



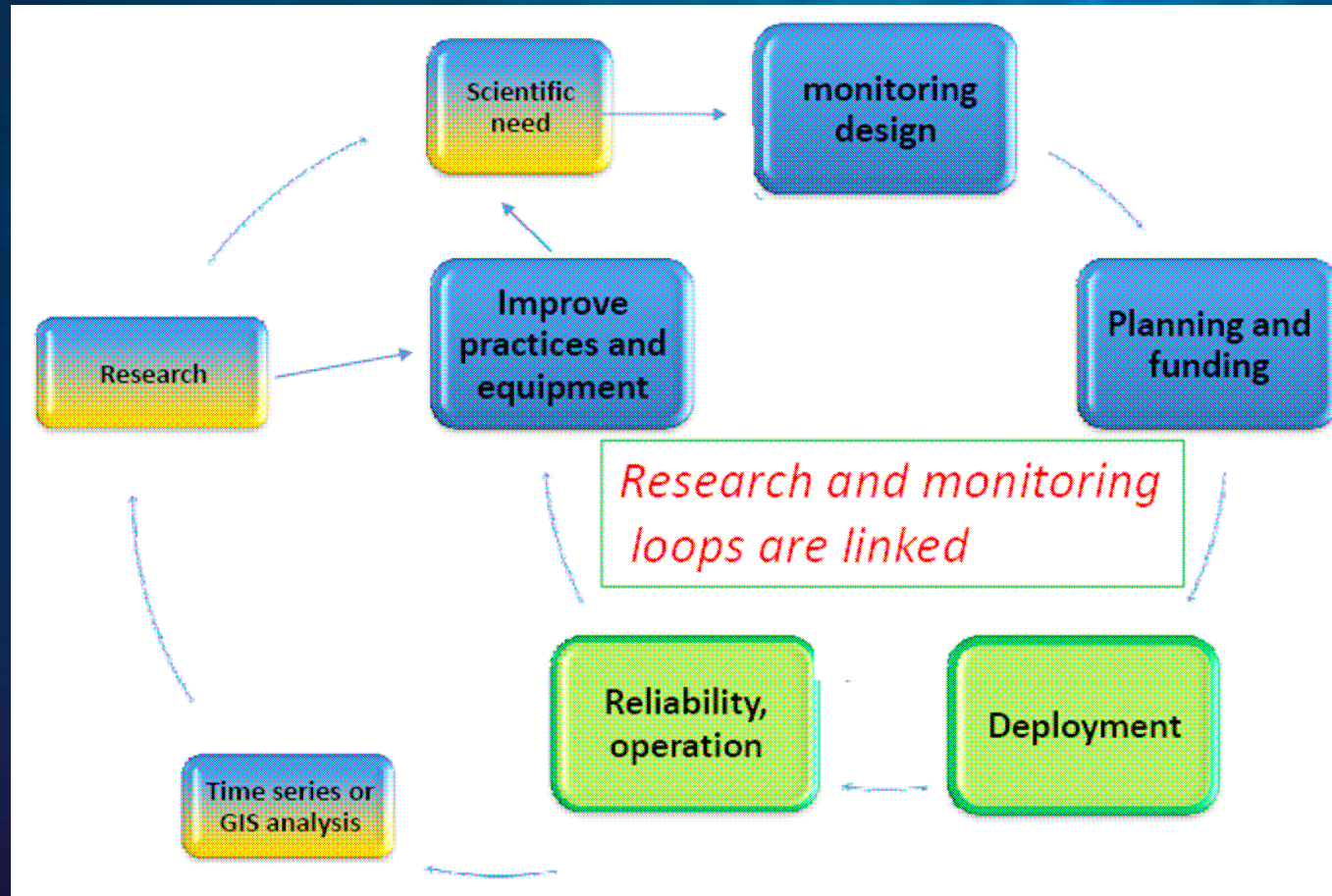
# **MRI complementary uses for monitoring and research**

## **Introduction**

**Jean-François Rolin**



Monitoring and research are part of the same knowledge acquisition process.



But budget comes from different sources (operational oceanography, research, regional/national,..)



## **MRI complementary uses for monitoring and research**

***Strong networking and integration comes from:***

- **Cruises together**
- **Data management cooperation –  
portals and data mining new tools (see *ENVRI*)**
- **Laboratory metrology experiments and testing facilities use**
- **Research using same tools (time series analysis, GIS,...)**
- **Training and sharing Best Practices**



## **MRI complementary uses for monitoring and research**

***Limitation to networking and integration comes from:***

- **Stop of EC budget (subsidiarity but...)**
- **Limited after-post-doc positions or technician positions for « permanent » infrastructures**
- **Integration between marine projects have to face diversity and schedules of EC programming : I3, ESFRI/ERIC, Environment or RCT R&D, ...**



## Networking efforts should be sustained through Horizon 2020

### An overarching effort towards European Ocean Observing System (EOOS)

#### ***EMSO - FixO3 – JERICO – SeadataNet – EuroARGO***

##### Fixed point (Eulerian) observatories

EMSO ERIC

EMSO users – ESONET Vi

FixO3 - Fixed Point Open Ocean Observatories

JERICO - Coastal fixed infrastructure

Moorings not integrated yet.

Marine branches of ESFRI infrastructures: EPOS, ICOS, SIOS

##### Mobile (Lagrangian) observatories

EuroARGO –ERIC

JERICO – Coastal Lagrangian observatories.

Ferryboxes and Ships of opportunity infrastructures.

Gliders from GROOM (GROOM as agreements with Euro-ARGO) and from EGO (Everone's Glider Observatory).

Voluntary Observing Ships (VOS).

EUROFLEETS

##### Data management of sea observatories

SeaDataNet 2

My Ocean

EMODNET

Support of data archiving and disseminating infrastructures

Data acquired by oceanographic vessels, I3 - EUROFLEETS.



## **MRI complementary uses for monitoring and research**

### **JPI OCEANS objective 10**

**« Develop and sustain infrastructure to support an integrated data and information base enabling industrial development and supporting maritime governance »**