



Country Report of The IR. Iran
28-30 Jan., 2009, Bangkok, Thailand

Workshop on
Improving Agricultural Productivity, Water Use Efficiency
& Strengthening Rural Livelihoods

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Outlines

Part I:

General Information About Iran

Part II:

Current Land Uses & Management

Part III:

National Spatial Plan & Sectoral Strategic Plans





Iran is Located in an Arid & Semiarid Region

SCWMRI

Soil Conservation and Watershed Management Research Institute



Area: 165 Mha

Population: 70 M

Mountains: Alborz

(North)

Zagros (West)

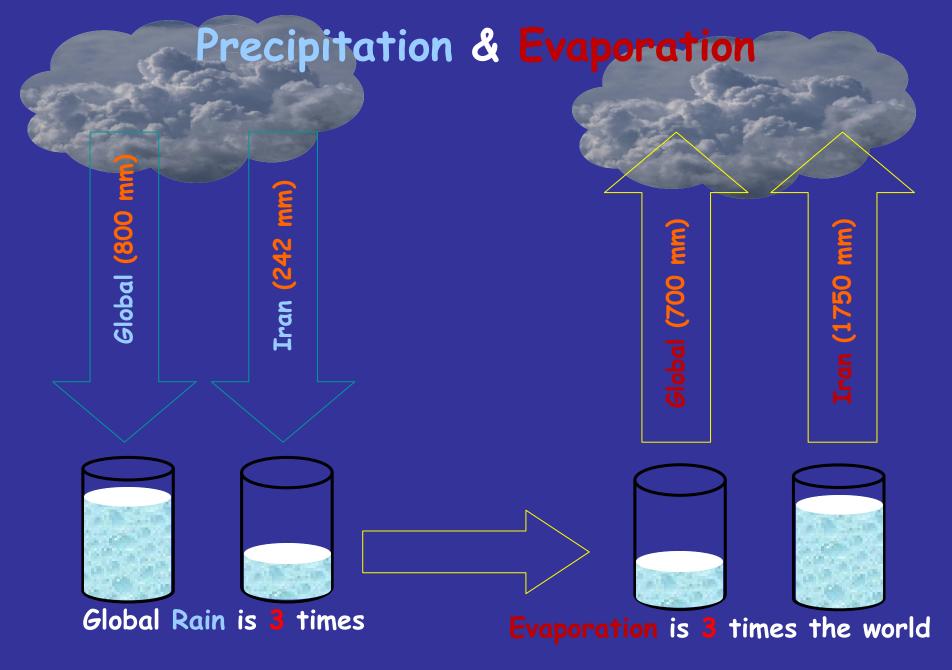
Elevation:

-28 to 5610 m

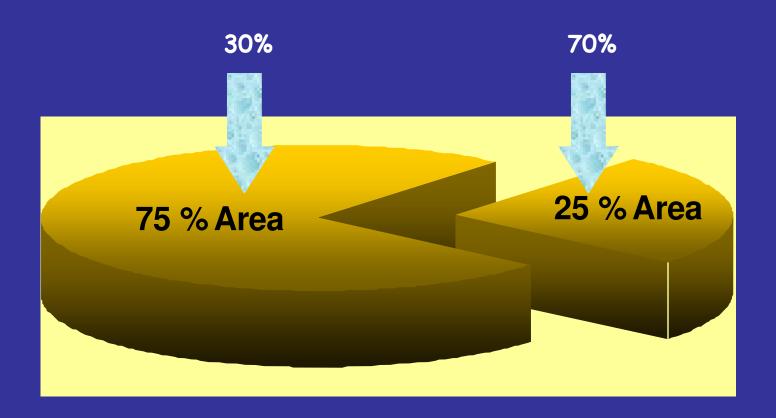
Temperature:

