



Capacity building in data administration for assessing and monitoring transboundary water resources in the countries of Eastern Europe, the Caucasus and Central Asia (EECCA)

Presentation of
the project
proposal

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Why this proposal



Justification (abstract from 2nd assessment preparation)

- **«Accurate and up-to date information on the quality and quantity status and trends in a basin system through monitoring is essential for effective protection and management. »**
- **« In most transboundary basins in the region, information exchange is still very weak and information produced in riparian countries is not harmonized. Joint monitoring and assessment almost do not exist. »**
- **«..... at the end of the 2nd assessment, we want to know how to develop harmonised monitoring and organise access to comparable data »**



Justification from global context

- **Easy access to information on the status and evolution of water resources and uses is one of the keys to a successful water policy.**
- **Water resource managers need reliable, up-to-date and relevant information on issues such as regulations, planning, risk management and informing the public.**
- **The necessary information exists, either at international or national level, only in a fragmented, incomplete dispersed and heterogeneous way:**
- **=> need to make an effort to rationalize and make this information readable, easily accessible and available**



Previous steps related to this proposal

- Metadata database initially envisaged during the **4th meeting of the parties** to the water convention (Bonn, November 2006).
- Subject developed during the **8th meeting of the monitoring working group** (Helsinki, 25-27 June 2007), with presentation of experiences on metadata database.
- On request of the working group, first conceptual proposal concerning the development of metadata database prepared by IOWater (as representative of France) presented during **9th meeting of the monitoring working group** (ECE/MP.WAT/WG.2/ 2008/4 and Corr.1)
- A number of countries and joint organisations expressed their interest in participating in a future project.
- The monitoring working group invited the International Office for Water to continue to lead this activity on behalf of France (see report of the meeting ECE/MP.WAT/WG.2/2008/2).
- => **efforts made to fund raise** for the project
- => **French Global Environment Fund (FGEF/FFEM)** was approached



Quick view on FFEM procedures

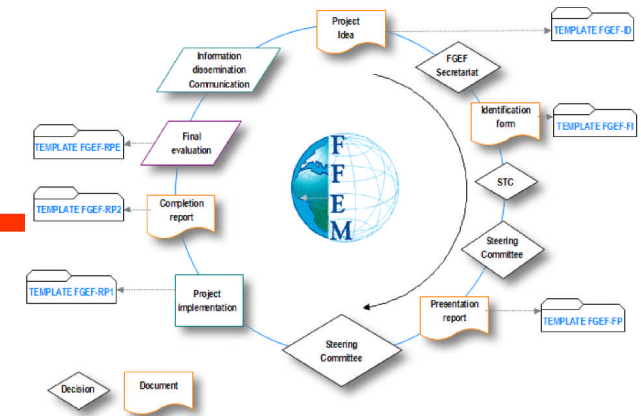


WHAT is FFEM

- **The FFEM (FGEF) is a bilateral fund which was set up in 1994 by the French government following the Rio Summit.**
- Aim to promote protection of the global environment in developing and transitional countries.
- Promote global environment through projects for economic and social development. It subsidises projects in the following areas to help preserve the main factors of global equilibrium:
 - biodiversity
 - climate change
 - **international waters**
 - land degradation
 - persistent organic pollutants (POPs)
 - the stratospheric ozone layer



The FFEM project cycle



■ Pre-identification :

- member institution - secretariat - promoter.

■ Identification

- Preparation of an identification note by one of the institutional partners, with the potential beneficiary;
- Opinions given of the scientific and technical committee and the FGEF secretariat;
- Authorization from the steering committee to launch ex-ante project appraisal.

■ Ex-ante appraisal

- Detailed definition of the technical, economic and institutional conditions for project implementation and of the points for application of funds on the basis of project's feasibility, logical framework and presentation project

■ Commitment

- Approval of the project by the steering committee, opinions given by the CST and the Secretariat;
- Authorization from the Secretariat to commit the corresponding funds.

