

# EMWIS-NWIS12

Consultancy Service for the  
Technical and financial feasibility studies of  
the **National Water Information Systems**



Rome 25 Nov 2005 - **Findings** - Dr. J.M.Barrat

EMWIS-NWIS12

## Consultancy Objective

*Overall Objective:*

*To assess the current situation of National  
Water Information Systems in 12*

*Mediterranean countries*

*To recommend actions to enhance NWISs*

## Current Situation on NWIS

### *Findings*

- *NWIS not developed but in Algeria*
- *Tunisia NWIS in a study phase*
- *Cyprus NWIS will start in Dec05*
- *Morocco has a WIS → NWIS*
- *Turkey, Israel, developing a WIS*
- *All are willing to establish a NWIS but...*

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### Current Situation on NWIS (cont'd)

#### *Obstacles*

- *Lack of Information about NWIS benefits*
- *Data exchange is difficult internally*
- *Sensitive Data*
- *No policy for data access & sharing*
- *Mentality: “Sharing = Less Power”*
- *Lack of Communication among SHs*
  - *(Most of the SHs met for the 1st time during the project)*
- *Need Technical & Financial support*
- *Getting the Political decision*

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### Lack of Info about NWIS

#### *Benefits*

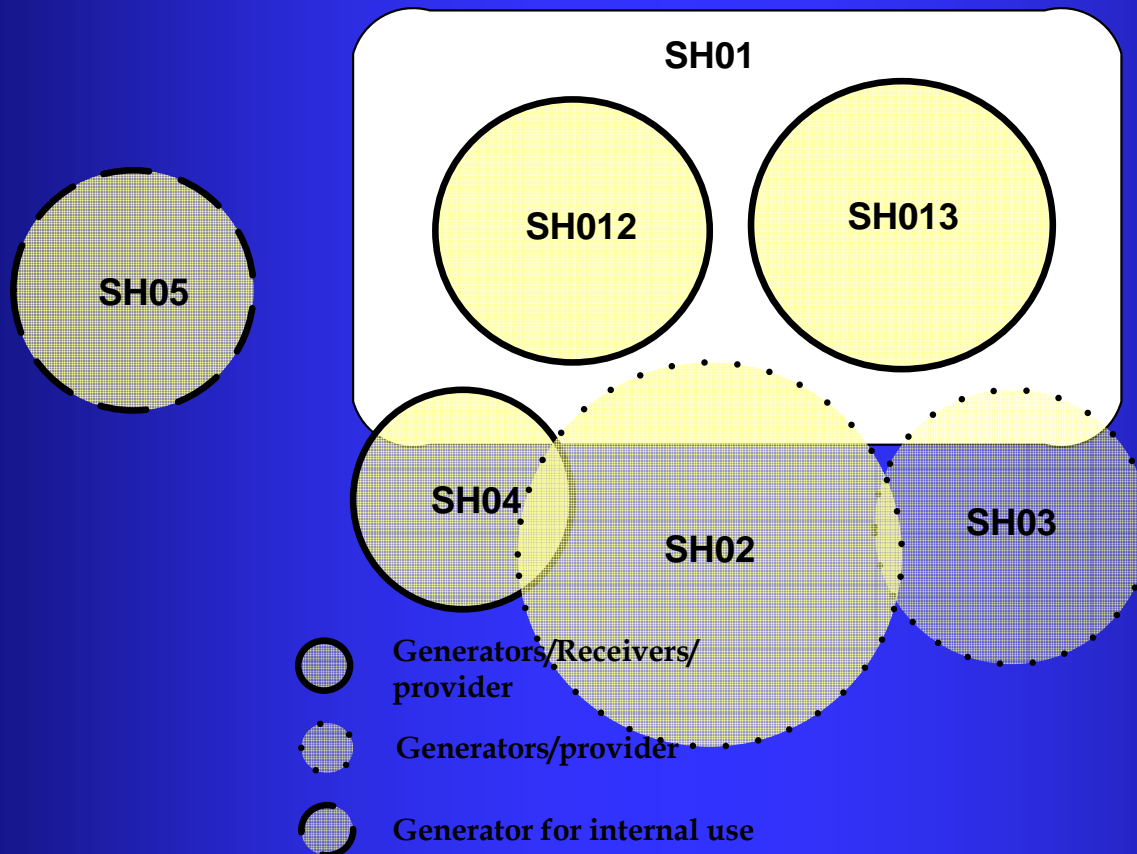
- *Harmonise Data and S.O.Procedures*
- *Ease & Speed up Data Exchange*
- *Improve public access to data & information*
- *Facilitate communication among SHs → →→*
- *→ NWIS= forum for discussion on water policy →→*
- *=> Enhance Water Governance*

