Thematic Process Session

Session T 4.3.4 - Building trust : Facilitating data and Information exchange between the riparian countries in transboundary basins

Thursday 16 April, 14h40-16h40 - Daegu EXCO, room DEC_304

Round table 2: Examples related to data and information sharing for transboundary basin management

Examples of transboundary water data management project outputs

in Eastern Europe and Central Asia
(FFEM/ SDC Project)

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**International office for Water**

International Office for Water

Main characteristics of the FFEM-EECCA project

- Project concept developed within the "**working group for Monitoring and assessment" of the Water Convention**" (Helsinki 1992)

- Objective: **Study how water data management could be reinforced in order to facilitate transboundary basins water management and joint assessments**

- Between Nov. 2010 and Sept 2013, activities on two pilot transboundary basins:
  - **Aral Sea Basin** in collaboration with EC-IFAS / IFAS
  - **Dniester River Basin** (Ukraine – Moldova)

- Project organized in 3 phases

1/ Diagnostic phase

2/ Support to water data management activities
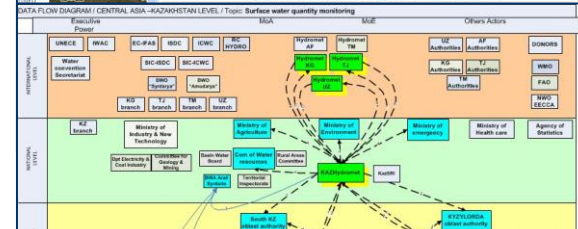
3/ Dissemination of results
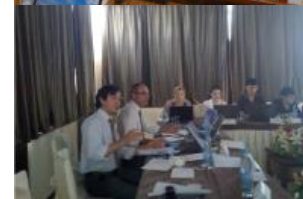
Outputs of the data management diagnostic phase

- **National technical workshops** in 6 countries with participation of the main national data producers and restitution in regional meetings

- **On-line database of actors** producing/using water related data/information

- **On-line catalogue of data sources (metadata)** updated by data producers

- **Diagrams of data flow** describing who exchange what with who (developed by the partners during the workshops)

- **Survey and analysis of the needs** of the partners concerning water data management

Some outputs of pilot activities reinforcing data management

- First prototype of **hydrological bulletin** on the Syrdarya basin (UNRCCA/EC-IFAS)

- **On-line Interactive water scheme on KZ part of Syrdarya river** giving access on the last water level/flow collected/sent by the varoius partners (Hydromet, KazVodhoz, Emergency service)

- Support to **conceptual study of national water information systems in Tajikistan**
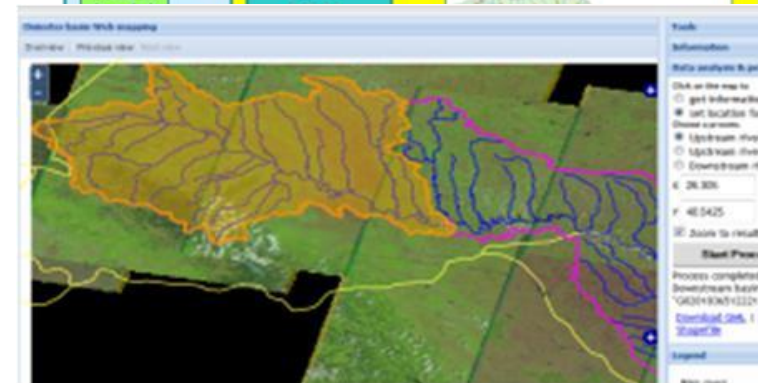
- Support for **improving Water Code in Turkmenistan** for data administration

- **On line web mapping of surface water quality index automatically processed and updated by the partners in Moldova and Ukraine** on the Dniester basin