-44 to 56 °C

Cultivated Lands: 18 Mha

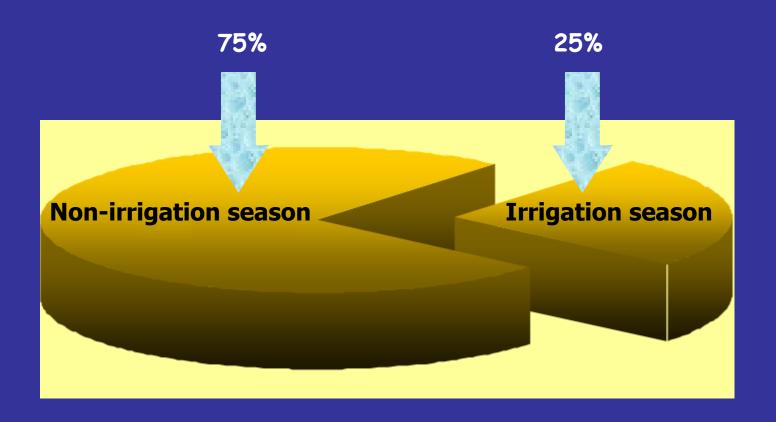


Spatial Distribution of Precipitation





Temporal Distribution of Precipitation



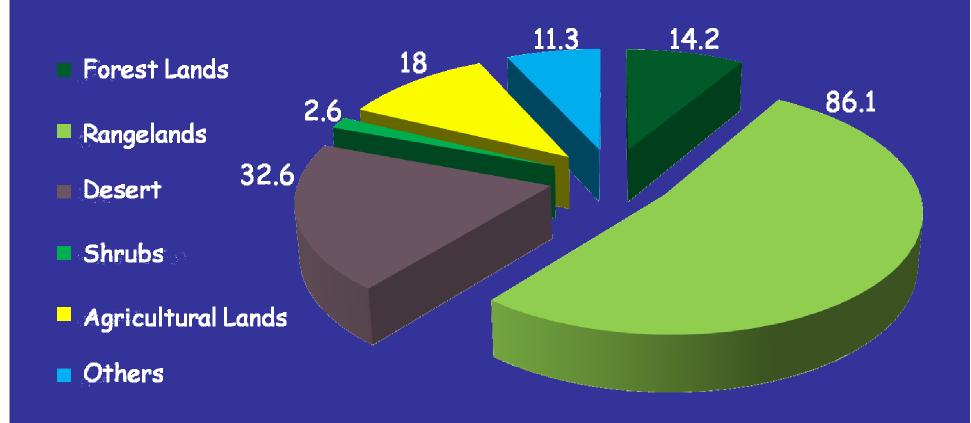


Water Resources

- > Precipitation: 413 BCM
 - >70% Rain
 - >30% Snow
- > Evaporation: 295 BCM (71% of the Precipitation)
- > Trans-Boundary Rivers: 13 BCM
- > Total Potential Renewable Water Resources: 130 BCM.
- > Water Use: 90 BCM



Land Resources (Mha)





Agricultural Lands

- > Agricultural Lands 18 Mha
 - > Irrigated Lands 8.4 Mha
 - > Equipped to Modern Irrigation & Drainage Networks 2 Mha
 - > Traditionally Irrigated 6.4 Mha
 - > Drylands 9.6 Mha



Agricultural Land Users

- > Total 4.32 M
- ➤ Not Educated 1.96 M (45%)
- > Primary School 1.49 M (35%)
- > Secondary School 0.74 M (17%)
- > Graduated 0.13 M (3%)



Spatial Planning

- The Methods Used to Influence the Distribution of People & Activities in Spaces & Includes All Levels of Land Use Planning Such as Urban, Rural, Regional, & Environmental Planning
- > In 1974 Within the Planning & Budgeting Organization
 - Land Use Studies & Researches Center Established
 - > Same Year Changed to Land Use Planning Studies Center
 - > Then Changed to Spatial Planning Center