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## Relationship between the Stakeholders

### *Venn Diagram*

- *Data exchange is difficult internally*

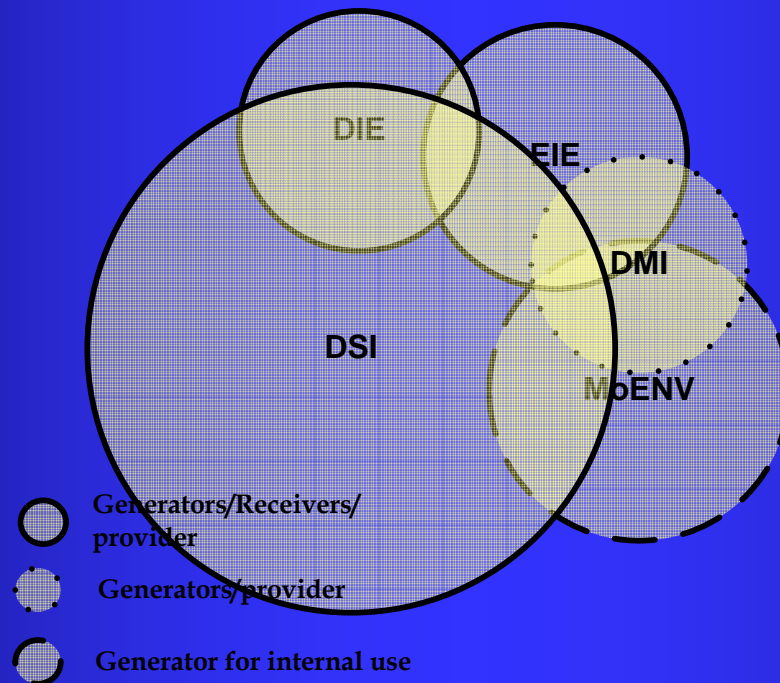


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## Relationship between the Stakeholders (cont'd)

