-18 December, Marrakech, Morocco

PROJECTIONS OF TURKEY

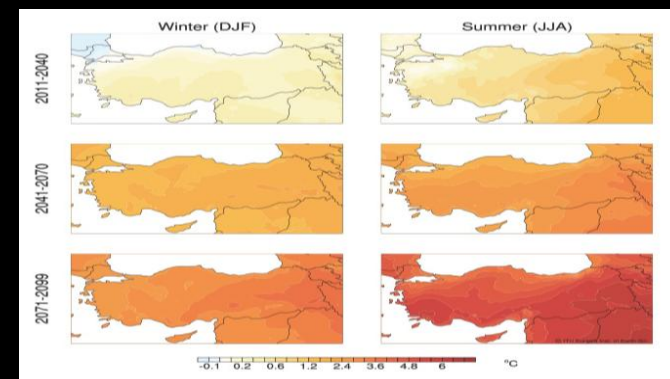
PRECIPITATION



SURFACE RUNOFF



TEMPERATURE



- Almost all simulations agree on ;
- Temperature increase in Turkey in the twenty first century. They also indicate larger increases towards interior and eastern parts of Turkey.
- Precipitation reduction in winter in the Mediterranean, increase Black Sea region.
- Reduction of spring runoff and an increase of winter runoff in the eastern Anatolia.

Turkey is the party of 3 Rio Conventions

- **Convention on Combat Desertification (1998)**
 - **Convention on Biological Diversity (1992)**
 - **Convention on Climate Change (2004)**
- and
- **Kyoto Protocol (2009)**



16-18 December, Marrakech, Morocco

Coordination Board on Climate Change (CBCC)

**Ministry of Environment and
Urbanization (MoEU)
(Coordinator)**

Ministry of Development

**Ministry of Energy and Natural
Resources (MENR)**

**Ministry of Science, Technology and
Commerce**

**Ministry of Maritime, Transportation
and Communication**

**Ministry of Forestry
And Water Works**

Ministry of Foreign Affairs

Undersecretary of Treasury

Ministry of Finance

Ministry of Health

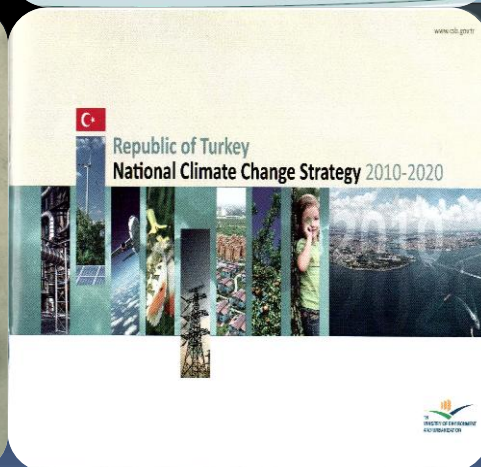
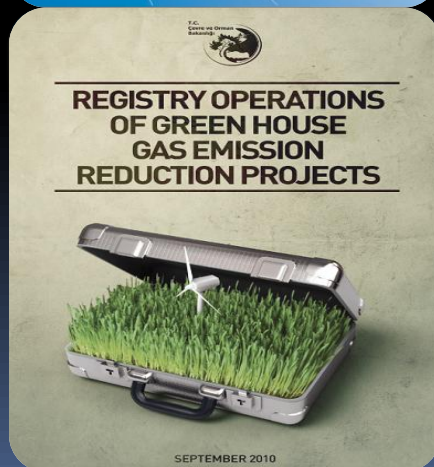
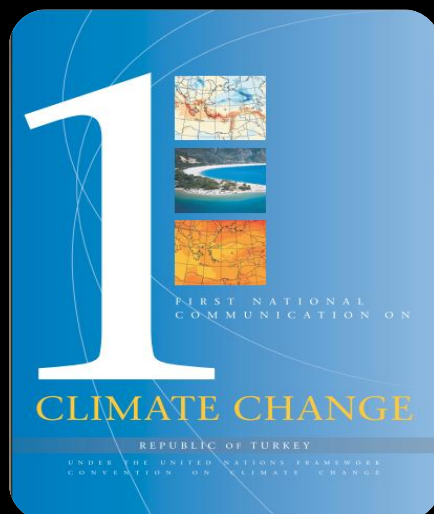
**Ministry of Food, Agriculture and
Livestock**

**Union of Chambers and Commodity
Exchanges of Turkey**

**Turkish Industry and Business
Association**

16-18 December, Marrakech, Morocco

ACTIVITIES/RELATED PUBLICATIONS



16-18 December, Marrakech, Morocco

NATIONAL CLIMATE CHANGE STRATEGY (NCCS)