■ Implementation



FFEM project eligibility criteria

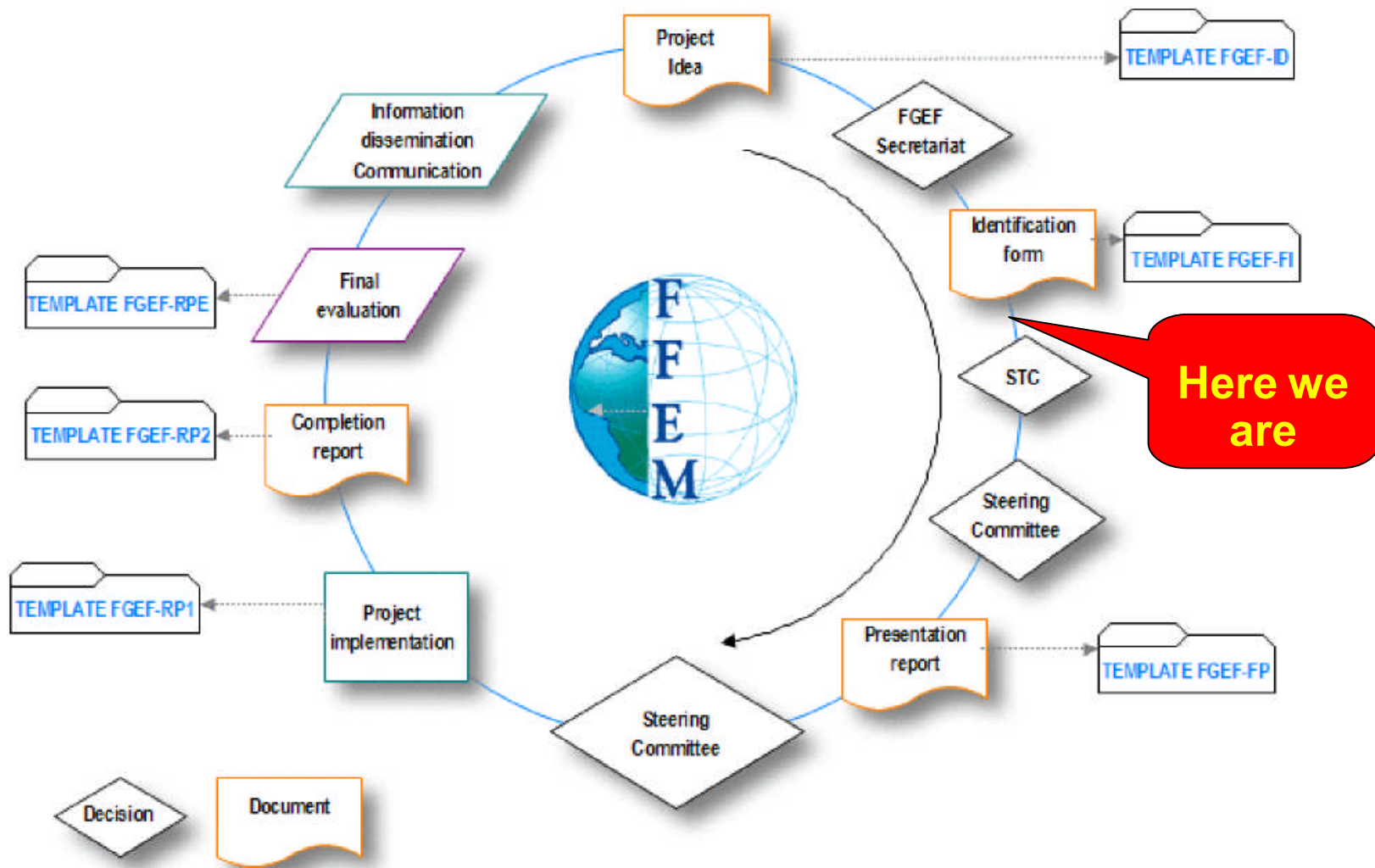
- **Eligible projects must:**
 - **Have a significant impact on the global environment;**
 - **Contribute to the economic and social development of beneficiary countries and populations**
 - **Innovate and produce effects that are demonstrable and reproducible**
 - **Produce social, institutional and economic effects that endure beyond the project's lifetime**
 - **Be implemented by an effective organisation**
 - **Receive a majority share of funding from other agencies (including local agencies), with the FGEF providing complementary funding**





Present project proposal status

- **Pre-identification** presented by the MEEDAT (French Ministry of Environment) to the French Global Environment Fund, and **approved**
- Identification document defined in collaboration between
 - the Secretariat of the Water Convention,
 - IWAC
 - International Office for Water
- **Next steering committee in July for decision**
- If approved project report to be prepared and presented to next steering committee in November
- If approved project starting expected in January 2010





Characteristics of the proposed project



Main characteristics

- **Title/ Amount/Duration**
 - **Title: “Capacity building in data administration for assessing and monitoring transboundary water resources in the countries of Eastern Europe, the Caucasus and Central Asia (EECCA)”**
 - **Maximum amount :1 000 000 €**
 - **Planned duration: 2 years**



Main objectives

- **To build capacity in data administration within the main national and regional authorities concerned with transboundary water management.**

- **Through developing production and sharing of homogeneous information, provide support for**
 - **Transboundary water resource management policies, actions**
 - Preparation of the second and future assessment of transboundary waters carried out under the Water Convention
 - Aims to assess both the state of the shared waters, and the efficiency of measures taken to deal with transboundary impacts.