### *Venn Diagram*

- *One Stakeholder is overwhelming*

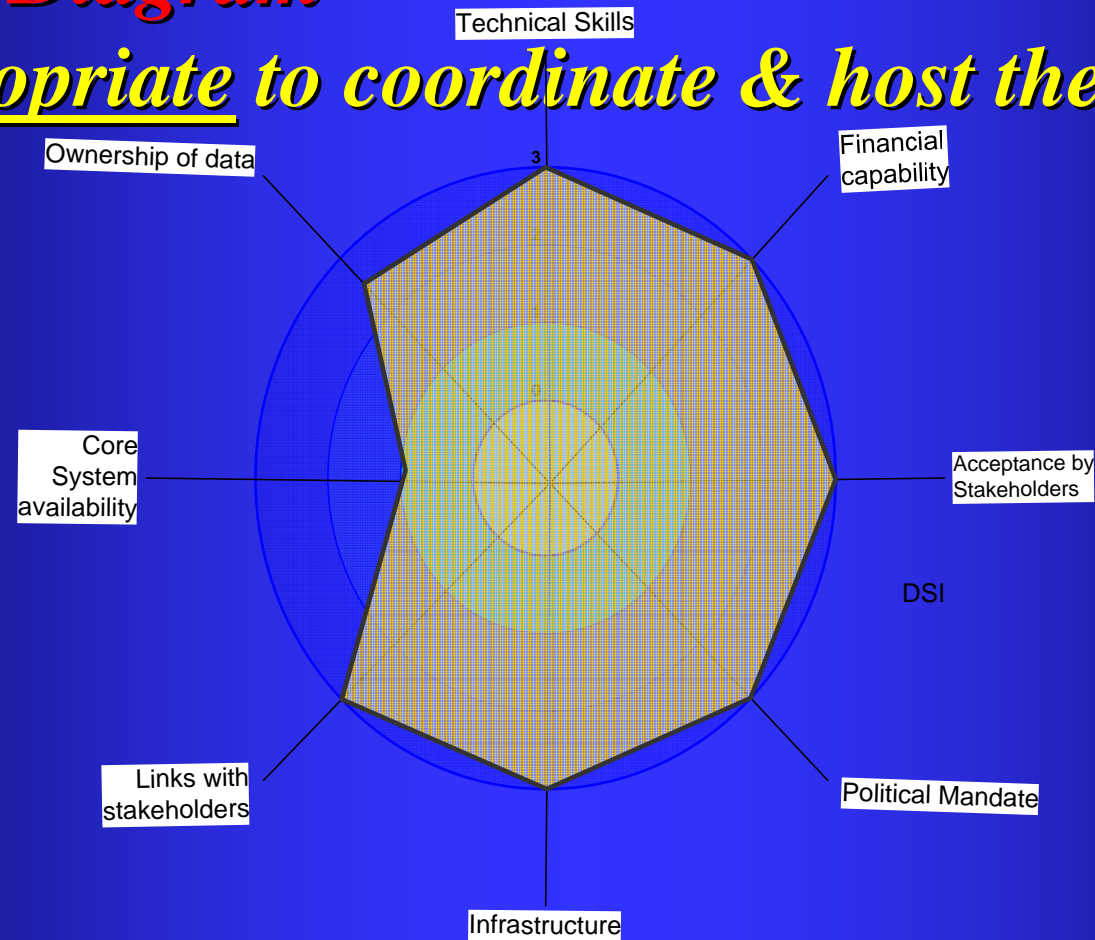


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## Assessment of NFP

### *Spider Diagram*

- Appropriate to coordinate & host the NWIS



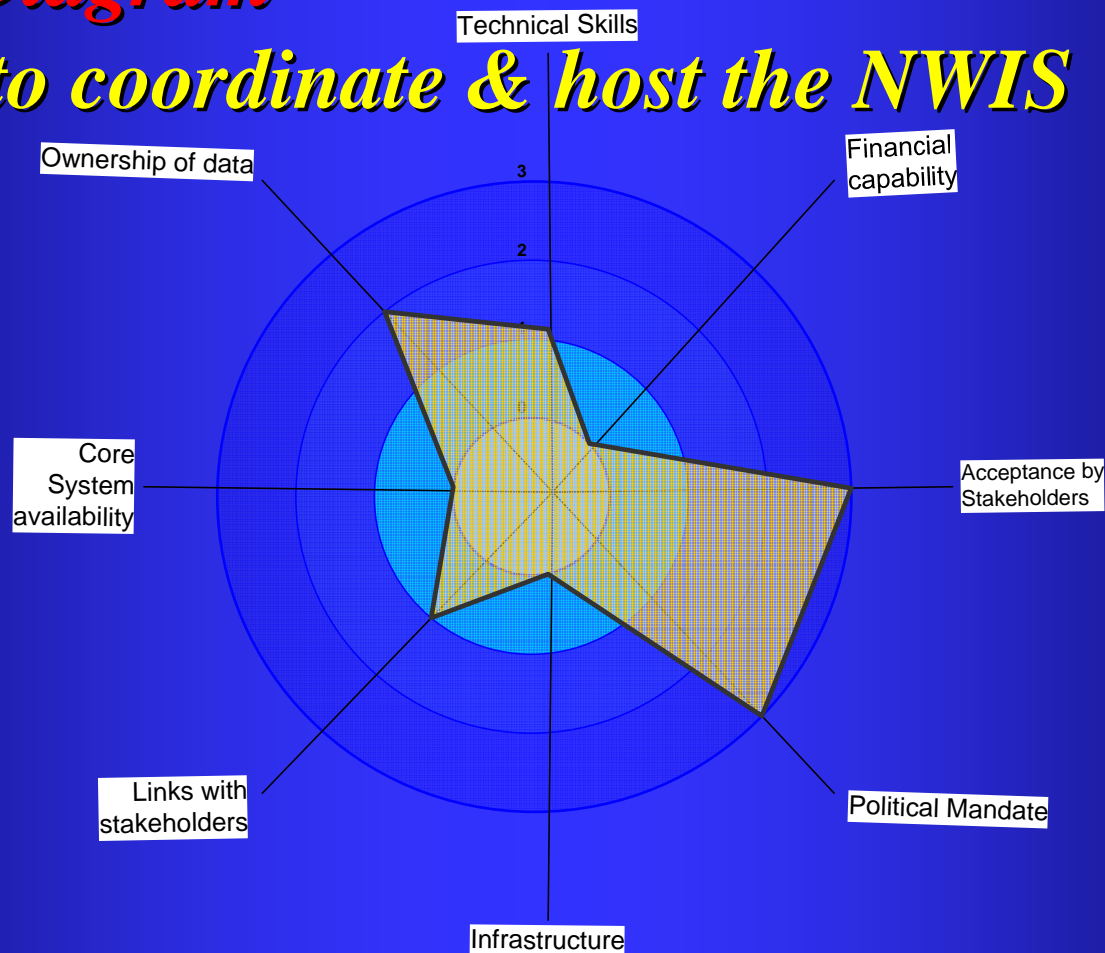


