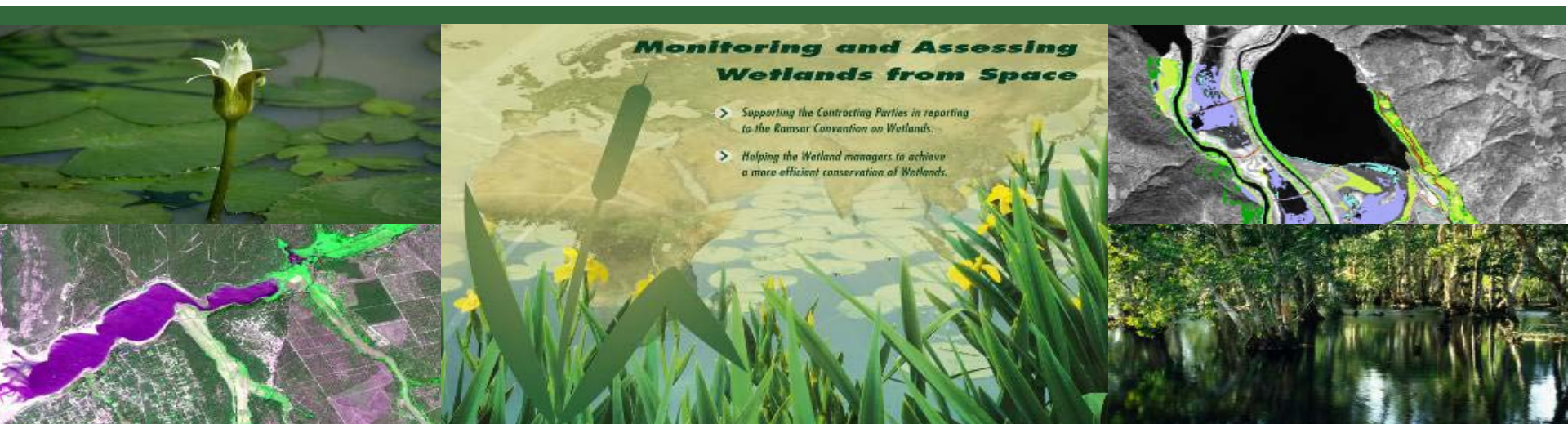
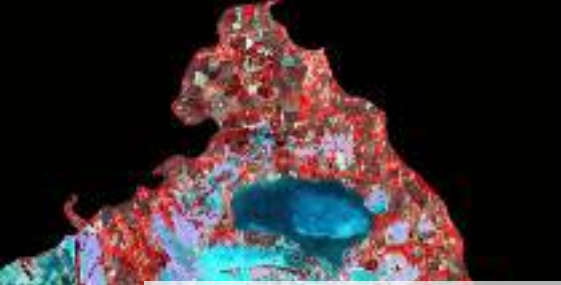


The GlobWetland II project and the Observatory of Mediterranean Wetlands



Coralie Beltrame – Tour du Valat





1. The Ramsar's commitments relative to inventories, assessment and information system

2. The GlobWetland II project

3. Benefits for the Ramsar's parties

4. The role of the Observatory of Mediterranean Wetlands

5. Necessary involvement of the Ramsar's parties



Ramsar COP-10 Resolution X.1 ***The Ramsar Convention Strategic Plan 2009-2015***

GOAL 1: Wise Use / STRATEGY 1.1 Wetland inventory and assessment

Describe, assess and monitor the extent and condition of all types of wetlands as defined by the Ramsar Convention and ...

Key Result Areas

By [2015]:

1.1.i All Parties to have completed national wetland inventories in line with the Ramsar Framework for Wetland Inventory and as far as possible to have disseminated comprehensive national wetland inventories ...

1.1.ii An easily accessible Web-based metadatabase in place, managed by the Secretariat, populated with information on all national wetland inventories, and linked to national and other international relevant databases....

