Mediterranean Water Knowledge Platform

Presentation and progress of the Mediterranean Water Knowledge Platform

Presented by
Mr. Eric MINO
EMWIS Technical Unit

19-20 October 2017, Barcelona, Spain

Outline content

Quick reminder on the history

What was done

- National level
- Regional level

Implementation challenges identified so far

Background

Euro-Mediterranean Ministerial meeting on Environment, 2006:

Building integrated National Environmental information systems

UfM Ministerial declaration on water, Dec'08:

Strong focus on water information

Mandate of the UfM secretariat to provide a direct response to this Ministerial request

1st consolidated concept note end 2012

Shared vision with Med countries and regional initiatives: Arab League, EEA, UNEP-MAP

Joint proposal for UfM labelisation end 2013:

Supporting the development of *interoperable* NWIS for IWRM and easier Med reporting

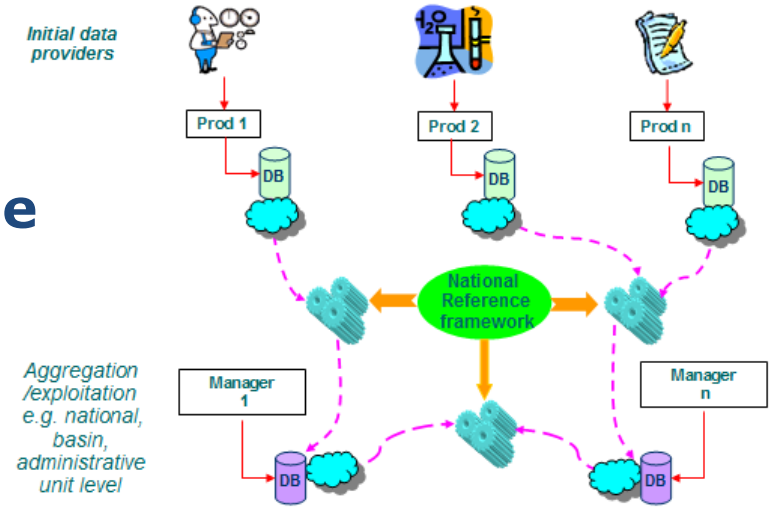
White papers on IWRM: using data & identifying gaps

UfM label in April 2014 for project phase 1

Mediterranean Water Knowledge Platform

Vision for the Future

- Water actors **produce information at local level** for their own needs using **international standards**
- They use tools to **register data and to do their own job** at the same time
- The registered data is available for others via harmonised interfaces, internet technology and **homogeneous referencing system**
- Water resources management planners, water regulators and reporting obligations **use the same raw** or aggregated information provided by **National Water Information Systems**



Policy context

- **5+5 Water strategy and action plan**

  Algiers, Marrakech
- **UfM Water Agenda**

  Malta, May 2017
- **Solution for climate change adaptation**
  - MedCop 21 & 22
  - Water and Climate conference, Rabat, 2016
  - COP22, Marrakech 2016
- **Depolluting the Mediterranean Sea (H2020)**
- **Sustainable Development Goals**
- **World Water Data Initiative**

Technical drivers

- **Earth Observation and Global Monitoring Environment System (GMES)**
- **Water Information System for Europe (WISE)**
- **Shared Environmental Information System (SEIS)**
- **Spatial Data Infrastructure (INSPIRE)**
- **System of Environmental-Economic Accounting for Water (SEEA-W)**
- **International standards (ISO, OGC, W3C)**
- **Open (public) data**
- **Big data technologies**

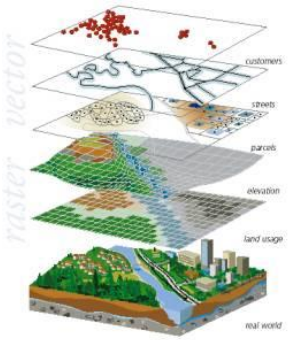
Objectives of the platform

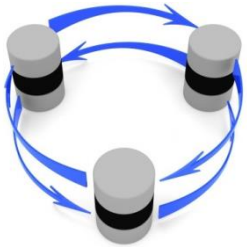
Improving Integrated Water Resouces Management planning and fostering its implementation:

