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.
2 panels of exceptional quality

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

PANEL 1

Mr. Mykola Kuzio
Ms. Patricia Blanc
Mr. Silvano Pecora
Mr. Hassan Janabi
Mr. Victor Dukhovny
Mr. Sowed Wamala
Ms. Anne Schulte-Wülwer-Leidig
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
Lansana Fofana
Mr. Rachid Rhandi
Mr. Victor Juan Cifuentes Sanchez
Mr. Pierre Roussel
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 SPECIFICITIES (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!*

Internationale Scheldecommissie - Commission Internationale de l'Escaut
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
Governments → MONITORING NETWORKS → WATER INFORMATION SYSTEMS → MODELLING TOOLS → Business → Research Centers

? HOW TO REINFORCE ?

DECISION-MAKING → RISK MANAGEMENT → STAKEHOLDERS INFORMATION → ADAPTATION TO CLIMATE CHANGE
THANK YOU FOR YOUR ATTENTION

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