



The 7th World Water Forum

12-17 April 2015, Daegu-Gyeongbuk, KOREA



Thematic Process Session

**Concluding session 4.3: Cooperation for Reducing Conflict
and Improving Transboundary Water management**

Thursday 16 April, 17h-19h
Daegu EXCO, room DEC_304

Reporting of session 4.3.4.

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Reporting of session 4.3.4.

KEY CHALLENGES

➤ **WATER IS A RESOURCE WITHOUT BORDER**

- 276 TRANSBOUNDARY LAKE AND RIVER BASINS, 608 TRANSBOUNDARY AQUIFER SYSTEMS
- 45% OF THE WORLD'S LAND MASS AND 40% OF THE WORLD POPULATION CONCERNED

➤ **THE REGULAR EXCHANGE OF DATA AND INFORMATION IS FUNDAMENTAL FOR ESTABLISHING GOOD COOPERATION BETWEEN COUNTRIES. THIS IS PARTICULARLY IMPORTANT FOR**

- ROUTINE WATER RESOURCE OPERATIONAL MANAGEMENT
- MEDIUM OR LONG-TERM BASIN PLANNING, WITH MONITORING OF THE PROGRAM OF MEASURE AND INVESTMENTS

➤ **IN MANY CASES THE EXCHANGES OF INFORMATION AND DATA BETWEEN COUNTRIES ARE VERY POOR AND NOT BASED ON WELL ESTABLISHED PROCEDURES**

➤ **DATA SHARING (AND THEIR RELIABILITY) IS PRIMARILY BASED ON TRUST, ESPECIALLY IN CASE OF INVISIBLE GROUNDWATER**

➤ **THERE IS A NEED TO REINFORCE DATA PRODUCTION AS WELL AS THE DEVELOPMENT OF WATER DOCUMENTATION / INFORMATION SYSTEMS AND THE INTEROPERABILITY OF DATA AND DATABASES FOR A BETTER TRANSBOUNDARY BASINS AND GROUNDWATER MANAGEMENT**

Reporting of session 4.3.4.

KEY MESSAGES AND RECOMMENDATIONS/PROJECTS CONTRIBUTING TO THE IMPLEMENTATION ROADMAP

- CONSIDERING DATA/INFORMATION EXCHANGE AS A KEY INSTRUMENT FOR AN EFFECTIVE TRANSBOUNDARY WATER RESOURCE MANAGEMENT
- SPECIFYING THE NEEDS IN DATA PRODUCTION AND THE STRATEGY FOR COMMON TRANSBOUNDARY INFORMATION PRODUCTION AND DISSEMINATION IN ORDER TO SUPPORT TRANSBOUNDARY BASIN AND AQUIFER SYSTEMS MANAGEMENT
- INTRODUCING CHAPTERS RELATED TO DATA/INFORMATION EXCHANGE IN ALL FRAMEWORK AGREEMENTS RELATED TO TRANSBOUNDARY WATER RESOURCE MANAGEMENT AS IT IS A KEY INSTRUMENT
- JOINT ASSESSMENT OF A RESOURCE AND DEVELOPMENT OF PERMANENT COLLABORATION MECHANISMS ARE INCREASING TRUST AND AWARENESS OF COMMON RESPONSIBILITY, BEING THE BEST INCENTIVE FOR DATA SHARING
- DEVELOPING DATA PRODUCTION IN REINFORCING THE TRADITIONAL MONITORING AT TRANSBOUNDARY LEVEL AND IN PROMOTING THE USE OF INNOVATIVE MONITORING TECHNOLOGIES (EARTH OBSERVATION SYSTEMS, CROWS SOURCING, ETC.)
- THINKING IN TERMS OF INTERCONNECTED SHARED INFORMATION SYSTEMS MANAGED BY AD HOC ACTORS/INSTITUTIONS, INSTEAD OF CENTRALIZED SYSTEMS AND ORGANIZING THE LINKS BETWEEN THE TRANSBOUNDARY AND THE NATIONAL WATER INFORMATION SYSTEMS
- SUPPORTING EACH COUNTRY IN THE DEVELOPMENT OF THEIR OWN NATIONAL WATER INFORMATION SYSTEM (OR EQUIVALENT) EVEN AND IN PARTICULAR WHEN DEALING WITH TRANSBOUNDARY WATER MANAGEMENT
- BUILDING ON THE EXISTING SITUATION WITH INFORMATION SYSTEM AND DATA MANAGEMENT PROCEDURES, IN REINFORCING THE CAPACITY OF THE PARTNERS TO MANAGE/CHECK AND PROCESS THEIR OWN DATA AND IN DEVELOPING SCENARIOS FOR DATA EXCHANGES
- DEVELOPING THE CAPACITIES TO EXCHANGE COMPARABLE DATA AND TO INTERCONNECT THE PARTNER INFORMATION SYSTEMS (INTEROPERABILITY), USING COMMON LANGUAGE (CONCEPTS/REFERENTIAL DATASET) AND COMMON PROCEDURES
- ORGANIZING THE SUSTAINABLE FINANCING OF THE NECESSARY DATA PRODUCTION, DATA MANAGEMENT, INFORMATION DISSEMINATION.