Ramsar COP-10 Resolution X.1 **The Ramsar Convention Strategic Plan 2009-2015**

GOAL 1: Wise Use / STRATEGY 1.2 Global Wetland information

Develop a global wetland information system, through partnerships, to be covered by voluntary contributions, to increase accessibility of data and information on wetlands. (CPs, Secretariat, advised by STRP and assisted by IOPs)

Key Result Areas

By [2015]:

1.2.i Global wetland distribution and status data and information available through WebPortal mechanisms. (Global: STRP)

1.2.ii Global Wetland Observing System(s) reporting on changes in wetland status. (Global: STRP)

Ramsar COP-10 Resolution X.10

Future implementation of scientific and technical aspects of the Convention

High priority tasks for the STRP for the 2009-2012

4. Wetland inventory, assessment, monitoring and reporting

4.1 Status of wetland inventories

4.2 **Global Wetland Observing System (G-WOS) - development.**

YES

4.3 **Ramsar data and information needs – further elaboration**

YES

4.4 Describing ecological character – additional guidance

4.5 Harmonization of Ramsar Information Sheet (RIS) - options review

4.6 **Detecting, reporting and responding to change in ecological character**

YES

4.7 Montreux Record questionnaire redesign

4.8 **Indicators of effectiveness – operationalising the 1st tranche**

YES

4.9 Indicators of effectiveness – development of the 2nd tranche

4.10 Convention monitoring and assessment – scientific and technical aspects

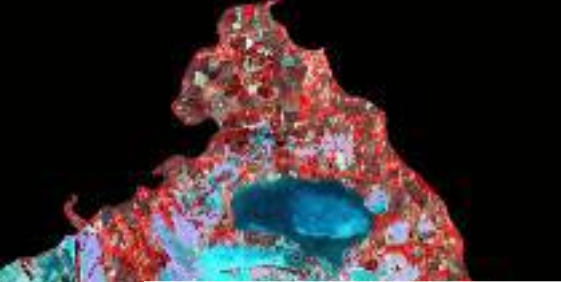
4.11 Status and trends of wetlands, including Ramsar sites - assessment

Global Wetland Observing System:

Framework of actions defined by the STRP WG on Wetland inventory, assessment and indicators

- Develop a global wetland information system, through partnerships, to increase accessibility of data and information on wetlands
- Draw on collaboration, data and analyses from relevant programs and projects

GW2 → Contribute to the set up of a **Global Wetlands Observing System (G-WOS) as per the Ramsar Strategic Plan 2009-2014, strategy 1.2.**



1. The Ramsar's commitments relative to inventories, assessment and information system

2. The GlobWetland II project

3. Benefits for the Ramsar's parties

4. The role of the Observatory of Mediterranean Wetlands

5. Necessary involvement of the Ramsar's parties





- A project from the **European Spatial Agency**
- **2 years:** from autumn 2009 to autumn 2011
- **Objective = To use Earth Observation tools to localize and monitor the main Mediterranean wetlands (G-WOS)**
- To **transfer** this know-how to local users



Geographical area



Southern and Eastern part of the Mediterranean Basin

A coastal stretch of 100 km

A project built in **tight collaboration with users**

- Ramsar Scientific and Technical Review Panel
- UNEP – World Conservation Monitoring Centre (WCMC)
- MedWet and the Observatory of Mediterranean Wetlands
- Ramsar's National Focal Points



Concretely, ...

- Max of 200 already-known wetlands to be mapped
- precision: 1:50,000 to 1:100,000 for wetlands only
- To work at 3 dates to provide trends over 30 years and not only a snapshot of the wetlands
 - ✓ 1975-1976
 - ✓ 1990-1991
 - ✓ 2005-2006



