

### 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. Bertrand Porquet

Ms. Anne Schulte-Wülwer-Leidig



ernational Scheldt Commission

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Mr. Sowed Wamala

# 2 panels of exceptional quality

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

#### PANEL 2



Mr. Stefan Uhlenbrook









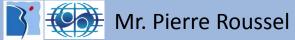
Ms. Adriana Pectu

Lansana Fofana

Mr. Rachid Rhandi

Mr. Victor Juan Cifuentes Sanchez





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## 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 (satelite), allien 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.. )
- $\Rightarrow$  NEED TO REINFORCE KNOWLEDGE & TRANSVERSALITY
- $\Rightarrow$  TIME TO TAKE ACTIONS

### More integration needed => river basin management

#### ALMOST 80% INTERNATIONAL RIVER BASINS, EVEN MORE TRANSBOUNDARY AQUFERS

- From LOCAL to INTERNATIONAL different Legitimate but contradcitory 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)
- $\Rightarrow$  Needs time to AGREE on evolution and on COMMON GOALS
- ⇒ Serious needs for EDUCATION AND PRACTICAL INFORMATIONS (CIFME)
- $\Rightarrow$  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 ressources (Rhine Water Information System supported by German –WasserBLick, Scheld monitoring system supported by France or Flanders (for biological parameters)

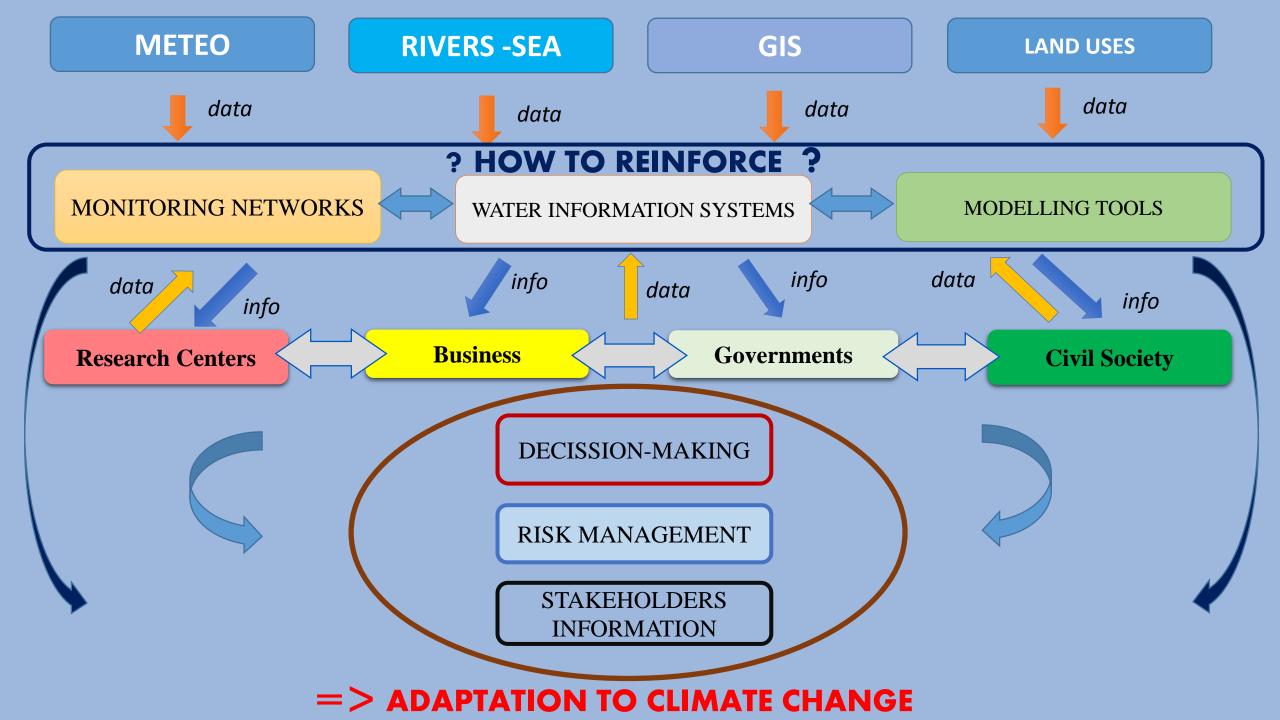
### CONCLUSION: WATER, A HOPE FOR PEACE

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

de l'Escaut



### THANK YOU FOR YOUR ATTENTION



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