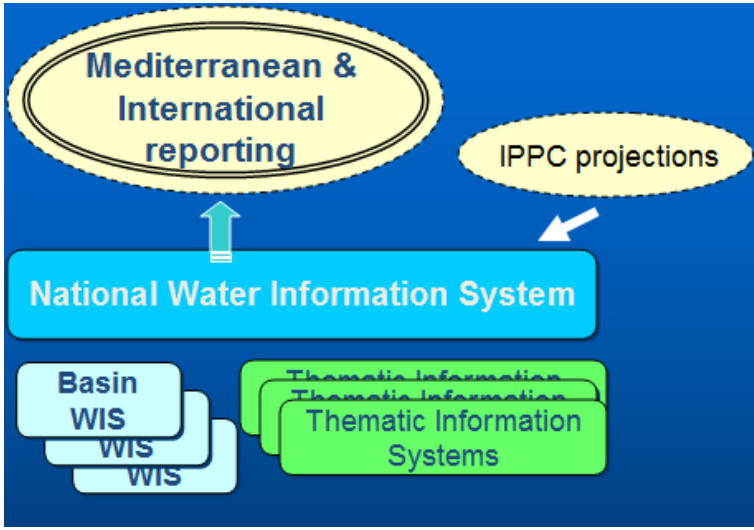
- A common approach for developing National Water Information Systems
- An assessment of water resources and use

