



PdE Model Developments: The Nominal MyO IBI System

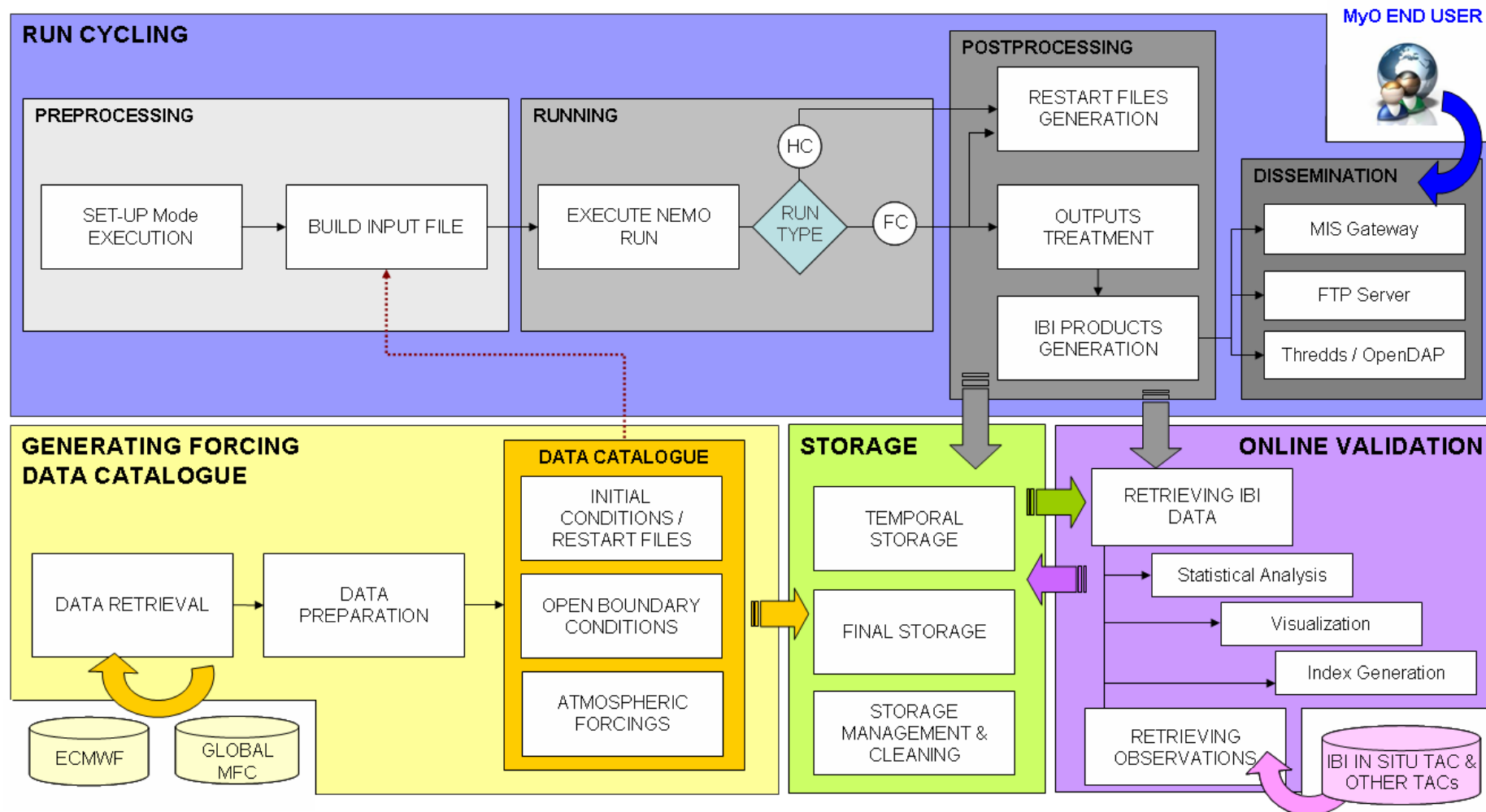
Sotillo, M.G., Queralt, S., Lorente P and Alvarez Fanjul, E.

