



**COPUOS 50<sup>th</sup> Session**

**Symposium  
SPACE AND WATER**

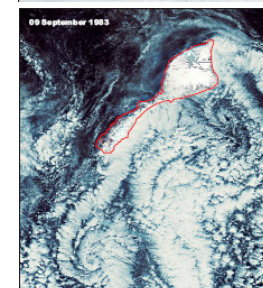
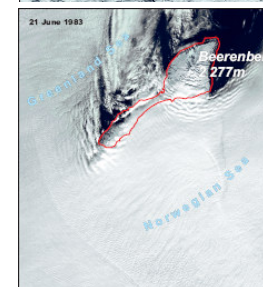
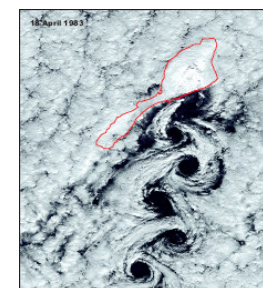
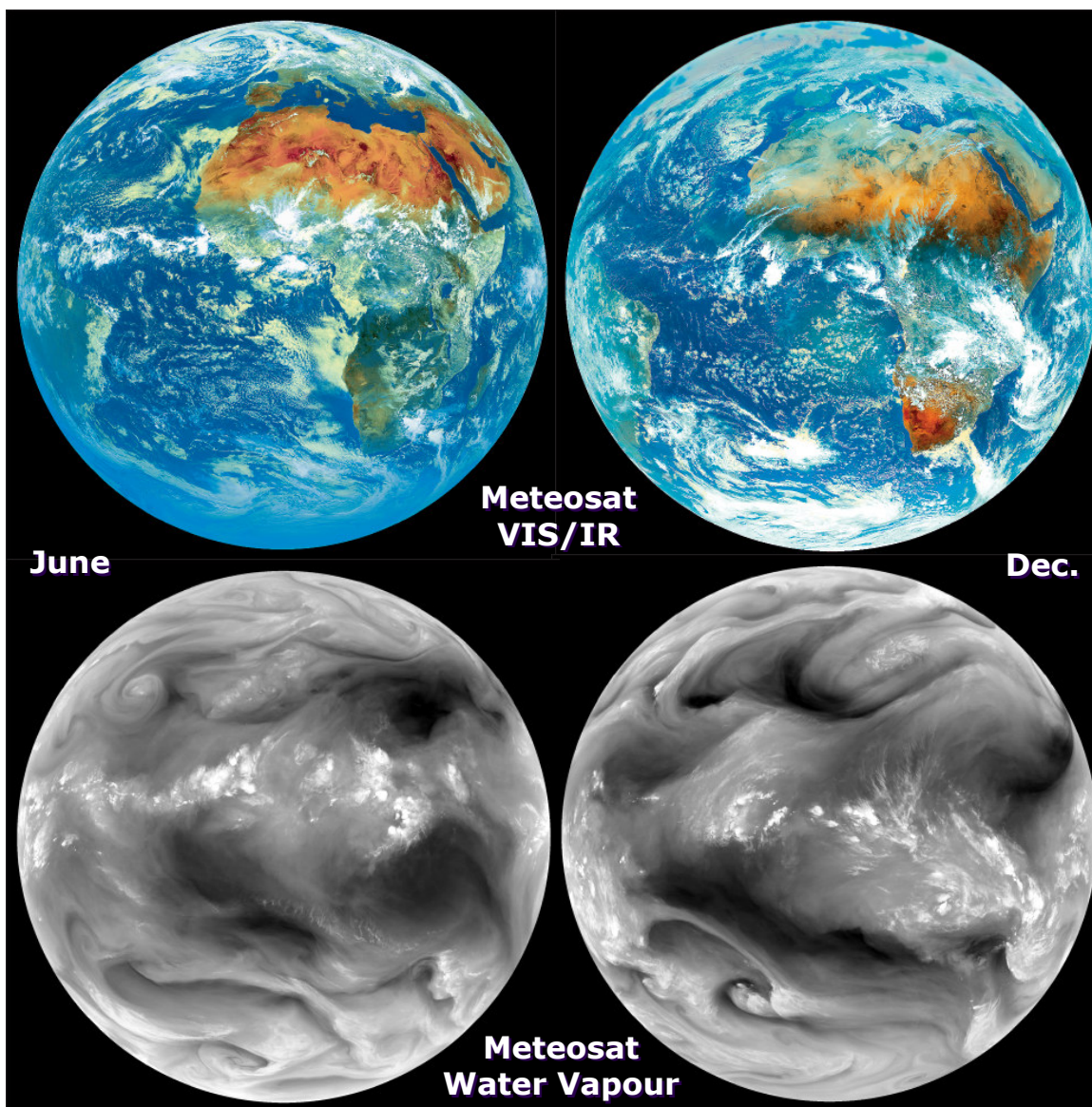
**June 11<sup>th</sup>, 2007**

