



## FT5-13 session of the 4<sup>th</sup> World Water Forum « Creation and development of shared Water Information Systems »

### Syntheses and recommendations



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## Main characteristics of the session

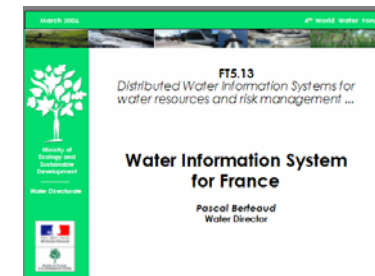
- **Session organised by the International Office for Water (IOWater) in partnership with the National Water Commission of Mexico (CONAGUA)**
- **Session co-chaired by :**
  - **Mr. Pascal Berteaud** – Water Director – Ministry of Ecology and Sustainable Development – France
  - **Mr. Juan Carlos Valencia**- Director-General of Planning, National Water Commission (Conagua) - Mexico
- **Presentation of 12 cases of shared water information systems at national and international level**
  - Downloadable from [http://www.oieau.fr/mexico/session\\_5-13.htm#comms](http://www.oieau.fr/mexico/session_5-13.htm#comms)
- **Round table with international experts (often water directors)**
- **Conclusions given by Mr. Orcar Cordeiro Netto** – Director « Agência Nacional de Águas » (ANA) – Brazil

## 3 CASE STUDIES OF SYSTEMS AT NATIONAL LEVEL

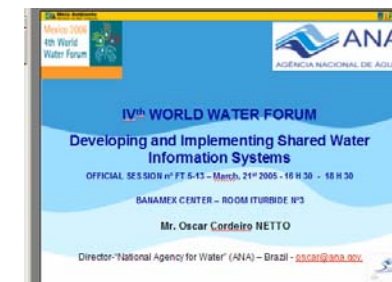
- **The National Water Information System in Mexico (SINA/SIRA)**



- **The French Water Information System (WIS)**



- **The Brazilian Water Information System (SNIRH)**



## 7 case studies at international level

- The Water Information System for Europe (**WISE**)
- The Euro-Mediterranean Information System on Know-how in the Water Sector (**SEMIDE/EMWIS**)
- The Information System for water management in the Hungarian/Rumanian Körös/Crisuri transboundary basin (**KOCRIS**)
- The Information System for water management of the Irtysh basin, transboundary between Russia and Kazakhstan (**IRBIS**)
- The Water Information Base of Central Asia
- The Basin Information System of the Senegal River
- Sectoral water information systems in Latin America (WSP- World Bank)

## 2 CASE STUDIES OF SPECIFIC SYSTEMS

- **Water observation and information system for Balkan countries**
  - Institute for Research and Development - France
  
- **Flood Vulnerability Index**
  - Japan Water Forum” /“Co-operative Programme on Water and Climate”
  - Department of Public Works and Highways of the Philippines

## A round table of international experts

- **Mr. Juan Carlos VALENCIA** - Director for Water Planning CONAGUA - Mexico
- **Mr. Walter Mazzitti** - Secretary General - Euro-Mediterranean Information System on Know-how in the Water Sector (SEMIDE/ EMWIS)
- **Mr. Oscar Cordeiro NETTO** – Director – “National Agency for Water” (ANA) – Brazil
- **President: Pr Victor Dukhovny**, Scientific Information Centre of Interstate Commission for Water Co-ordination in the Aral sea basin, SIC-ICWC
- **Dr Frank VAN DER MEULEN**- Ministry of Transport, Public Works and Water Management, National Institute for Coastal and Marine Management / RWS-RIKZ
- **Mr. Pulatkhon D. UMAROV** - Interstate Commission for Water Co-ordination in the Aral sea basin, SIC-ICWC
- .....

## Characteristics of water data/info. management context

- **Multiplicity of topics to consider:**
  - Water description and water status: surface water, ground water, quantity, quality, rainfall, etc.
  - Water uses and impacts (industrial, urban, agricultural, etc.),
  - Water infrastructure characteristics
  - Water management: laws, institutions, investments, monitoring actions
- **Various types of information needed:** documents, real time data, validated data, geographic information, synthetic information, etc.
- **Multiple levels for water management and water information uses and multiplicity of stakeholders at each level:**
  - Local: local producer level, administrative level, water management level
  - National
  - International and Regional
- **The necessary Information is heterogeneous and dispersed between various organisations:** each organisation has developed its information system to meet its own requirements without taking into account the constraints linked to data exchange and transmission to others
- ...

# CONCLUSIONS

1. **The significance of these information systems in water management:** : « improvement of knowledge of water resources, environments and uses is necessary for decision-making and sustainable management »
2. Some essential recommendations (see summary report)
  - Fundamental organisational aspects (political awareness, definition of strategies, organisation of partner networks, etc.)
  - Facilitation of access to comparable data (inventory of sources, common language, common reference frames, etc.)
  - Organisation of data enhancement and dissemination of knowledge according to the users' expectations
  - ...
3. A keen interest of the participants **to continue and deepen exchanges of experience** on this topic of shared water information systems, taking into account the fundamental role of these tools to support an effective policy for water resource management and risk prevention.