The products

Maps

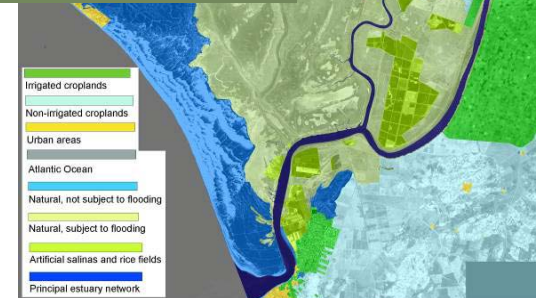
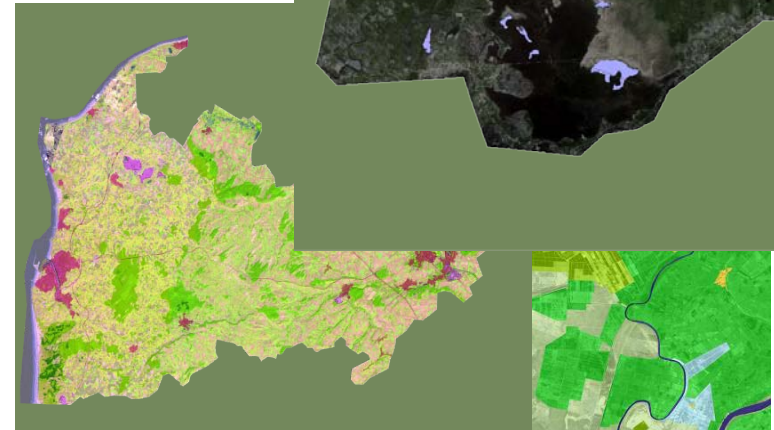
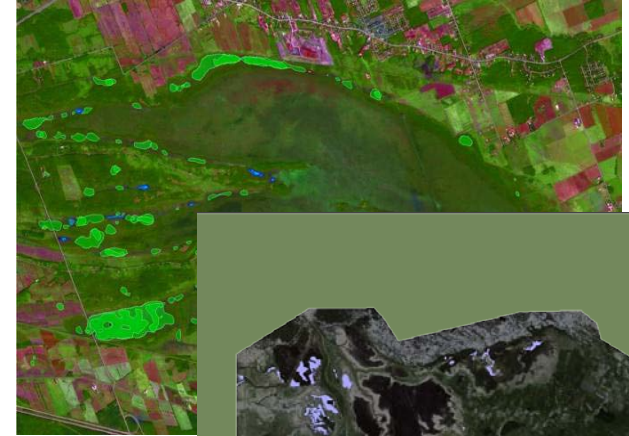
- **Land Use and Land Cover maps**, including wetlands typologies;
- **Change Detection Maps** (on Land Use / Land Cover)
- **Water Cycle Regimes** (seasonal and annual variations)