- **First water Web Processing Services generating new geographic information useful for water management (ex: calculation of upstream basin up to one point)** on the Dniester basin
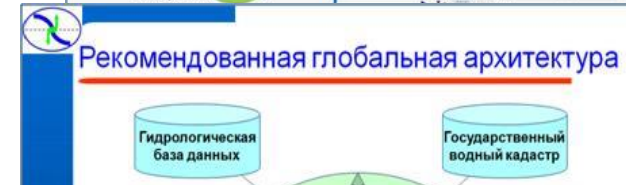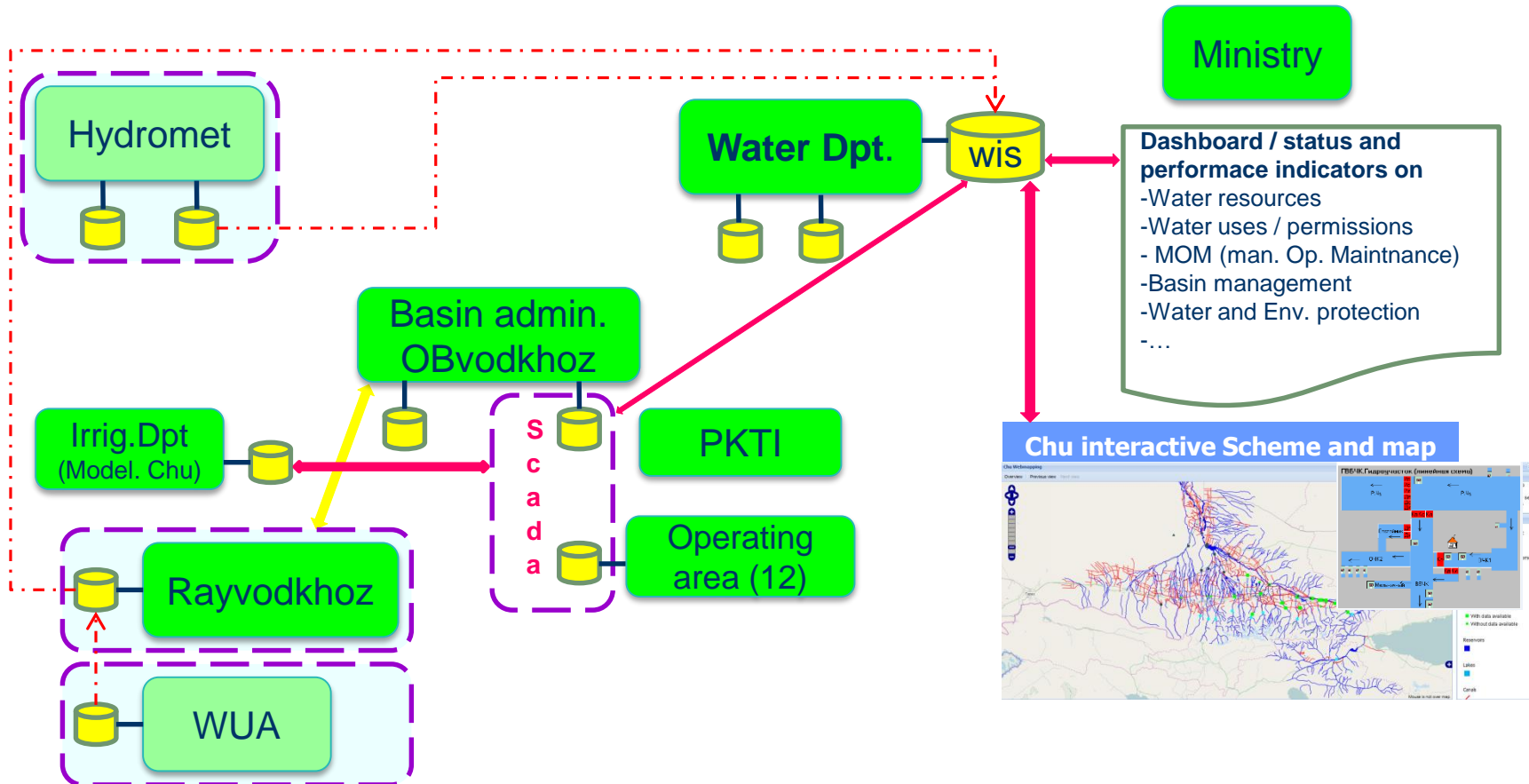
Ministry

Hydromet

Water Dpt.

wis

Dashboard / status and performace indicators on
-Water resources
-Water uses / permissions
- MOM (man. Op. Maintnance)
-Basin management
-Water and Env. protection
-…

Basin admin.
OBvodkhoz

Irrig.Dpt
(Model. Chu)

S c a d a

PKTI

Rayvodkhoz

Operating area (12)

WUA

Chu interactive Scheme and map

Common language
Common definitions/ codes/limits(GIS)/procedures for data exchange, …

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Example of the SDC/IMoMo project
Through a transboundary basin network of partners sharing data