**Conference Room III  
Building C  
Vienna International Centre**

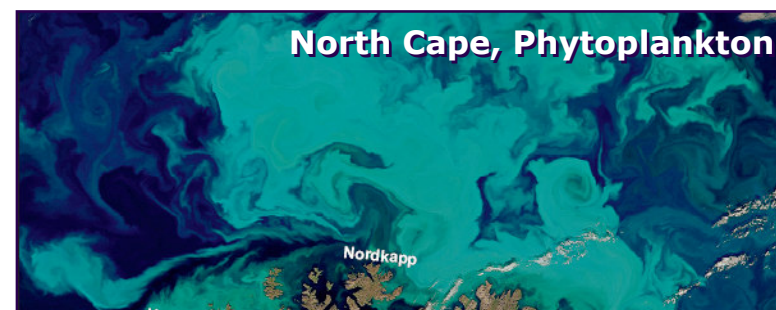
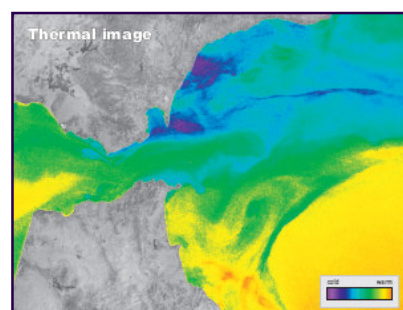
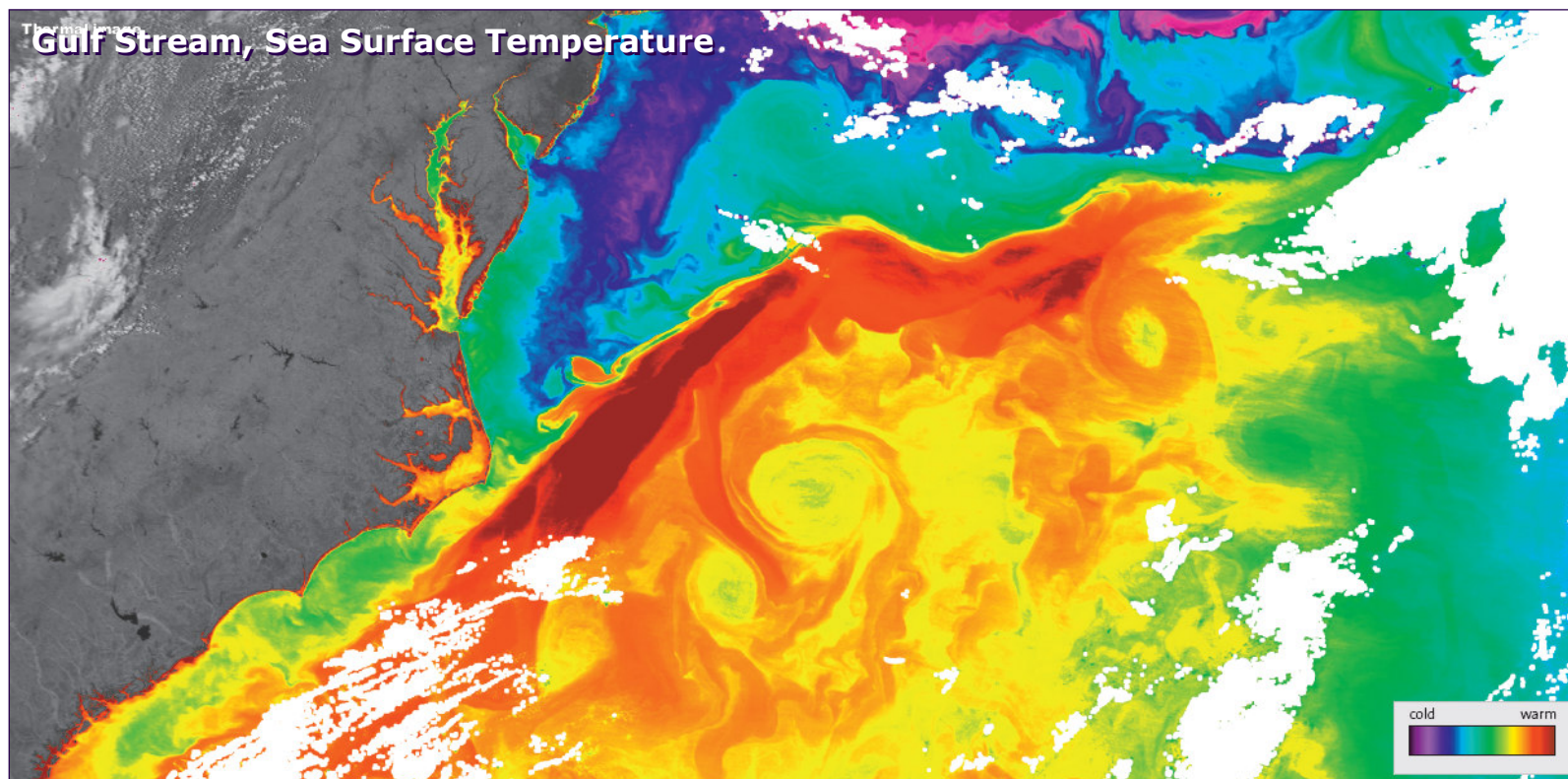
## The Situation