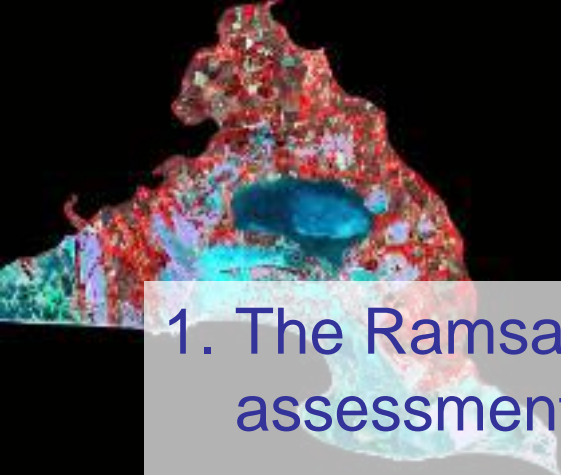
Indicators

- Ramsar Indicators of effectiveness
- Indicators of the OMW

Inventories

- Detection and delineation





1. The Ramsar's commitments relative to inventories, assessment and information system

2. The GlobWetland II project

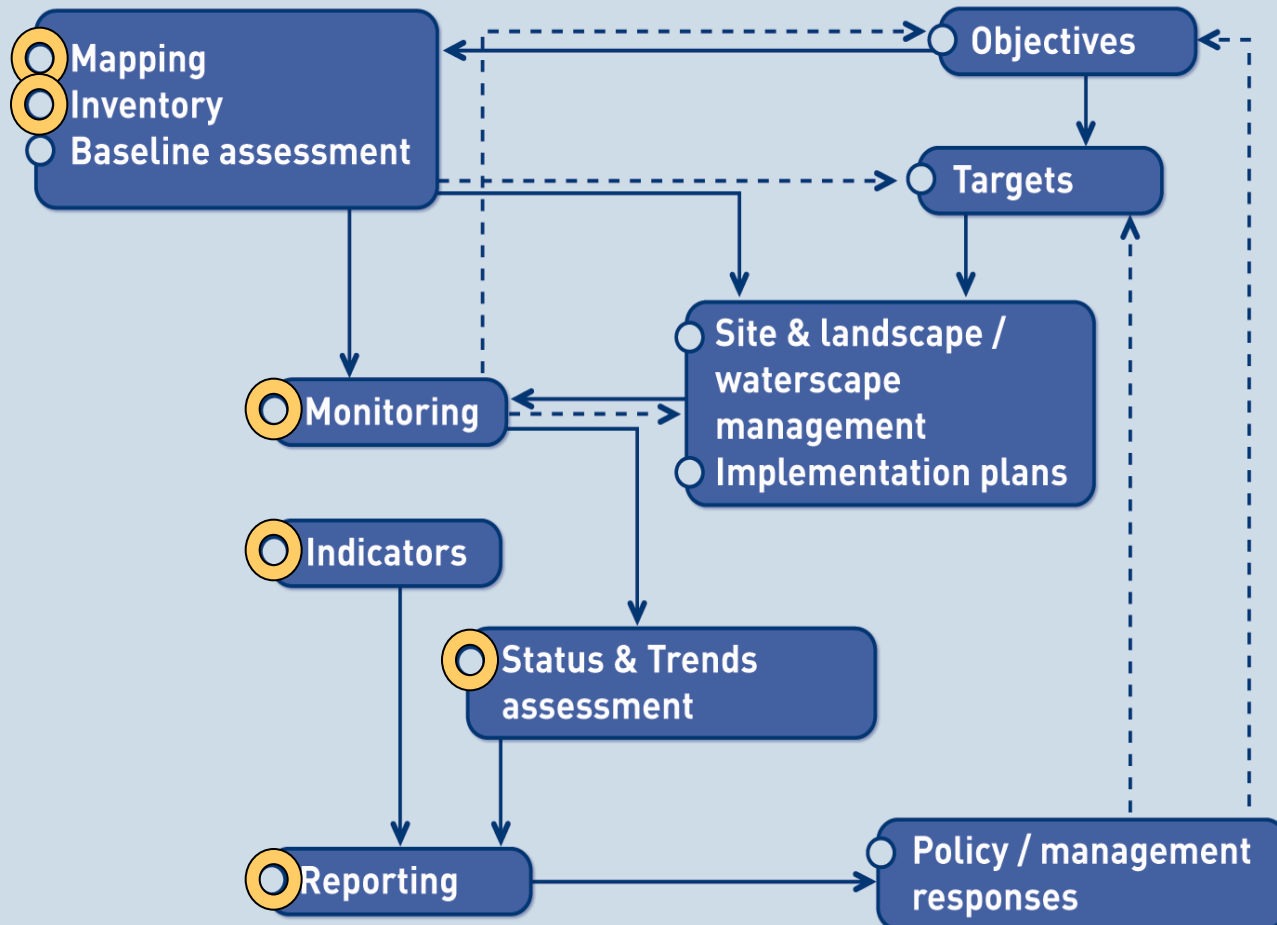
3. Benefits for the Ramsar's parties

4. The role of the Observatory of Mediterranean Wetlands

5. Necessary involvement of the Ramsar's parties



Different aspects of Ramsar implementation and the links between them

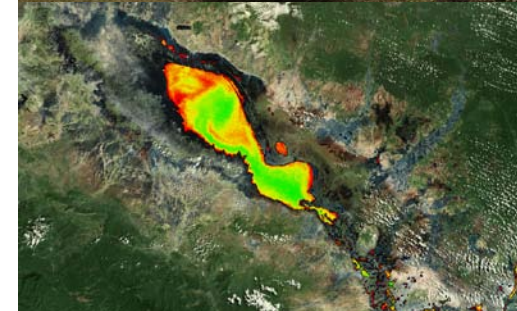




Benefits for the Ramsar's parties

Creation of a common framework for reporting to the Ramsar Convention

- Creation of standard and comparable geo-information products from country to country about the status and trends in wetlands ecological character
- Creation of a common basic infrastructure as a base for further developments
- Development of a common methodological approach for the Ramsar Contracting Parties to use EO technologies to assess and monitor the wetlands ecosystems and identify trends