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## Assessment of NFP (cont'd)

### *Spider Diagram*

- Weak to coordinate & host the NWIS

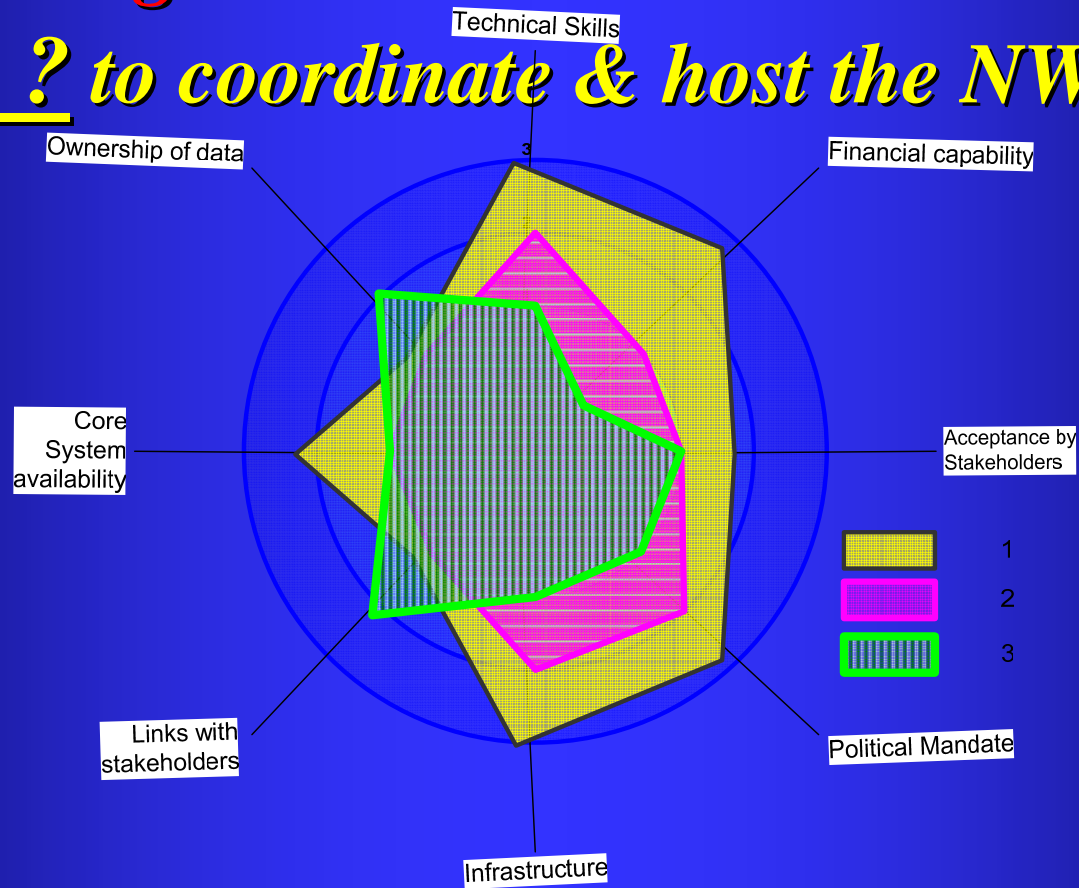


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## Assessment of NFP (cont'd)