- ▼ UN World Water Assessment Programm:
- ▼ Face the World Water Crisis ⇒ Observe and Assess the Indicators ⇒ React to them:
- ▼ Map the World Freshwater Resources ⇒ Understand the Natural Water Cycle, the many Faces of Water
- ▼ Assess the Water Demand for a Growing, Urbanizing and Industrializing World Population -
- ▼ Secure a Sustainable Availability of Water for all Mankind -
  - ▼ and for the Ecosystems of the Planet
  - ▼ through Protection of all Water Resources by cleaner
  - ▼ Agriculture, Industries, Traffic Systems, Water Treatment
  - ▼ through Collective Responsibility, by sharing Water
  - ▼ Resources and by
- ▼ Watermanagement : Stewardship and Governance,
- ▼ Mitigation of Risks

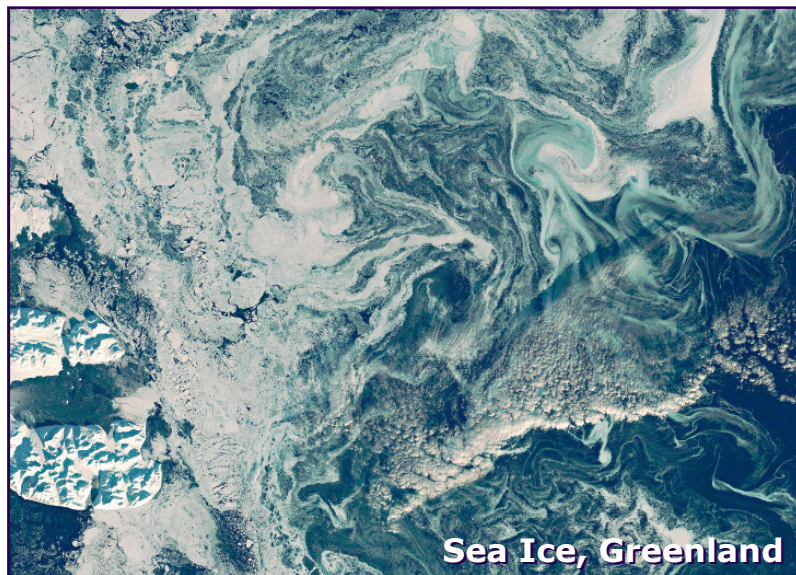
## Water in the Atmosphere



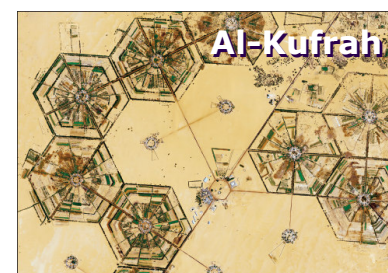
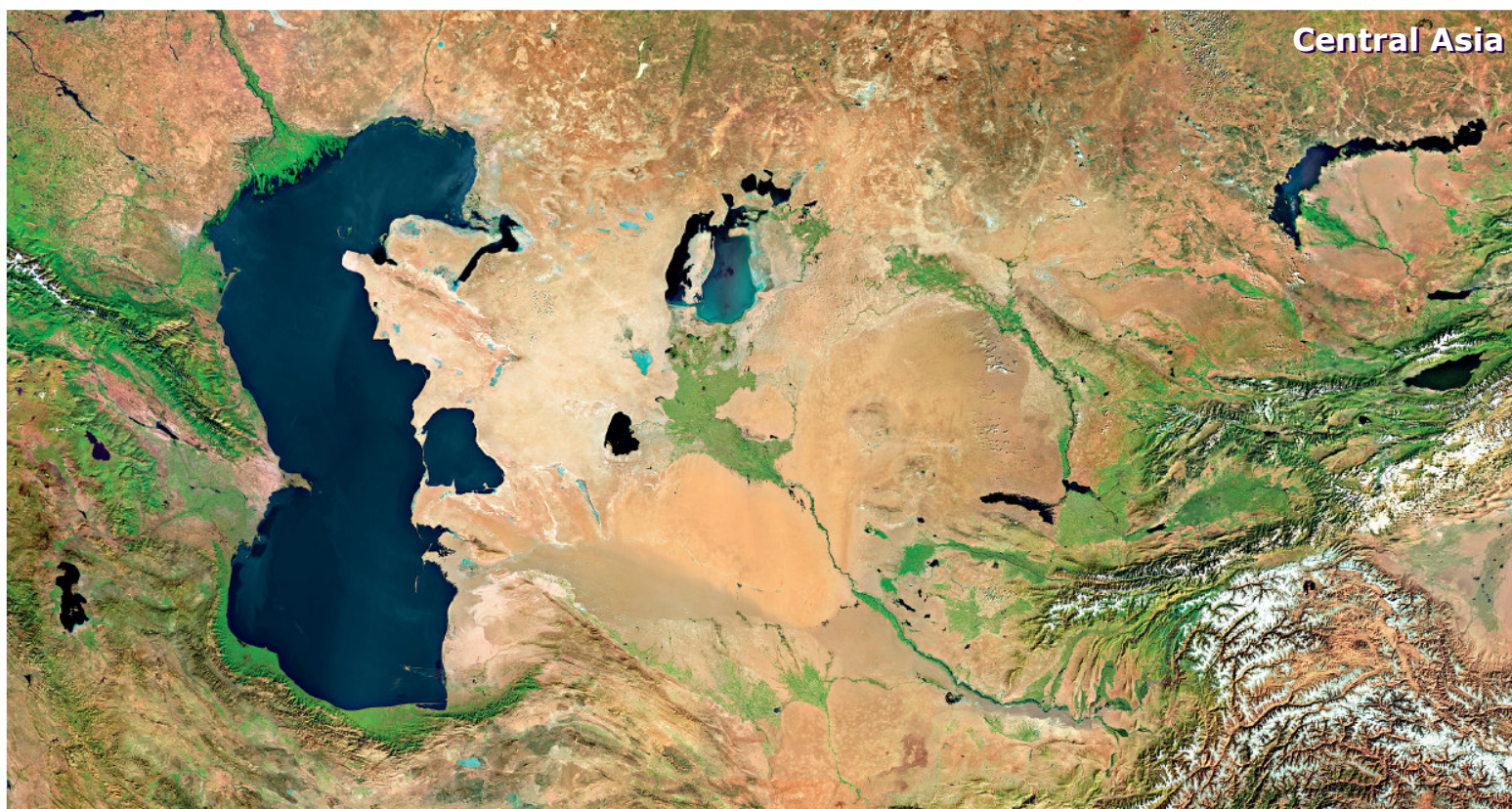
## The Oceans