Better knowledge for Climate adaptation and mitigation

- **Organising data sharing and management in each country**

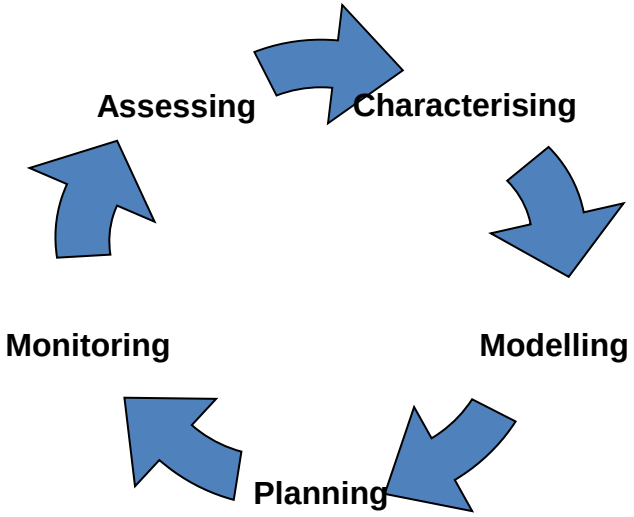




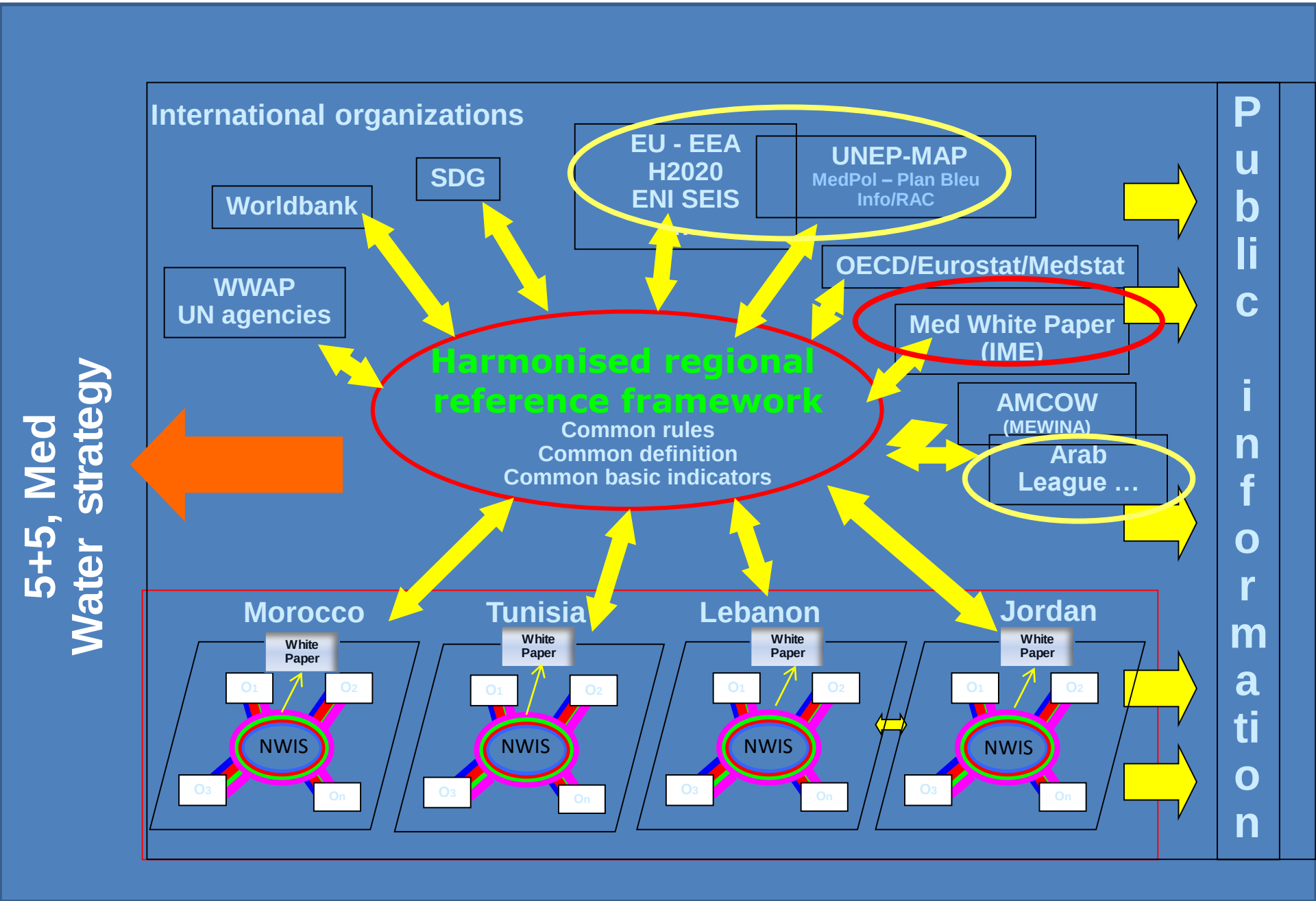


- **Building capacities for monitoring, evaluation, planning**

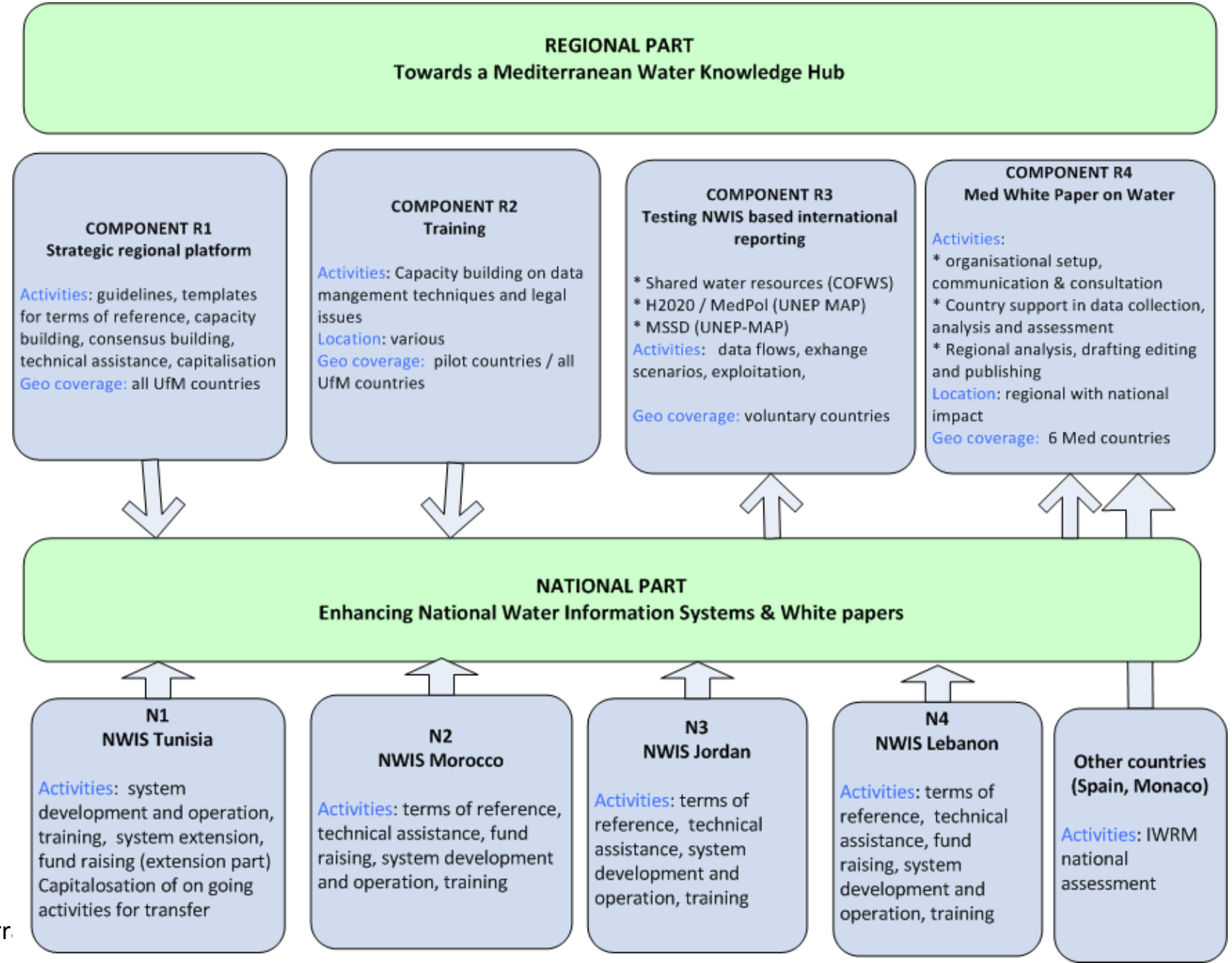
- **Exchange of experiences**



Data management from local up to international levels



Main components



Mediterr

Progress overview

Very limited funding for regional activities

- Almost no regional support activities
- No coordination / support for new countries

Committed funds prior UfM label for pilot countries:

- 3 NWIS implementation launched

Progress
National components

Lebanon:

Inauguration of the Information and training center
FAO Funding for feasibility study

Jordan

Definition study completed in 2015
Implementation underway (EU bilateral funds)

Morocco

Definition study completed in 2015
WIS integrated into new water law 36-15
National WIS working group launched (supported by EU twining project)
1st implementation launched (national funds)

Tunisia

Implementation phase 1 completed (financed by African Water Facility) – Dec. 2016
Regional presentations to all stakeholders ongoing
Institutional study going on

Progress - Regional components

Fund raised for 2017

FPA2-Monaco

French Ministry of Environment, Energy and Sea

UfM secretariat

Communication / Awareness raising:

MedCOP21/22, UNFCC COP21/22, World Water Forum

Coordination:

5+5 Water Strategy for Western Mediterranean

SWIM-H2020 Support Mechanism,

ENI-South SEIS,

Center for Mediterranean Integration (World Bank, AFD, GIZ)

Progress - Regional activities done

Common IWRM indicators among 4 pilot countries (with Plan Bleu, 2014)

Technical training workshop, 14-16 June 2017, Sophia Antipolis

Data session at SWIM-H2020 training workshop on decentralised water management, July 2017, Brussels