■ The Chu basin web mapping application prototype: a common tool for visualization of water resource situation, regularly actualized by the partners at transboundary level

http://37.187.128.205/webmapping/ca/chu/
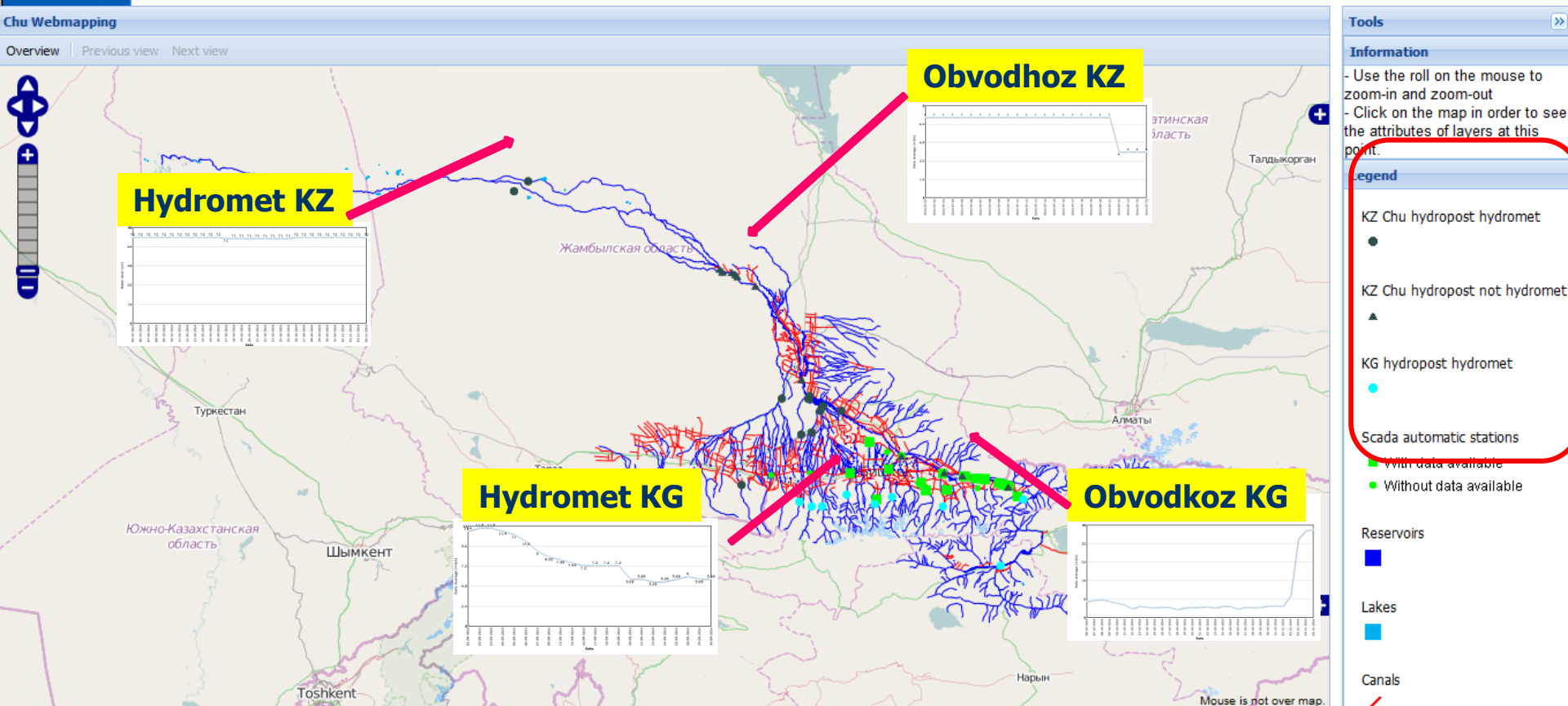
Main lesson learned

- **Long term and regular data exchanges at transboundary level** are facilitated when the transboundary water **agreements** include objectives, procedures and rules related to data exchanges

- With political will of cooperation, they can be developed among others in:
  - **Identifying outputs of common interest** (need analysis, research of win/win solution, …)
  - Analyzing /taking into account the existing situation
  - Thinking in terms of **interconnected shared information systems** managed by ad hoc actors/institutions (not centralized)
  - **Building on (reinforcing) national and partners information systems** and respecting/reinforcing the role of the data producers
  - Developing **common language** and common procedures
  - Reinforcing **human resources capacities** in term of data management and valorization

Thank you for your attention

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