MY OCEAN

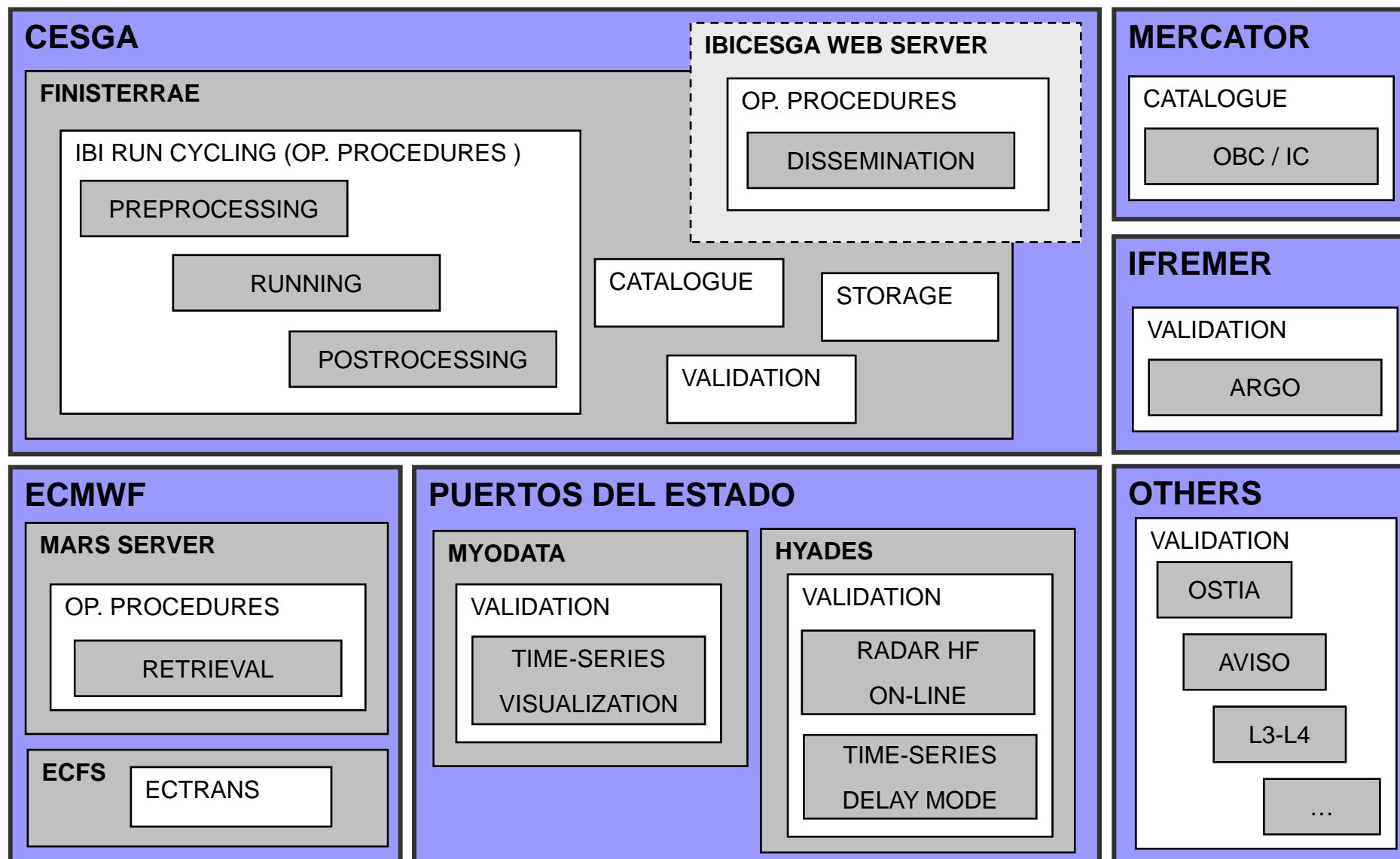
Marine
Core
Service



PdE IBI System: Operational scheme



PdE IBI System: Machine/servers map



MyO IBI products & dissemination

IBI Products

Daily Predictions (5-D FC horizon)