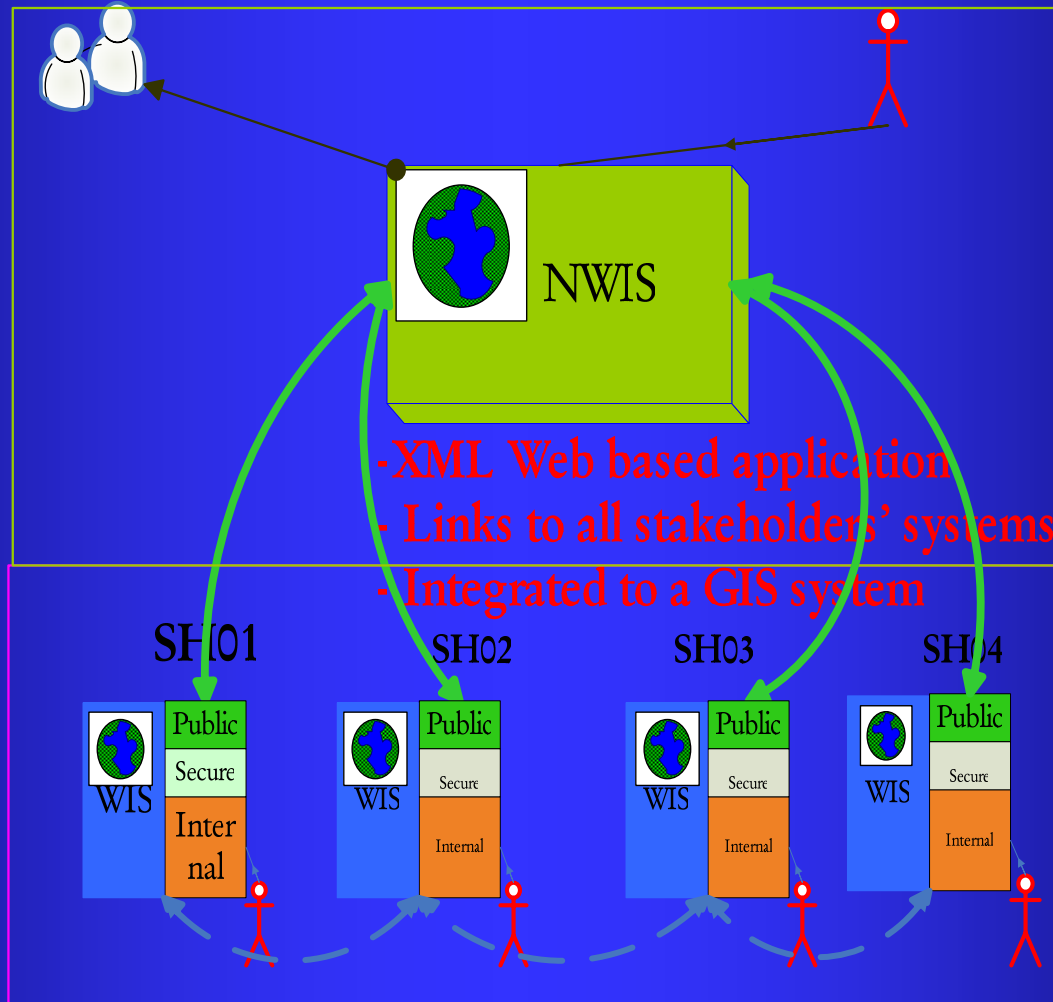
### *Spider Diagram*

- Who ? to coordinate & host the NWIS