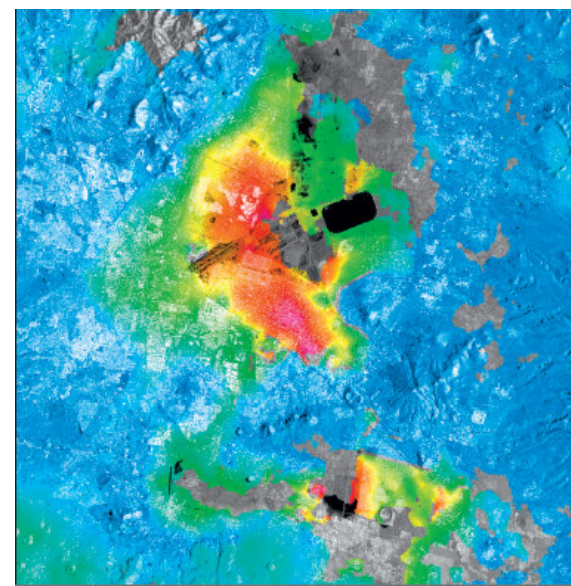
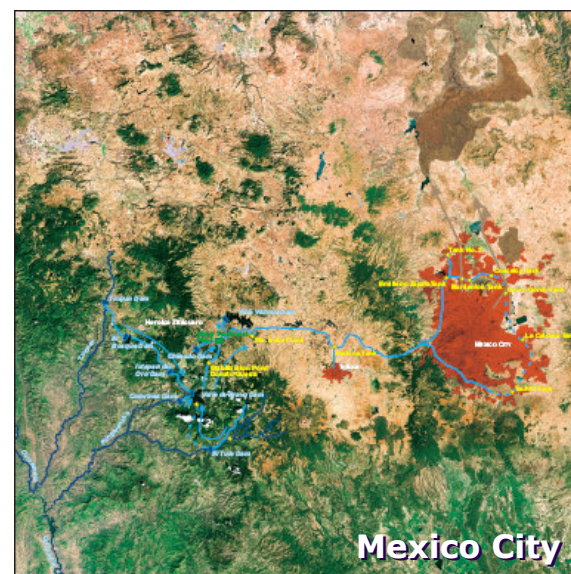
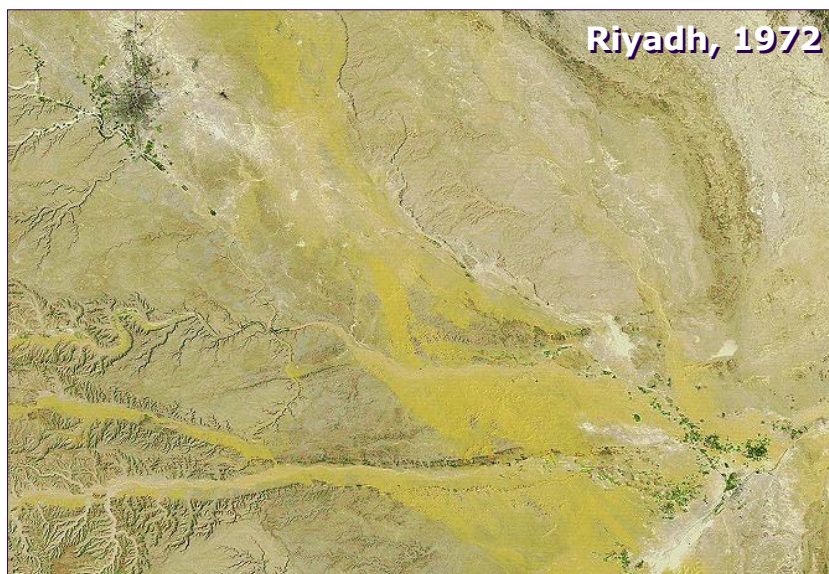
## **Surface Water**