- Daily means (3D fields): TMP, SSH, SAL, UCU & VCU
- Hourly values (surface & single level var): SST SSH, UCU & VCU

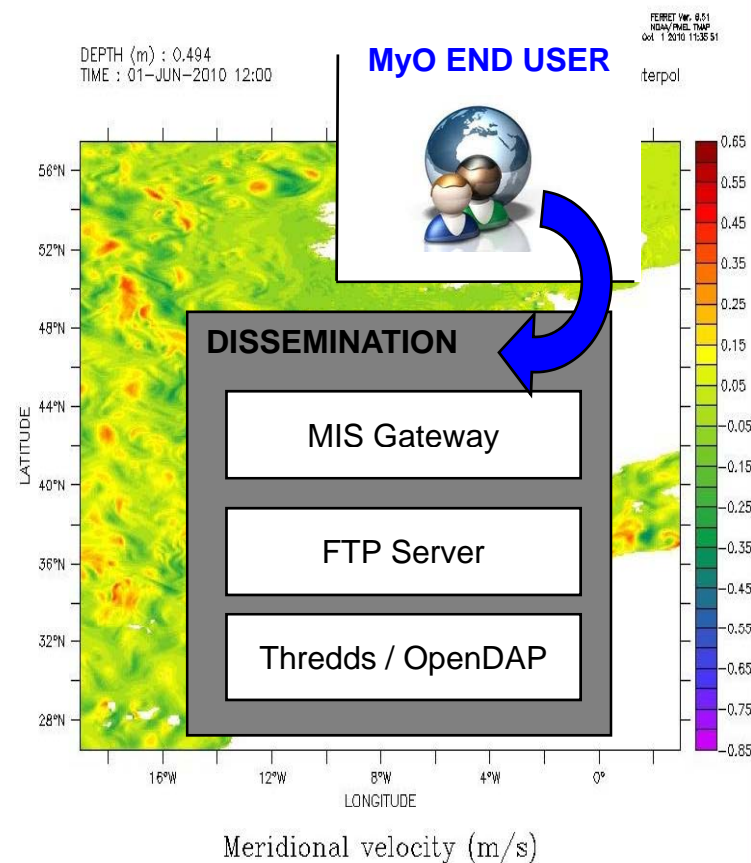
Data Dissemination

MIS-Gateway (www.myocean.org.eu)