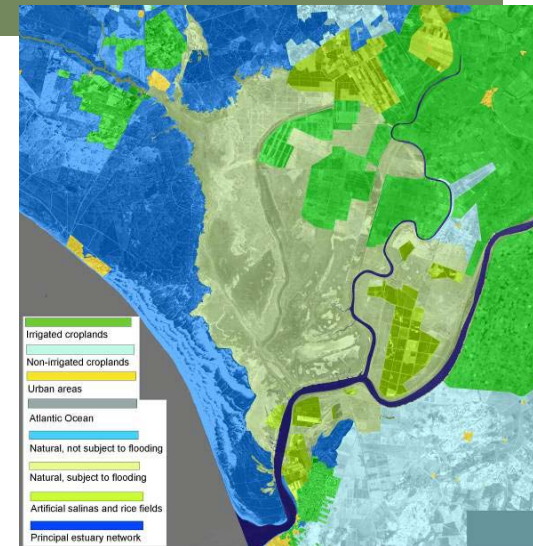
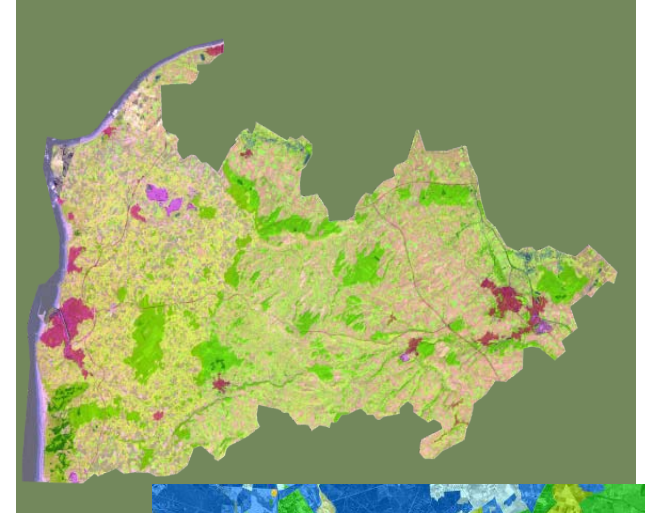


Benefits for the Ramsar's parties

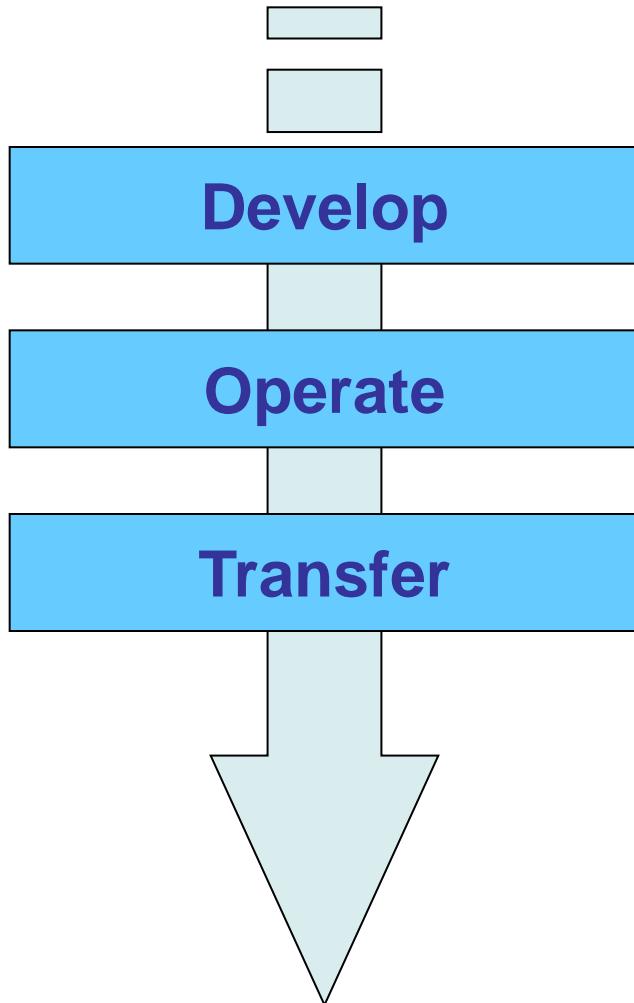
For local managers and Nature Conservancy Agencies

- Useful data derived from EO technologies on:
 - ✓ Land use and land cover
 - ✓ Wetland extent
 - ✓ Hydrological state

- Data from 1975-1976 →
 - ✓ possibility to assess the “historical” trends
 - ✓ Correlations between the state of the wetlands and the main land conversions