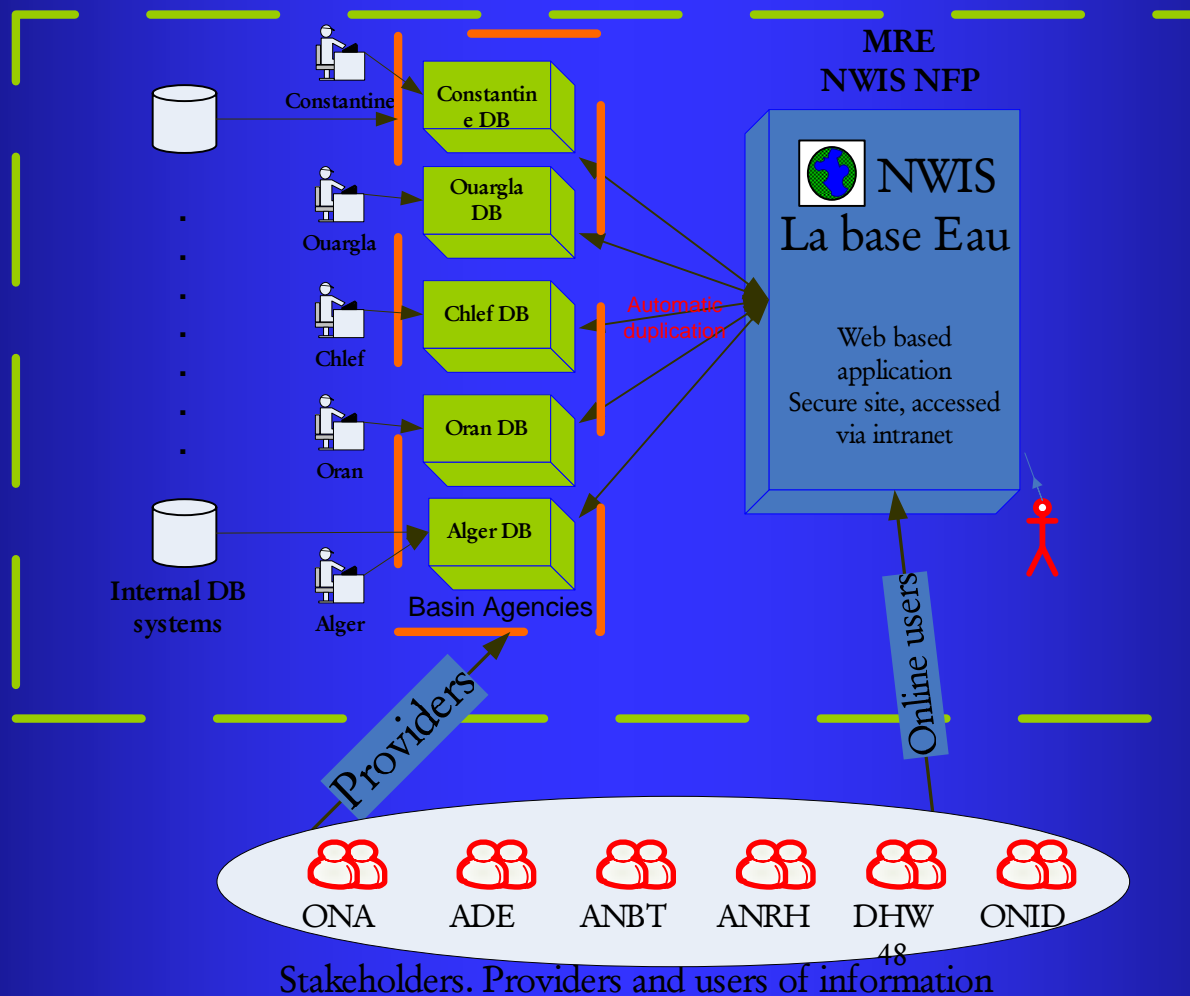
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## Envisioned NWIS