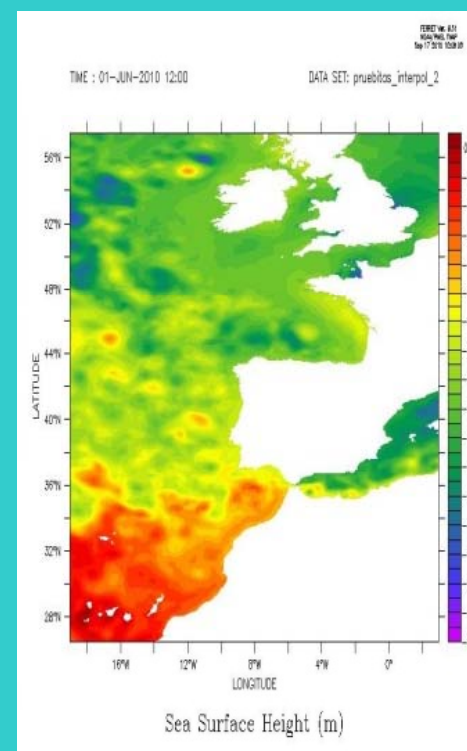
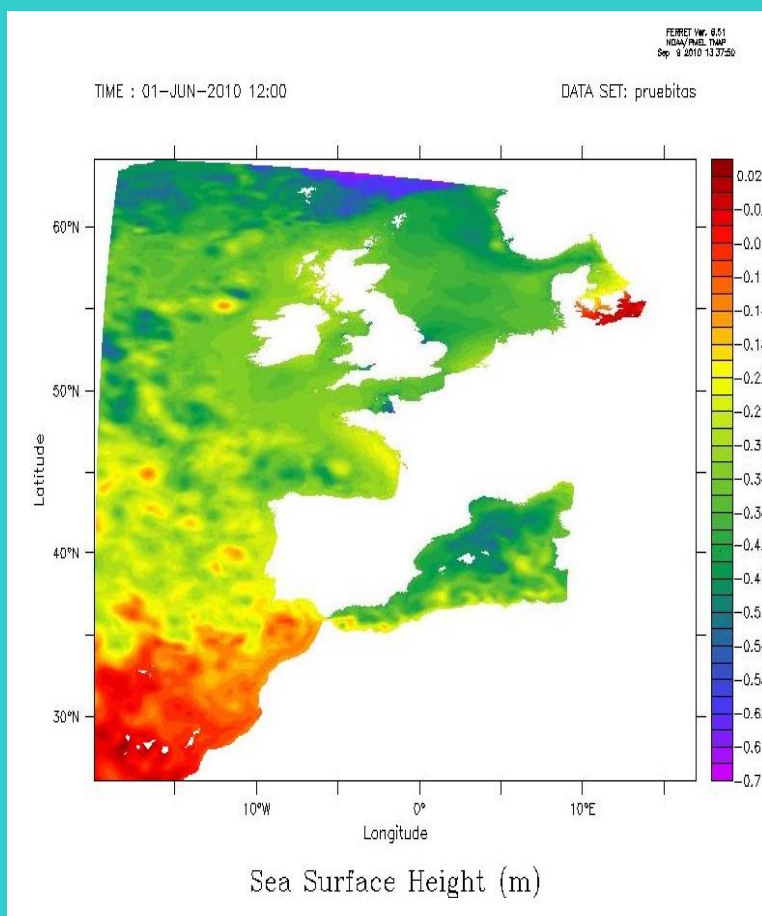
THREDDS/OpenDap: 1-yr IBI data available