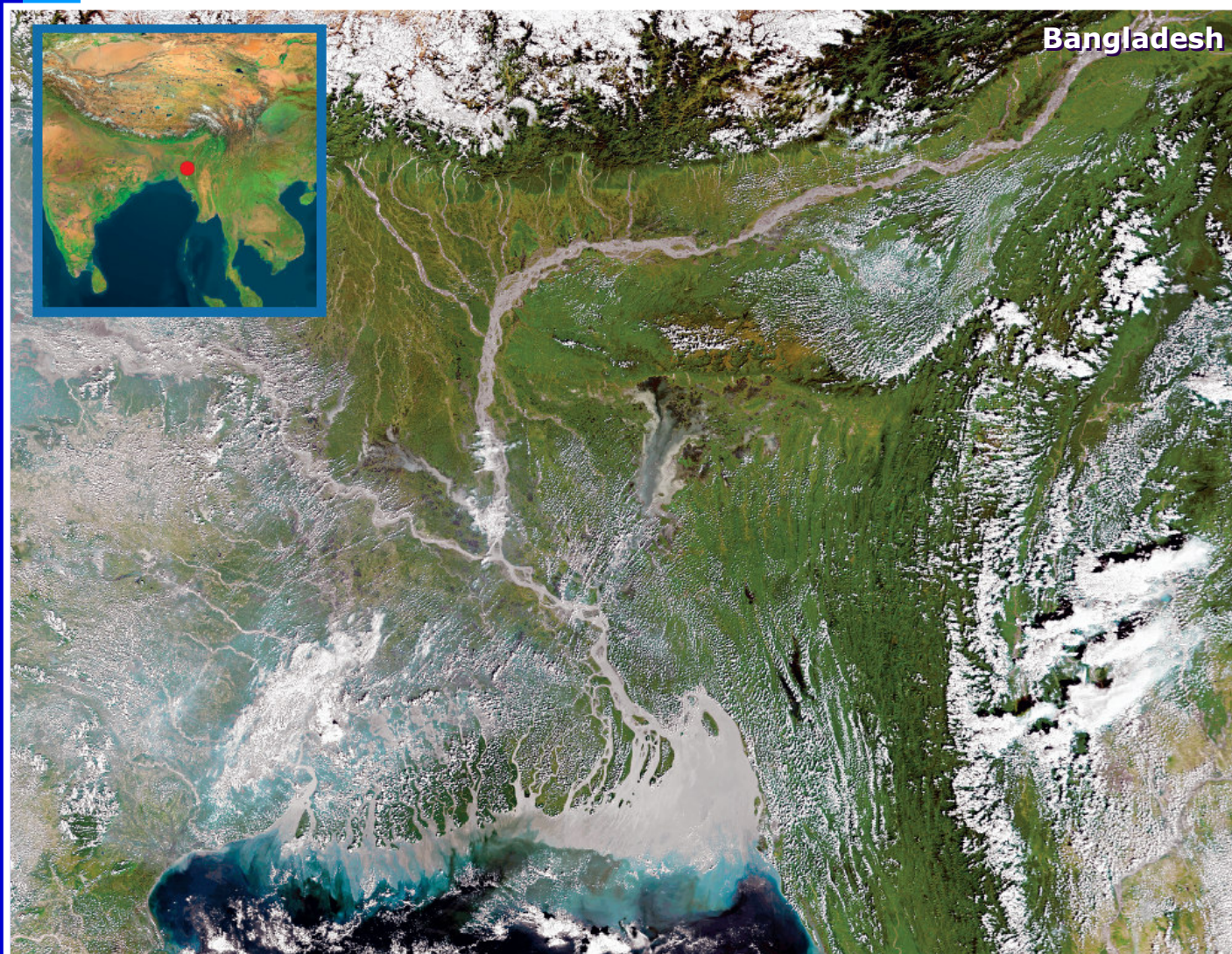
## **Water and Agriculture**



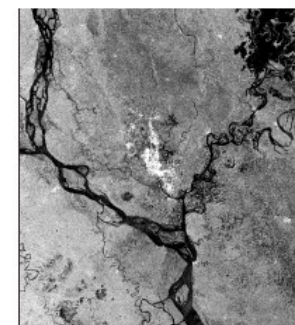
## Water and Cities



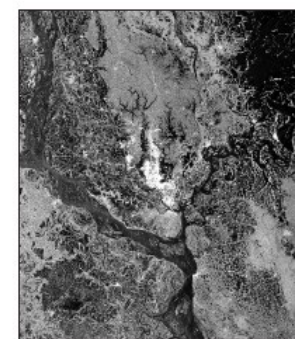
## Water and Disasters



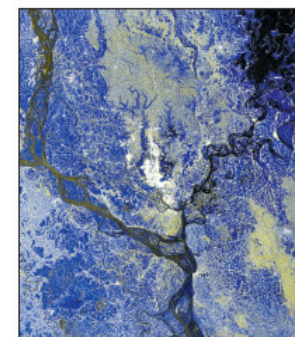
Bangladesh at the end of the Monsoon season.



Radar image, 19.05.2004.



Radar image, 28.07.2004.



Multitemporal radar image.

## **Symposium: Space and Water**

Moderator: L. Beckel, Austria

### **The Agenda**

- 16:00 Opening remarks by the Moderator**
- 16:05 Role of Space-based Systems for Water Resources Management**  
Dr. K. Radhakrishnan, ISRO, India
- 16:25 Advances in Systemic Observations of Surface Water and Marine Environment in Africa**  
Dr. A. Belward, GEMU, European Commission
- 16:45 Space-based Data and Inter-jurisdictional Water Resources Management**  
Ambassador. W. Lichem, Austria
- 17:05 Space and Water for Life**  
Ms. Y. Berenguer, Earth Observation Section, UNESCO
- 17:25 Nigerian Perspective on Space and Water Resources Management**  
Mr. J. Chabo, Federal Ministry of Water Resources, Nigeria
- 17:45 Latin American Perspective on the Use of Space Technology for Water Management**  
Mr. C. Arevalo, Colombia
- 17:50 Discussion**
- 17:55 Conclusions**

## **Water - Functions and Threats**

## **Space Technology and Water Management**