Proposed action plan

■ Focus on

- **Building up capacity to identify existing data,**
- **Developing the production and sharing of homogenous and consistent information** necessary for water resource management, whether at national and local level, or for regional assessments.

■ 3 components:

- **Component 1: Preliminary phase** for selecting the 2 transboundary basins and confirming partners' commitment
- **Component 2: Actions undertaken in the 2 pilot transboundary basins in liaison with the main national and local authorities in countries** involved in water resource management
- **Component 3: Actions undertaken at regional level**



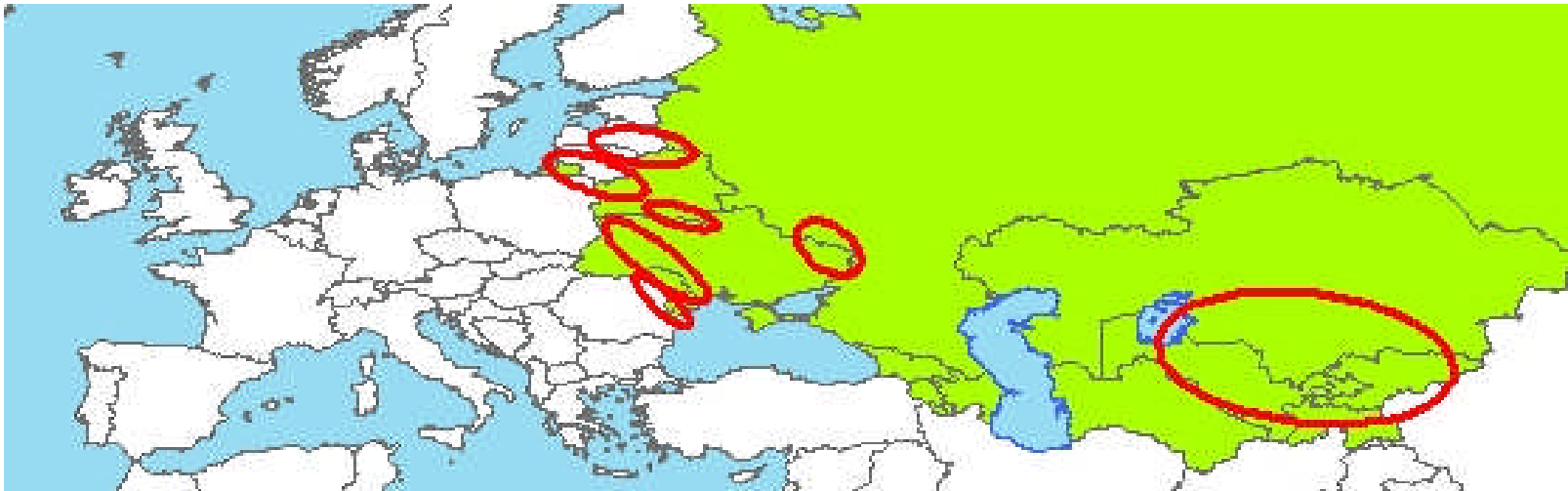
Component 1: Preliminary phase

- What:
 - Preliminary phase to select 2 pilot transboundary basins
- How
 - Analyzing the 7 pre-selected basins
 - Choosing the 2 pilot basins
 - Confirming partners' commitment, with possible adjustments to the project's objectives for the 2 basins.
- Who
 - Component led by the Secretariat of the Water Convention



List of the pre-selected basins

- Daugava (Russian Federation – Oblast - Belarus, Latvia)
- Neman (Belarus, Lithuania, Russian Federation - Kaliningrad)
- Pripjat (Belarus, Ukraine)
- Seversky Donets (Russian Federation, Ukraine)
- Dniester (Ukraine, Moldavia)
- Prut (Moldavia, Romania, Ukraine)
- Transboundary waters of Central Asia (Kirghizstan, Kazakhstan, Uzbekistan, Tajikistan, Turkmenistan)





Component 2: actions in 2 pilot transboundary basins

■ What

- **to build up administration and data sharing capacity in the 2 pilot basins**, using methods that can be replicated in other transboundary basins in the EECCA region.