FTP : predictions of the day

Variables: **TMP**, SSH, SAL, UCU, VCU, THF, HHF, UHF, VHF

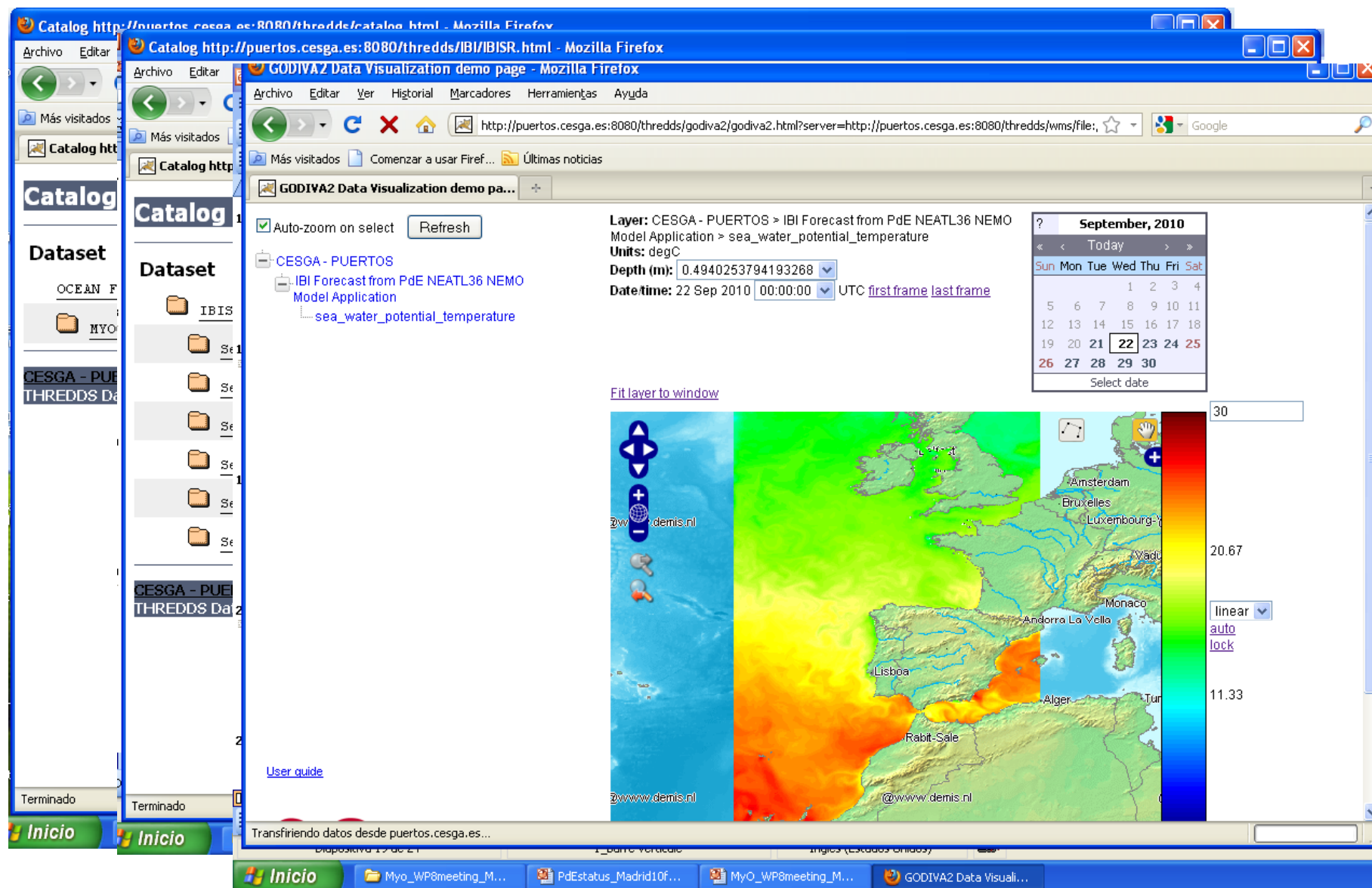


Distribution for users

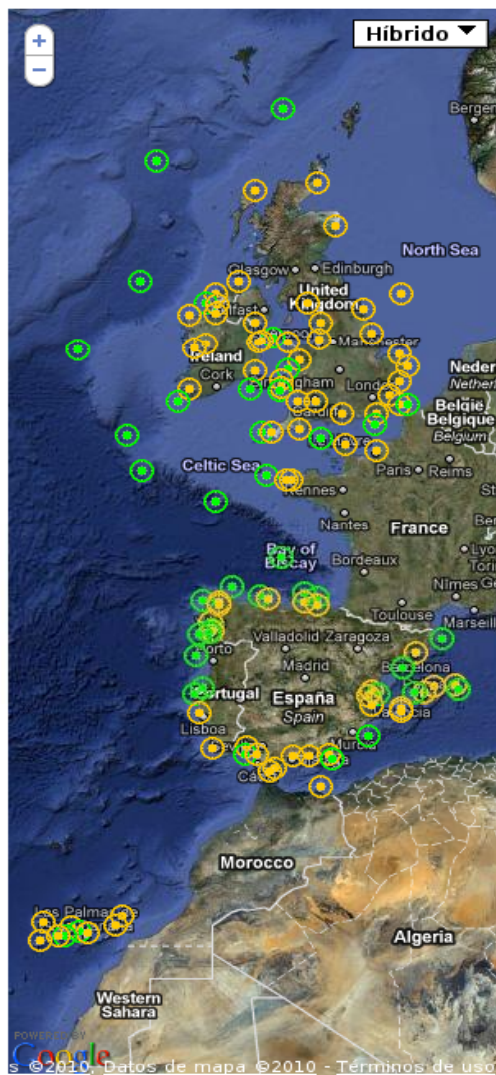


MyO IBI dissemination: Example of THREDDS/OpenDap/WMS Service

Marine Core Service



IBI Scientific Validation Plan

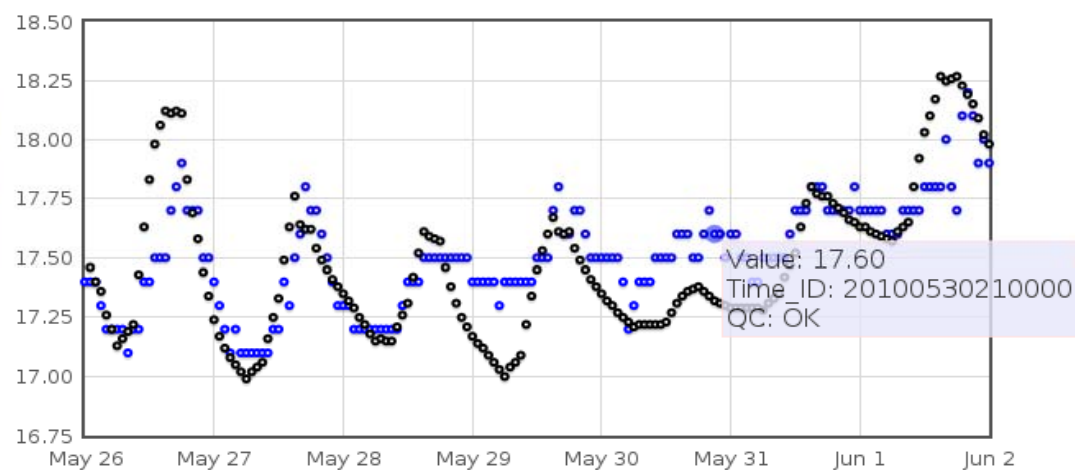


MyOcean IBI MFC

MyO IBI ON-LINE VALIDATION:
MOORING AND TIDE-GAUGE VISUALIZATION



Data from **Bilbao_buoy** station.
Provider: **Puertos del Estado (Spain)**.
Param: **SEA WATER TEMPERATURE (degree_Celsius)**.
Last received data: **20100602000000** (GMT)



• Observation
• QC: Wrong
• IBI Output

Observational data gathered and disseminated by Puertos del Estado.

Data Providers:



IBI On-Line Validation Tool

IBI VALIDATION TOOL
Puertos del Estado

Protected Area

Username:
Password:

Contact Info



Puertos del Estado
Av. del Descubrimiento 10 - 28042 Madrid - Spain
Email: masos@puertos.es
aguant@puertos.es
Phone: +34 915 245 500
Fax: +34 915 245 501

Puertos del Estado
Ministerio de Medio Ambiente
Dirección General de Política Marítima

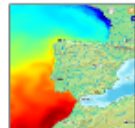
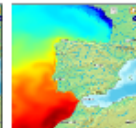
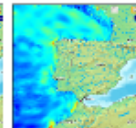
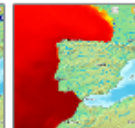
IBI Validation Tool v1.0.0

LOGIN page

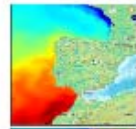
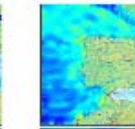

IBI VALIDATION TOOL
Puertos del Estado

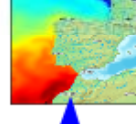
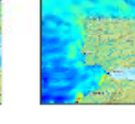

On-Line | Delay Mode

Validation (IBI VS Observations) Select date: 02-14-2011


Consistency


MyOCEAN Project

The present data dissemination service has been developed in the frame of <http://www.project-ensure.eu> to make the world's ocean knowledge data generated by Puertos del Estado (PDE).




On-line Help

A brief On-Line Help has been developed in order to guide the user through this site. To get more info, please click below