Institutional study for Tunisian NWIS (SINEAU) - 2017

Data needs/availability (with EC-JRC) - 2016

For Water Energy Food Ecosystem alliance analysis in Morocco

Enabling legislation fostering water information systems – 2017

- Additional inputs required from countries

Implementation challenges

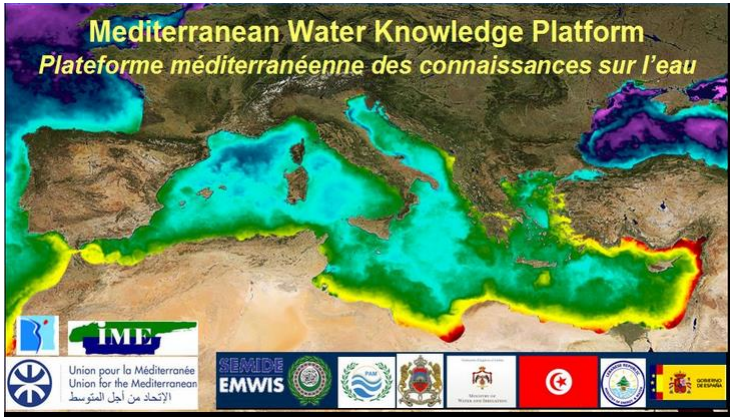
- **Governance:**
  - Multidisciplinary governance at national level
  - Sustainable financing of NWIS and contributing systems (thematic systems)
  - Keeping the momentum with the stakeholders during the (long) implementation process
- **Content:**
  - Integrating data management into planning and investment (i.e. defining data priorities based on water priorities)
  - Developing shared information products for decision making
  - Streamlining international reporting
  - Public data access (open data)
- **Infrastructure**
  - Technical capacity for managing ICT subcontractors: Terms of Reference, validation of system specifications, validation software application against agreed specifications

➢ **Stronger regional support would be beneficial**

Mediterranean Water Knowledge Platform

www.semide.net/initiatives/MWKP

Eric MINO
e.mino@semide.org
www.semide.net



With the support of the French Ministry for Environment, Foundation of Prince Albert 2 of Monaco, Sweden

Preliminary list of IWRM indicators
(Plan Bleu 2014)

Water withdrawals by sector
Water Exploitation Index Total area equipped for irrigation
Access to drinking water (urban, rural, total)
Treated wastewater as a share of total wastewater produced
Non conventional water resources as a share of total water used
Non revenue water
Surface equipped with modern irrigation systems
Surface water quality
Standard Precipitation Index (SPI)
Existence of a coordinating inter-ministerial body
Existence of a Water Information System
Monitoring stations at catchment level