

# Area of work

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## FFEM PROJECT

**STRENGTHENING CAPACITY FOR DATA ADMINISTRATION AND EXCHANGE FOR MONITORING AND ASSESSMENT OF TRANSBOUNDARY WATER RESOURCES IN EASTERN EUROPE, CAUCASUS AND CENTRAL ASIA**

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# 1. What has been done in this work area? The main achievements since 2009?

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Project implemented on its two pilot transboundary basins:

1. The **Dniester basin** (Republic of Moldova Ukraine)
  2. The **Aral Sea basin** (Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan and Afghanistan)
- **Diagnostic of the present situation** related to water data management launched in 5 countries (Republic of Moldova, Ukraine, Kazakhstan, Kyrgyzstan, and Uzbekistan) through:
    1. **A legislative and institutional analysis**
    2. Support for the **description of existing data source** analysis by the national and regional data producers manager in a online **metadata catalogue**
    3. **Analysis of the existing regular data flows** between partners,
    4. A **survey and analysis of the partners' needs**,
  - **Support to activities related to water data management** initiated at national and regional level, with first activities on bulletins (UNRCCA/EC-IFAS), development of Web mapping for demo (2 basins) and of Ewater Processing services (Dniester), draft scenario of data exchange, and preparation of terms of references for next activities



## 2. What are the main results and lessons learnt?

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### Main first results

- Data base of actors at national and regional level
- Regional catalogue of data source (metadata catalogue)
- Diagrams of data flow on various topic in 5 countries
- Online questionnaire on needs with first exploitation of results
- Prototype of a first hydrological bulletin on the Syrdarya river
- Web mapping services and first web processing services
- Development of first scenario for data exchange based on Web technologies
- Integration of results in project web portal <http://www.aquacoope.org/ffem-eecca/>
- Contribution to various regional conference

### Lesson learnt

- Importance of having solid and stable transboundary basin organizations
- Importance to develop “shared water national and regional information systems” as tools to support national and regional water policies
- Importance to reinforce the role of the data producers
- Importance to reinforce human resources capacities on water data management
- Importance to promote SEIS principles and make minds changing in showing the interest of all in developing the sharing of data



### 3. What is foreseen in the draft programme of work for 2013-2015?

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- In order to **support to the development of water data management on the 2 basins**, up to its end (July 2013), the FFEM project plan to:
  - Support to regional **bulletin** production (UNRCCA/EC-IFAS)
  - Support to preparation of **terms of references** for the development of **national water information systems** (TJ)
  - Implement **practical scenarios of data exchange** at regional (Dniester) and national level (KZ) based on SEIS principles
  - Implement **Ewater processing services** (Dniester)
  - Transfer the **regional metadata catalogue** to IWAC
  - Develop **guidance on transboundary water data management**, taking lessons from the project activities
  - Dissemination of project results during national and international meetings/workshops