**NCCS was approved by Prime
Ministry Higher Planning
Council in 2010**

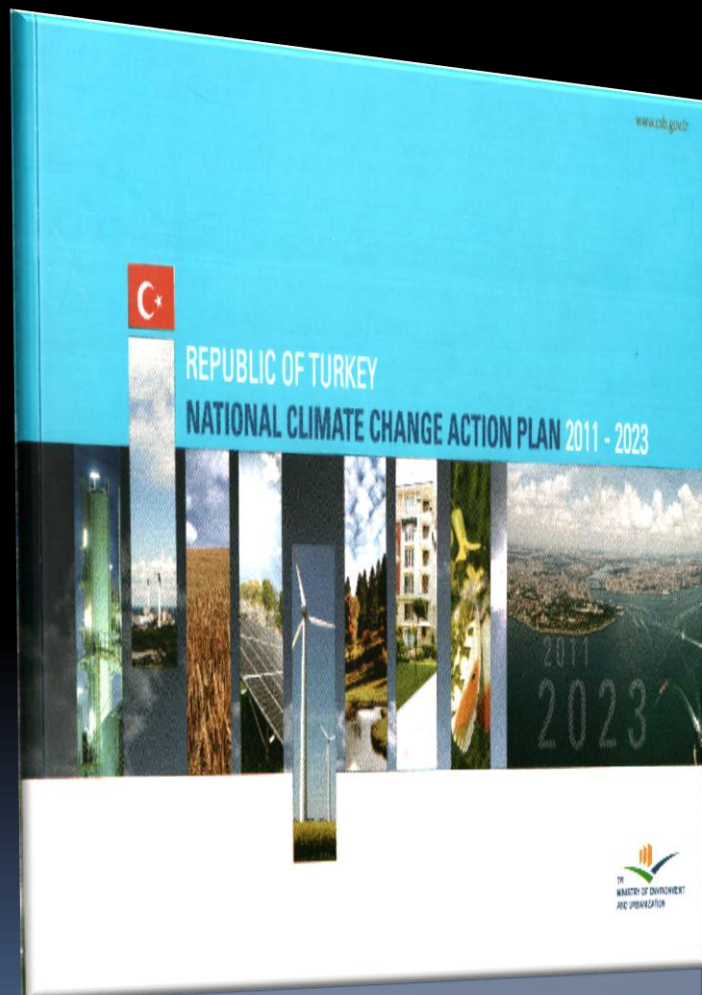
Major aspects addressed

- **GHG Emission Control**
 - Energy
 - Transport
 - Industry
 - Waste
 - Land Use, Agriculture and Forestry
- **Adaptation to Climate Change**
- **Technology Development and Transfer**
- **Finance**
- **Education and Capacity Building**
- **Monitoring and Evaluation**



NATIONAL CLIMATE CHANGE ACTION PLAN (NCCAP)

**NCCAP was approved by
Coordination Board on
Climate Change in 2011.**



SECTORS ARE RESPONSIBLE

- Energy
- Building
- Industry
- Transport
- Waste
- Agriculture
- Land Use and Forestry
- Crosscutting Issues
- Adaptation to Climate Change

NATIONAL CLIMATE CHANGE ADAPTATION STRATEGY AND ACTION PLAN

CBCC WAS APPROVED IN 2012

ISSUES ADDRESSED IN THE PLAN

- Water Resources Management
- Agriculture and Food Security
- Ecosystem Services, Biodiversity and Forestry
- Natural Disaster Risk Management
- Human Health



16-18 December, Marrakech, Morocco

IMPORTANT CLIMATE CHANGE PROJECTS IN TURKEY

	Project Title	Budget	Period
National	1- Capacity Development to Combat Climate Change Project	400.000 TL	2010-2011
	2- Identifying National Emission Limitation/Reduction Policies in line with Global Trends	115.000 TL	2010-2011
	3- Determination of the Regional and Sectoral Vulnerability Related to Adaptation to Climate Change in Turkey	4 million TL	2011-2013
	4- Impacts of Climate Change and Development Awareness About Adaptation Project	1 million TL	2011-2013
International	1- Developing Turkey's National Climate Change Action Plan Project	375.000 \$	2009-2011
	2-HCFCs Phase-out investment Project in refrigeration Sector	26.1 million \$	2006-2008
	3- Enhancing the Capacity of Turkey to Adapt to Climate Change	7 million \$	2009-2011

16-18 December, Marrakech, Morocco

	Project Title	Budget	Period
International	4-Enabling Activities For The Preparation Of Turkey's Second National Communication To The UNFCCC	625.000 \$	2010-2012
	5- Preparation of HCFC Phase-out Management Plan	195.000 \$	2010-2011
	6- Partnership for Market Readiness	350.000 \$	2012-2014
	7- IPA Project on the Monitoring Mechanism Decision	3 million €	2012-2014
	8- Pilot Implementation Project in Foam Sector	165,000 \$	2 010-2011
	9 -Ozone Depleting Substances Disposal Pilot Project Preparation	60.000 \$	2010-2011
	10- Preparation of HCFCs Phase-out Project in Foam Sector	7.713.490 \$	2010-2012
	11- Institutional Strengthening Project for the National Ozone Unit (5. Phase)	195.000 \$	2011
	12-MENA Project :Adaptation to Climate Change in Forestry Policy.	4,5 million €	2010-2014
	13-Climate Sensitive Forest Ecosystems Management Project	6 million €	2010



Aynur GÜNEŞ
Forestry Expert
Ministry of Forestry and Water Affairs
aygunes@ormansu.gov.tr

THANK YOU
FOR YOUR
ATTENTION...

16-18 December, Marrakech, Morocco

16-18 December, Marrakech, Morocco