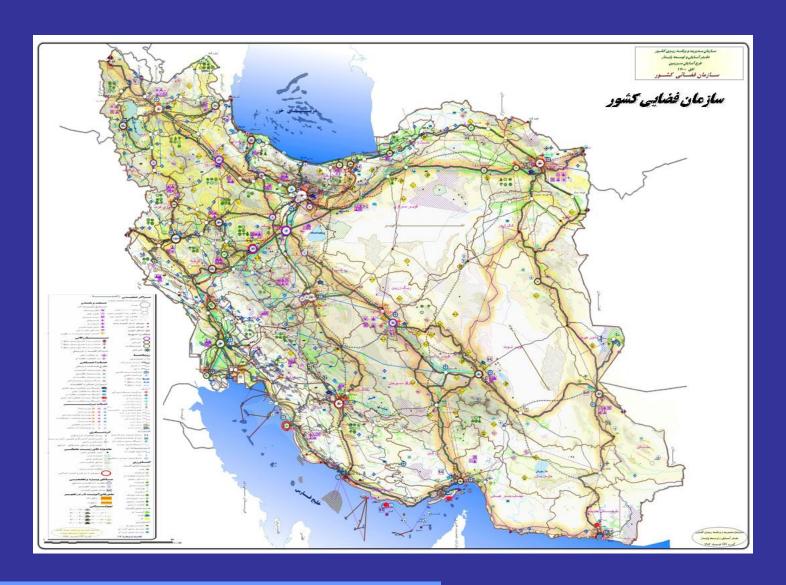


Spatial Planning

- > In 1976 the 1st Outcome
 - > The Basis of Spatial Organizing
 - > Distribution of Population & Activities
 - > Spatial Strategies of Socio-Economic Sectors
- > In 2005 Spatial Planning National Center Established, 5th
- > But, They Were Never Used by Sectors Due to:
 - > No Political Will
 - > No Inter-Sectoral Planning & Cooperation
 - > No International Cooperation



Spatial Planning





Land Use Planners

- > Ministry of Agriculture
 - > Forests, Rangelands, Deserts & agricultural lands
- > Department of Environment
 - > Natural, Marin & Human Environments
- > Ministry of Power
 - > Water Resources
- > Ministry of Industries & Mines
 - > Mining
- > Ministry of Road & Transportation
 - > Road Construction



Improper Land Use & Management

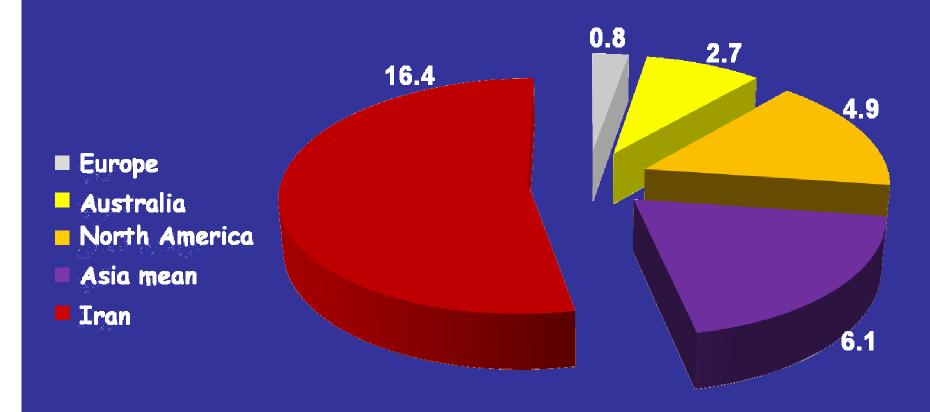


Land Degradation

- > Improper Land Use & Management
- > Exploitation of Marginal Lands
- > Deterioration of Vegetative Cover
- > Overgrazing & Wood Cutting
- > Wind and Different Shapes of Water Erosion
- > Salinization Due to Improper Use of Irrigation Water