■ Who

- **Project team in liaison with the main basin, national and local authorities in countries** involved in water resource management



Component 2: how (part 1/2)

- Working in each of the 2 pilot basins on
 - **Strengthening the cooperation environment between concerned institutions** for the administration of data and information that is useful for managing the basin.
 - draft “**management plan for water data on the basin**”;
 - Support to the **development of tools to be used by the main partners for the administration of data**
 - Defining and adopting **common rules** for producing metadata
 - Setting up **tools for managing metadata** (e.g. servers and software) on each basin, and/or at national level, depending on the case, and developing a metadata catalogue
 - Identifying and **supporting the development of complementary tools** (e.g. servers, databases/GIS, depending on the means available) for use by target partners, with the aim of building data exchange capacity on identified priority themes.



Component 2: how (part 2/2)

- **Procedures and tools for sharing information and data**
 - Developing and adopting **common rules for sharing data** that respect the rules of confidentiality defined by the data producers
 - Case-by-case characterization of the **exchange scenarios** and exchange procedures
 - Reinforcement of **system interoperability**, both semantic (common language, common frames of reference) and technical angle (i.e. format and exchange procedures), to limit the manipulation of data during exchanges
 - Implementing of **exchanges on priority themes**, including setting up the first cartographic web services.

- **Support for producing the sought-after information during local water resource management processes**
 - Stipulating **which information to produce** to meet with management needs
 - **Support in the production** of maps, statistics, progress reports and indicators sought after.



Component 3: Actions at regional level

■ What

- Component 3 groups together regional-level actions.
- aim to organize a first regional catalogue promoting metadata and information produced by the 2 pilot basins, as well as to disseminate results on the project to other transboundary basins and countries in the EECCA region and receive feedback.

■ Who

- In collaboration with IWAC



Component 3: Actions at regional level

■ How

- Creating and setting up a **regional metadata catalogue** (server software) hosted on a server at IWAC
 - single point of entry for identifying all or part of the data described in the pilot basins' metadata catalogues, plus other national or regional catalogues
- Producing and disseminating **leaflets presenting the policies and techniques of the project's results**
- Organizing a **side event during the “Environment for Europe” ministerial conference** planned at the end of 2011 in Astana (Kazakhstan), to present progress on the project and potential uses for the results in other regions
- **Other communication initiatives**, in particular for **disseminating results** internationally and promoting procedures to other transboundary basins in the EECCA region.



Draft time schedule

Activités	Année 1				Année 2			
-C1: Preliminary phase								
- Identification of basins								
- Confirming partners' commitment, with possible adjustments to the project's objectives for the 2 basins.								
C2/ Reinforcing capacities on 2 pilot basins								
- Reinforcing inter institutional collaboration between institutions for data administration								
- Support to the development of tools								
- Setting-up of procedures and tools for sharing information and data								
- Support for producing the sought-after information during local water resource management processes								
C3/ Regional level actions								



Expected outputs



Expected outputs at basin/national level

- **Strengthening institutional cooperation network** for managing data on water
- Production of **guideline document** along the lines of a “water data management plan”, approved by the various partners involved
- Setting-up of a **metadata catalogue** of data sources used to manage transboundary waters, with direct input from the actual producers where possible
- Identification of the principle data-management partners’ **needs for capacity building in data administration**, with implementation of priority reinforcement operations
- Definition of **rules to share data**, with respect for conditions of confidentiality
- The development of **tools and technical procedures for sharing data** and their application on some priority topics
- **Support for the production of information** useful for assessing transboundary waters, and improved quality of previously produced information



Expected outputs at the regional level

- Setting-up of a first **regional-level metadata catalogue** with a particular emphasis on information collected on the 2 pilot basins;
- Organization of **events** and development of policy-based and technical information media,
- **Exchange of experience** with regional and national authorities involved in managing transboundary waters in other basins in the region.



