

# **GEOSS Symposium on Integrated Observation for Sustainable Development in the Asia-Pacific Region**

Majid Azadi

I.R. Iran Meteorological Organization (IRIMO)

Tokyo, Japan, 2007

- **GEO**

- 58 Nations
- European Commission
- 43 Participating Organizations

- **GEOSS**

- A globally coordinated, comprehensive and sustained system of Earth observation systems

# GEO's Transverse Approach...

## 9 Societal Benefit Areas

1. Reduction and Prevention of Disasters
2. Human Health
3. Energy Management
4. Climate Change
5. Water Management
6. Weather Forecasting
7. Ecosystem
8. Agriculture
9. Biodiversity





- **Earth Observation Summit (EOS) I**

- July 31, 2003, Washington, DC
- 34 Countries and 20 International Organizations



EOS I

- **EOS II**

- April 25, 2004, Tokyo, Japan
- 47 Countries and 26 International Organizations



EOS II

- **EOS III**

- February 2005, Brussels
- Nearly 60 Countries, EC and over 40 International Organizations



EOS III

# EARTH OBSERVATION SUMMIT III : RESOLUTION

- **Formally established the Group on Earth Observations (GEO)**
- **Adopted GEOSS 10-year Implementation Plan**
- **Endorsed the creation of a Secretariat**





# IRIMO's activities

- After summit III ,the national secretary of GEO has been established in IRIMO

## Relevant ministries/organizations

- Ministry of Technology and higher education
- Ministry of Energy
- Ministry of Jihad and Agriculture
- Ministry of health
- Environmental organization
- Iran Space Agency
- Ministry of Defence

# IRIMO's activities

- Data and products exchange through GTS

Flood Warnings

Tsunami Warnings

Weather forecasts

....

Public through media

Research community

Some organizations have direct link and access to  
IRIMO's data and products

# IRIMO's activities

Installing VSAT for neighboring countries in  
the region

Tajikistan (Implemented, 2006)

Afghanistan (planned)

Azerbaijan (Planned)

Iraq (Planned)



# IRIMO's activities

- Holding training courses for experts and managers of meteorological services in neighboring countries including Iraq, Afghanistan, Tajikistan

# IRIMO's activities

Holding national workshops ,conferences and meetings such as:

- NWP workshop ( yearly)
- Climate change conference (yearly)
- Space week workshop (yearly)
  
- Civil aeronatical organization (every 2 weeks)

# IRIMO's activities

- Implimenting joint projects such as:  
Abniroo project for establishing a flood warning system using MM5 and HMS models with the cooperation of water recourse management



# Iranian National Tsunami Warning System (INTWS)



**Iranian National Center for Oceanography (INCO)**

**International Institute of Earthquake Engineering and Seismology (IIEES)**

**University of Tehran (UT)**

**National Cartographic Center (NCC)**

**Geological Survey of Iran (GSI)**

**Islamic Republic of Iran Metrological Organization (IRIMO)**

# Time table for INTWS