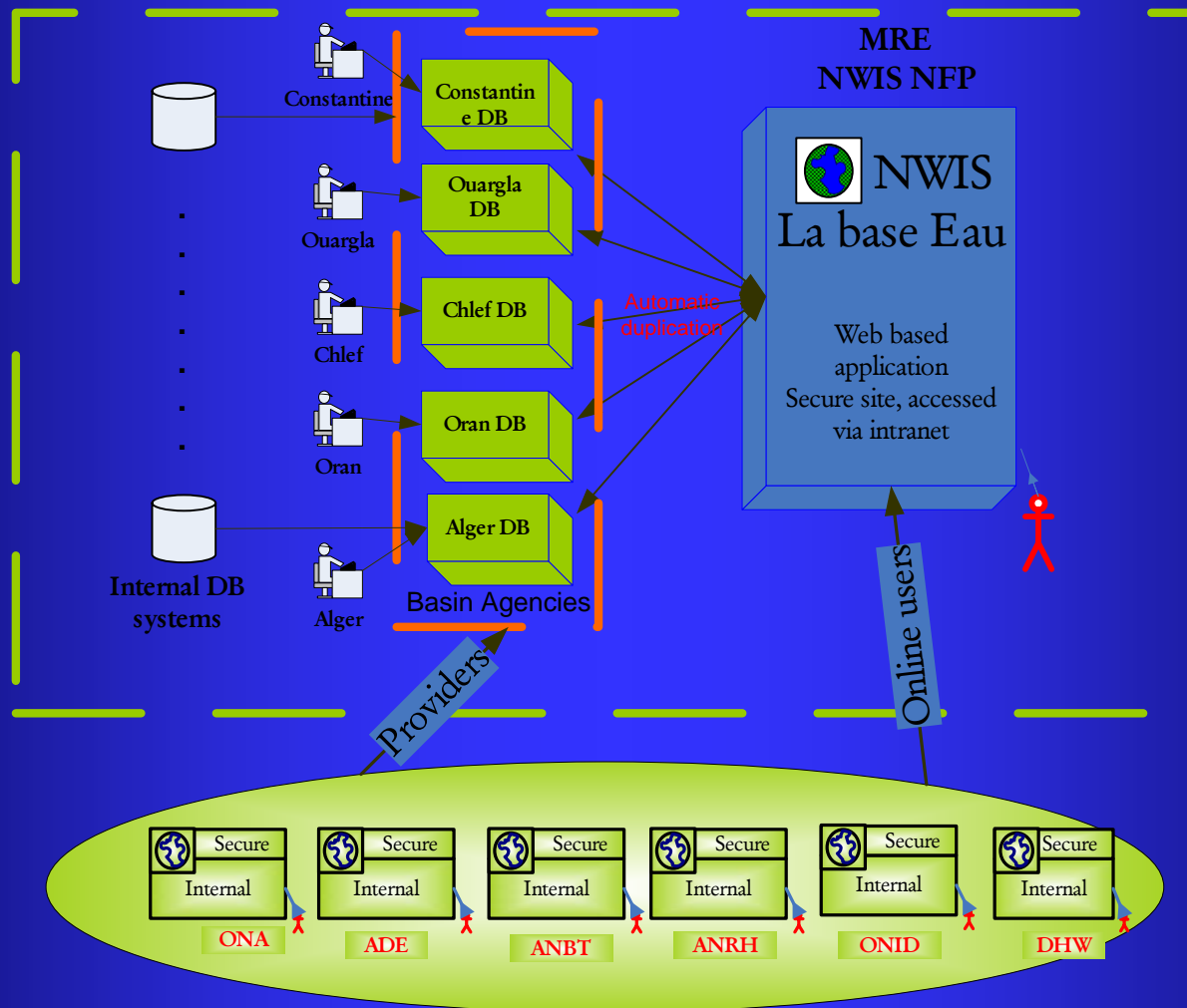
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## Algerian NWIS



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## Algerian NWIS next step



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# Road Map

### *To Establish a NWIS:*

- *Start Awareness Campaign among SHs*
- *Get decision makers approval on NWIS concept*
- *Set up NWIS Committee*
- *List data to exchange, confidentiality and privilege*
- *Secure funds for NWIS development, O&M*
- *Detailed study for the technical design of NWIS*
- *Implementation of NWIS and WISs*

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## Budget & Timeframe

### *To Establish a NWIS:*

- *Budget rough estimate: €250,000*
- *Timing: 2 years to start with the core of the system*
- *5 years for a full implementation*