Transfer of the GW-II Information System

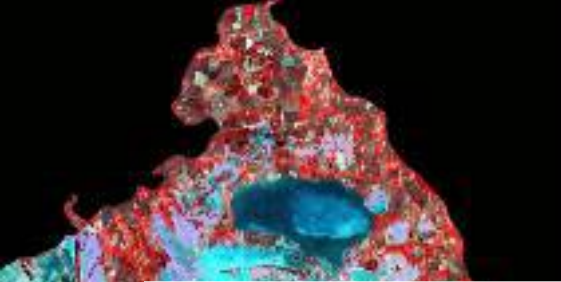


- The project consortium develops a GW-II Information System on the basis of the User requirements

- The project consortium operates the GW-II Information System (producing a number of pilot products and services)

- The GW-II Information System (and the database) is transferred to the user organisations including training and capacity building

- The user organisations operates the GW-II Information System



1. The Ramsar's commitments relative to inventories, assessment and information system

2. The GlobWetland II project

3. Benefits for the Ramsar's parties

4. **The role of the Observatory of Mediterranean Wetlands**

5. Necessary involvement of the Ramsar's parties



The Observatory of Mediterranean Wetlands

A partnership for Mediterranean wetlands to provide useful information to decision makers and medias

- Launched by the MedWet Initiative
- Coordination Unit based in the Tour du Valat
- To build a broad partnership to build on existing data, know-how and knowledge
(2nd workshop in March 2009)

MedWet



A tool for the assessment of the status and trends of Mediterranean wetlands

- Provide timely and quality information on Mediterranean wetlands status and trends
- Track threats to Mediterranean wetlands and identify actions to promote their protection and wise use
- Assess how wetlands conservation is taken into account for sustainable development in the Mediterranean context



The Observatory of Mediterranean Wetlands

6 themes

- Biodiversity components : *habitat, species, genetic*
- Ecosystem integrity: *Water regime, Chemical state, Spatial structure, Ecosystem processes*
- Drivers and pressures on wetlands: *Policies with environmental impacts, Socio-economic drivers and pressures*
- Capacity of adaptation to global changes: *legislative and regulatory mechanisms, knowledge and innovation*
- Integration of environment in development process
- Ecological services: *provisioning, regulating and cultural services*



The Observatory of Mediterranean Wetlands

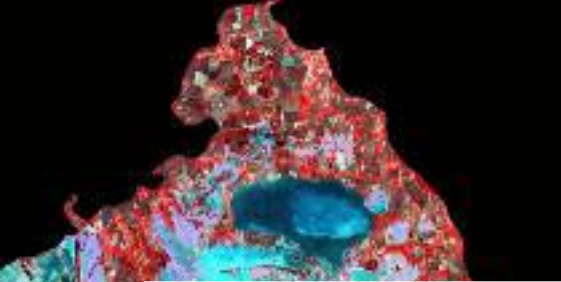
An evolving process

- Just a first proposal to start with → still adaptable to your needs
- Possibility to use it as a network to disseminate information
- More information available

newsletter

CD & booklet





1. The Ramsar's commitments relative to inventories, assessment and information system

2. The GlobWetland II project

3. Benefits for the Ramsar's parties

4. The role of the Observatory of Mediterranean Wetlands

5. **Necessary involvement of the Ramsar's parties**



Necessary involvement of the Ramsar's parties

GW2 : During the project preparation

The involvement of the users since the very beginning of the project is **critical** to ensure success.

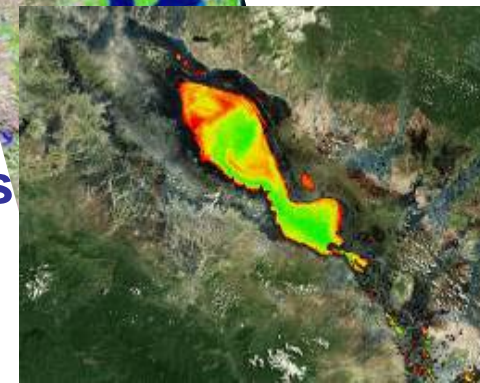
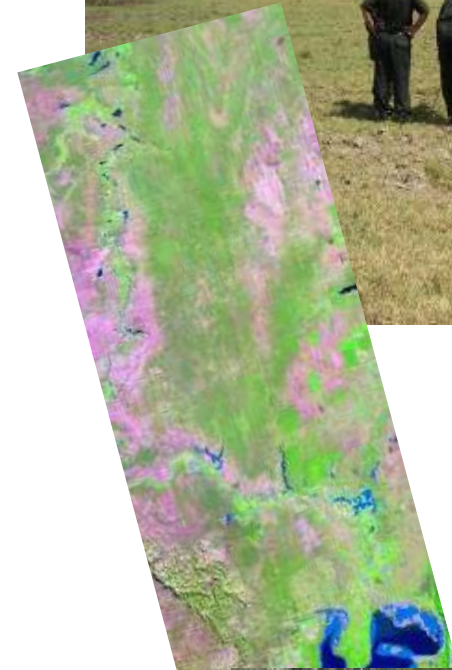
This involvement is decisive to ensure that the resulting information service