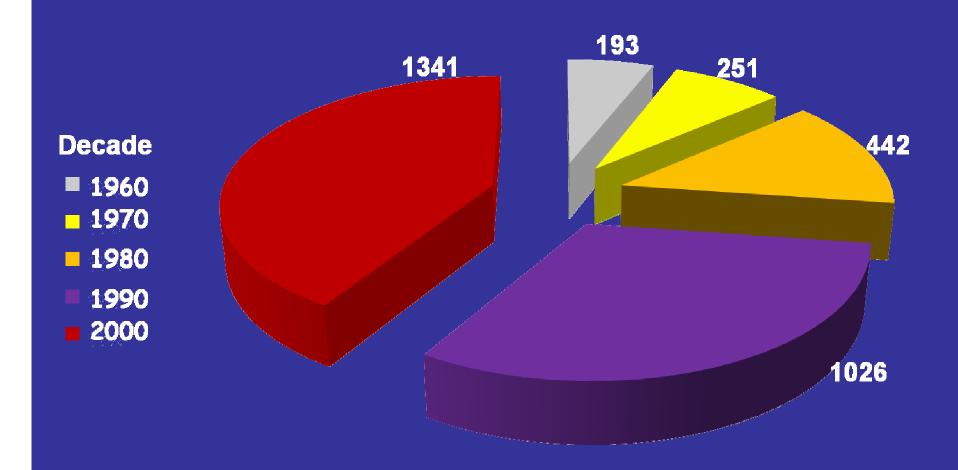


Soil Erosion in Iran (ton/ha)



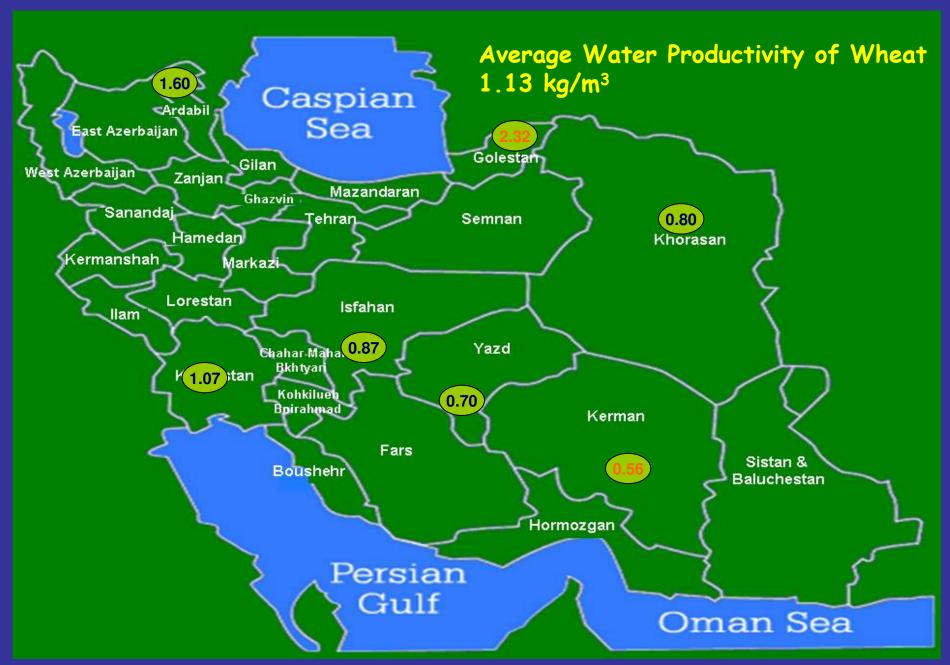


Flood Occurrence









Facts

- > Suitable Lands are Limited in Arid & Semi-Arid Regions
- > Water Scarcity Is a Fact in Arid & Semi-Arid Regions
- > Sectors Have Their Own Manner
- > Resources Are not Properly Managed & Used
- > The Majority of Lands Are Highly Degraded



Means of Implementation

- > Political Will
- > National Spatial Plan
- > Sectoral Strategic Plans
- > Inter-Sectoral Planning & Cooperation
- > Training & Extension Services
- > New & Appropriate Technologies
- > International Cooperation
- > National & International Expertise
- > International Financial Resources



Some Projects

- > Land Use Planning
- > Drought Risk Assessment
- > Rainwater Harvesting
- > Utilization of Renewable Sources of Energy
- > Optimization

