

## EAU et CLIMAT

### MEETING OF THE GREAT RIVERS OF THE WORLD INTERNATIONAL SUMMIT

#### CONCLUSION SESSION 1

Improving knowledge for adaptation to climate change - the creation and the strengthening of monitoring networks and Water Information Systems- Launching of new structuring projects.



ROMA - 23/10/2017

Arnould Lefébure – Secretary General ISC

# 2 panels of exceptional quality

*Chair:* Mr. Hassan Janabi, Minister of Water Resources, Republic of Iraq

## PANEL 1



 Mr. Mykola Kuzio



 Mr. Hassan Janabi



 Ms. Patricia Blanc



 Mr. Silvano Pecora



 Ms. Anne Schulte-Wülwer-Leidig



 Mr. Victor Dukhovny



 Mr. Sowed Wamala



 Mr. Bertrand Porquet



# 2 panels of exceptional quality

*Chair:* Mr Hassan Janabi, Minister of Water Resources, Republic of Iraq

## PANEL 2



 Mr. Stefan Uhlenbrook



 Mr. Fadi Comair



 Ms. Adriana Pectu



 Mr. Marco Mancini

**Lansana Fofana**

**Mr. Rachid Rhandi**

**Mr. Victor Juan Cifuentes Sanchez**



 Mr. Pierre Roussel



International Scheldt Commission

## 2 questions:

1. How can we reinforce monitoring networks, water information systems and modelling tools in order to ensure that they are translated in efficient decision-making, risk management and stakeholders information ?
2. How can we create adequate synergies between the various actors that retain crucial information and data (governments, research centers, civil society, business..), so to improve the Water Information Systems ?

# The Global change => more synergy & knowledge

## **CLIMATE CHANGE + SOCIO-TECHNICO-ECONOMIC CHANGES**

- NEW DIFFICULTIES: temperature increase, flash storms, sea level rise, droughts, floodings, water scarcity, erosion, human migration, IT, ...
- NEW PARAMETERS: timing, cultural changes, new technologies (satellite), alien species, ecosystems changes... (eg **crue de la Seine tardive**)

⇒ **NATIONAL/INTERNATIONAL ADAPTATION PLANS** (eg **nouvelle stratégie d'adaptation de Seine Normandie. Dniester climate change project, CIPR**)

⇒ **BUT REGIONAL SPECIFITIES** (Mediterranea, Middle East, Eastern Europe, Northern Europe, Africa.. )

⇒ **NEED TO REINFORCE KNOWLEDGE & TRANSVERSALITY**

⇒ **TIME TO TAKE ACTIONS**

# More integration needed => river basin management

## **ALMOST 80% INTERNATIONAL RIVER BASINS , EVEN MORE TRANSBOUNDARY AQUIFERS**

- From LOCAL to INTERNATIONAL different Legitimate but contradictory ISSUES

⇒ Needs for **CLEAR & NOT DILUTED RESPONSABILITIES** (F Comair)

⇒ Needs for **DEMOCRATIC DIALOGIE**= Dialogue pour construire des politiques durables (F: comités de bassin),

⇒ **WOMEN/YOUTH / CITIZEN / PARTICIPATION** (Youth water parliaments),

⇒ **HYDRODIPLOMATIE** (Comair-Roussel)

⇒ **TRANSBOUNDARY BASIN ORGANIZATIONS catalyseurs FOR PEACE** (INBO-RIOB, ISC, ICPR,..)



**COMMON DATA GIVING CLEAR OBJECTIVES accepted by all** (Mancini)

# A need for a transversal, local water culture

- ⇒ **IMPROVE SHARED KNOWLEDGE** of current situation (**Integrated information and monitoring systems OIEAU, SANDRE F;weap-leap**)
- ⇒ Needs time to **AGREE** on evolution and on **COMMON GOALS**
- ⇒ Serious needs for **EDUCATION AND PRACTICAL INFORMATIONS** (**CIFME**)
- ⇒ **MANY DATA** already but lack of **SYNERGY & ANALYSE**
- ⇒ Needs for **TRANSVERSALITY**: nexus water-Energy-food, water & culture  
**Initiatives pour l'avenir des grands fleuves, Aqua Madre**
- ⇒ **COMMON OPEN DATA network** may help water actors (**Prof Mancini**)

***We still need to improve!***

# Needs for more funding: let's become creative

**NATIONAL FUNDING IS NOT ENOUGH TO COVER ALL INVESTMENT NEEDS** (Ms. Adriana Petcu, Secretary of State at the Romanian Ministry of Waters and Forests. )

⇒ Develop frameworks which **UNLOCK PUBLIC & PRIVATE INVESTMENTS** to address (new) specific needs

⇒ **GET SUSTAINABLE AGREEMENTS** ensuring financial resources for implementation (**financial subsidies, dotation, water taxes**)

⇒ use of **HIGH TECHNICAL** national/regional resources (**Rhine Water Information System supported by German –WasserBLick, Scheld monitoring system supported by France or Flanders (for biological parameters)**)

# CONCLUSION: WATER, A HOPE FOR PEACE

- Periodical update of today's knowledge of changes => Anticipates forthcoming water management and environmental problems ... crucial role for more efficiency
- **WIN-WIN MEASURES** granting the basic functions of protection and use of rivers, to get resilient river (eco)systems
- **SEE CLIMATE CHANGE AS AN OPPORTUNITY:** use increase of temperature for reduction vegetation period of crops and to reduce water consumption (**V Dukhovny**)

**WATER A PRIORITY FOR CLIMATE CHANGE  
WATER A SOCIAL TOOL  
WATER A WAY FOR MORE ETHIC  
WATER A HOPE FOR PEACE**

**METEO**

**RIVERS -SEA**

**GIS**

**LAND USES**



**? HOW TO REINFORCE ?**

MONITORING NETWORKS

WATER INFORMATION SYSTEMS

MODELLING TOOLS



**Research Centers**

**Business**

**Governments**

**Civil Society**

DECISSION-MAKING

RISK MANAGEMENT

STAKEHOLDERS  
INFORMATION

**=> ADAPTATION TO CLIMATE CHANGE**

THANK YOU FOR YOUR ATTENTION



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