Collaborative tools for data/information exchange

■ Web portal

Portail de la "Convention of the Protection and Use of Transboundary Watercourses and International Lakes" pour les pays EECCA - Mozilla Firefox

http://www.aquacoope.org/UNECE

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Portal of the "Convention of the Protection and Use of Transboundary Watercourses and International Lakes" for EECCA countries
Portal for demonstration (prototype under development)

About Water Convention | Transboundary Basins | Thematic Information | National Data & Info | Regional Data & Info | Procedures And Tools | Metadata Database | English

Quick access about Home

About water convention
Transboundary basins
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Metadata database

86.69969, 35.4523

EVENTS CALENDAR

June 2008

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16 17 18 19 20 21 22
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■ Tool for metadata catalogue management

GeoNetwork- The portal to spatial data and information - Mozilla Firefox

http://81.255.115.229/mbunee/srv/en/main.home?e

page default OIEAUDCI

Convention on the Protection and Use of Transboundary watercourses and international lakes
Metadata catalogue(prototype)

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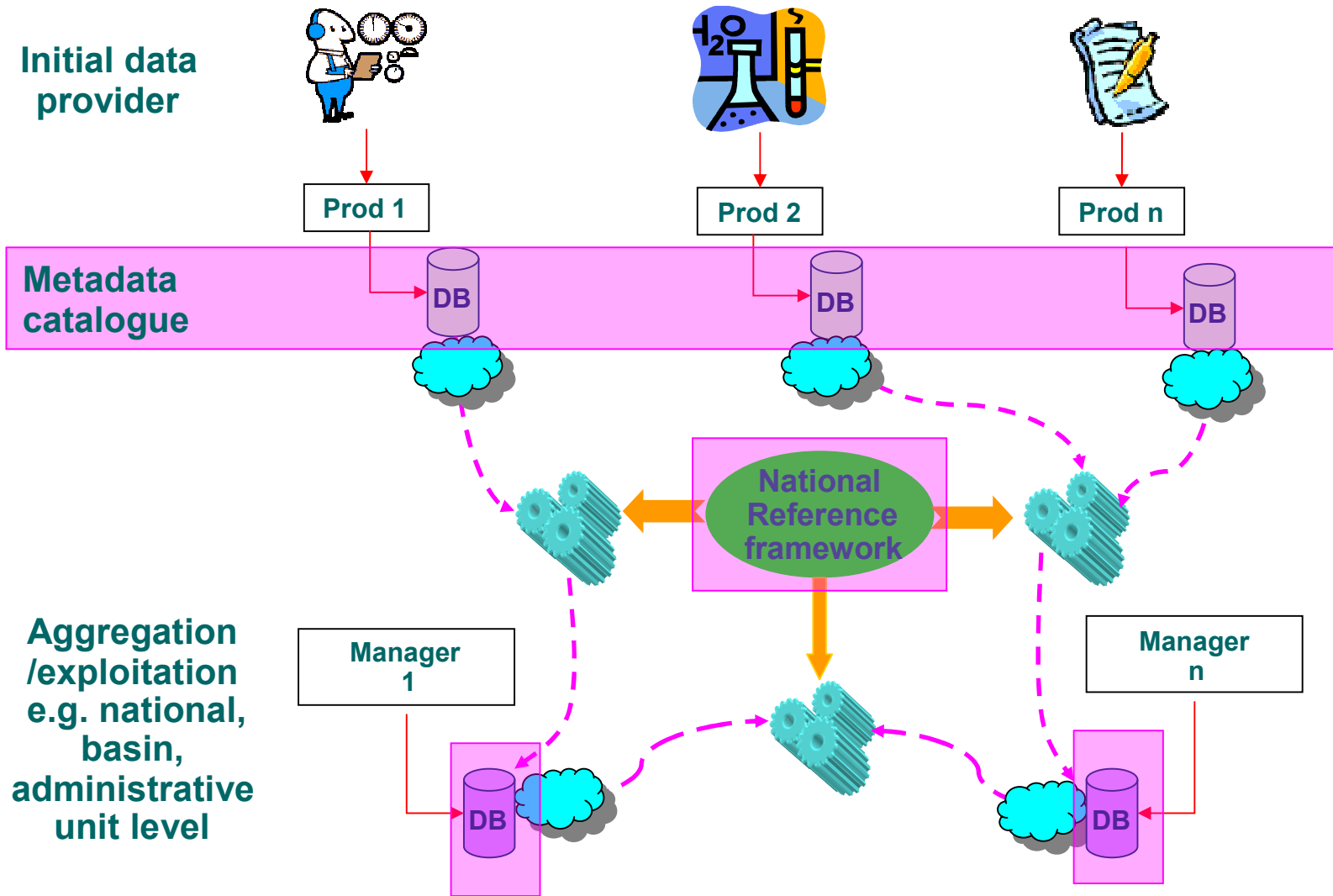
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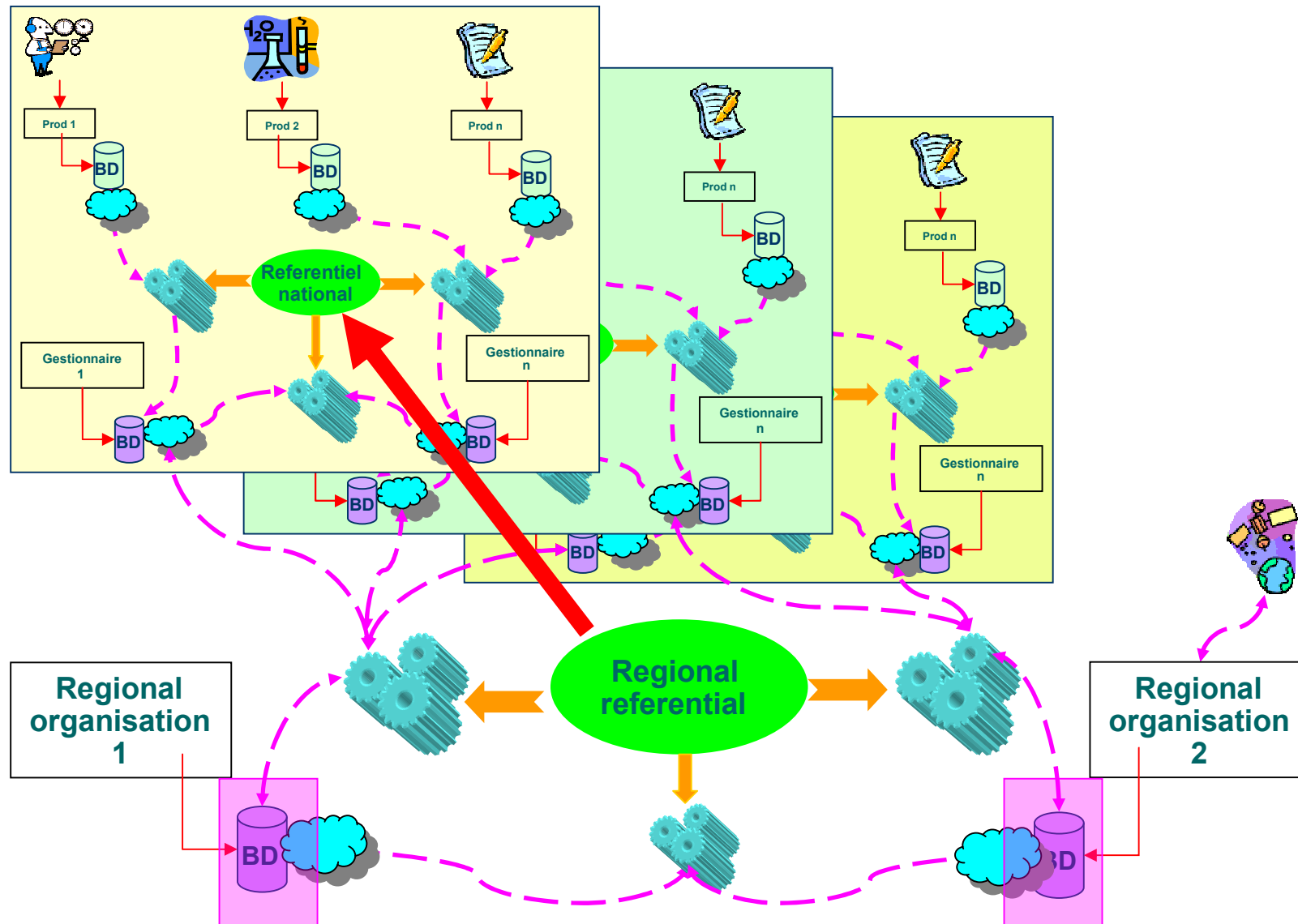


Scenario for data exchanges at national level (example)





Example of exchange scenario at regional level





- The Working Group is invited to comment on the proposal and advise on its future implementation.
- In particular countries sharing the basins which have been identified as potential pilot basin should express their interest in participating in the pilot projects and their possible contribution to it.



**Thank you
for your attention**

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