- **matches user needs** (fit to purpose)
- **is actually “used”** (integration into user practices)

- Wetlands to be mapped
- Important habitat types
- Indicators
- Areas for inventories



User Requirements

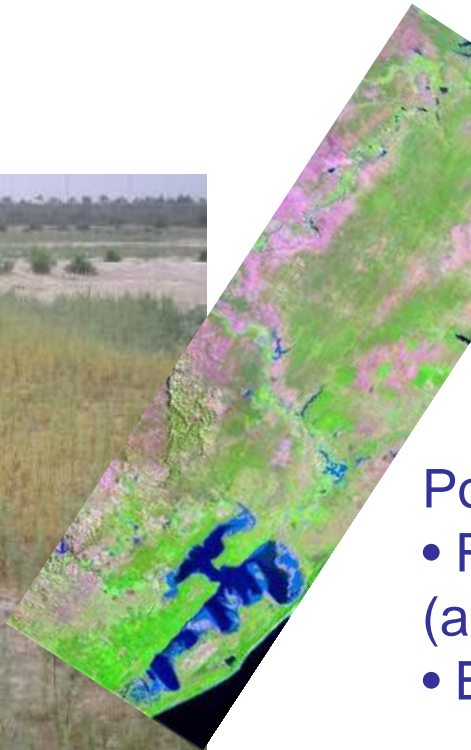
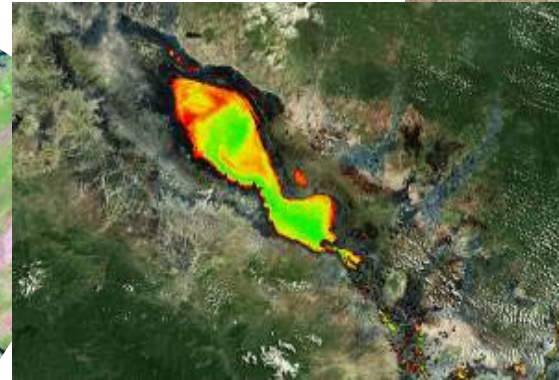


Necessary involvement of the Ramsar's parties

GW2 : During the project execution

Support is needed from the national users for:

- **data access**
(ancillary, calibration and validation)
- man power



Possibility to:

- Receive the GW-II Information System (and the database)
- Be trained for its use

Necessary involvement of the Ramsar's parties

Observatory of Mediterranean Wetlands

It is critical to define your specific needs, in your national context



- To start with useful themes and indicators for you
- To deliver the information to you with the good timing



A tool to help you!



Necessary involvement of the Ramsar's parties

How to get involved?

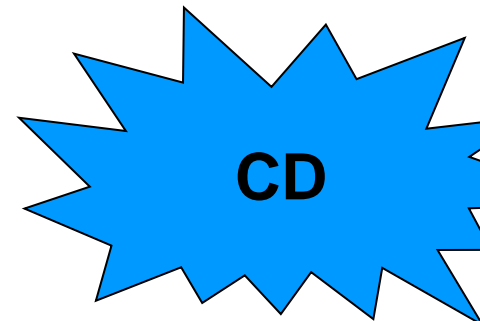
For the GW2 project:

- a User Commitment Letter
- a User Requirements Document
- Designation of National Experts to participate to the project



The URD of the Observatory of Mediterranean Wetlands, a first step to build on:

- 142 main wetlands (Ramsar sites, IBAs)
- 7 indicators
- proposal of priority areas for inventories



Necessary involvement of the Ramsar's parties

How to get involved?

For the Observatory of Mediterranean Wetlands :

- a questionnaire for decision makers
- a questionnaire for stakeholders involved in wetland-related programs implementation

CD or paper

CD or paper





Thanks for your attention

Coralie Beltrame, beltrame@tourduvalat.org

Don't forget to take a CD !