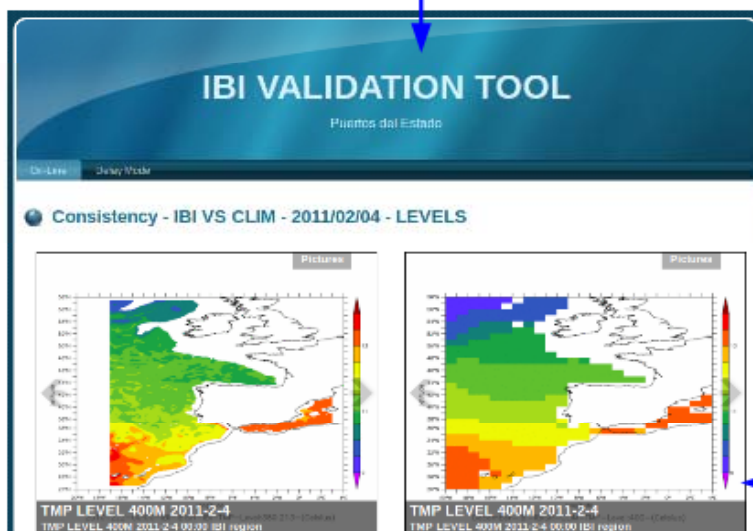


Contact Info



Puertos del Estado
Av. del Descubrimiento 10 - 28042 Madrid - Spain
Email: masos@puertos.es
aguant@puertos.es
Phone: +34 915 245 500
Fax: +34 915 245 501

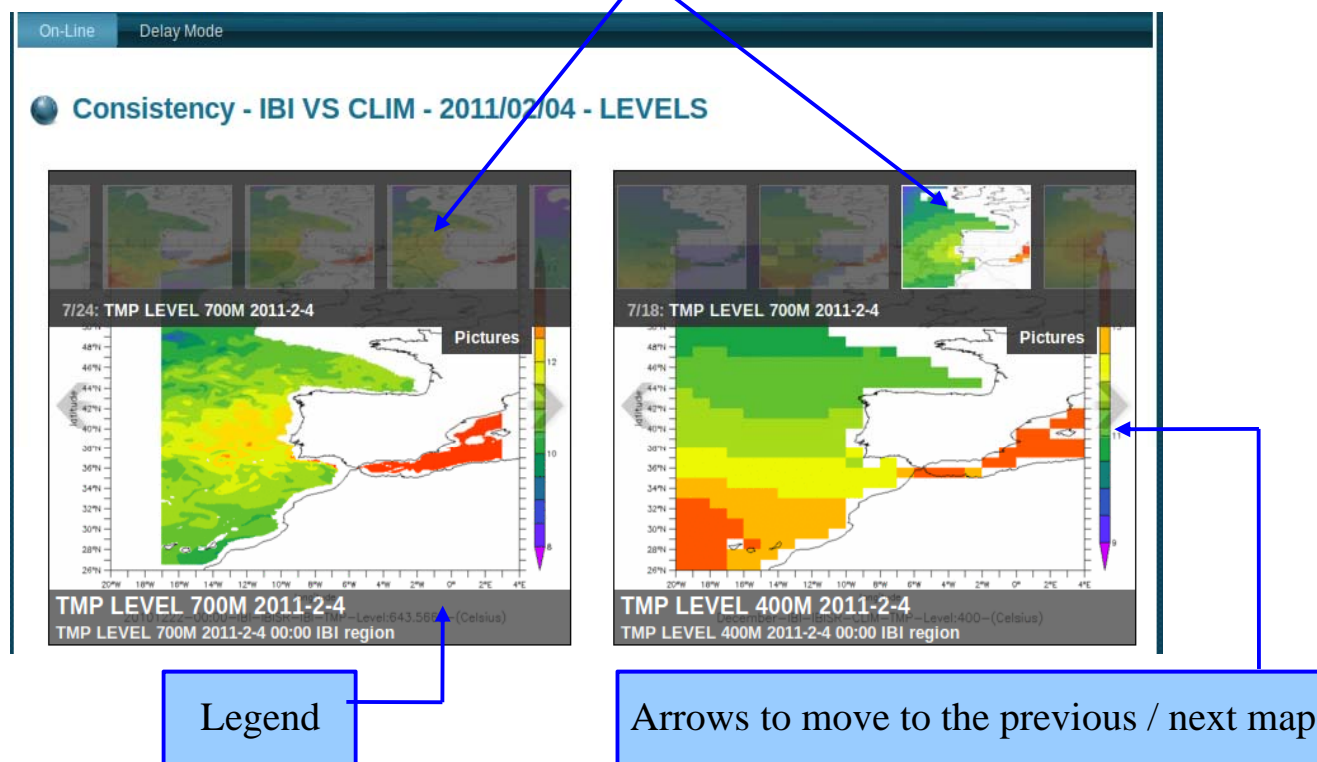
ON-LINE VALIDATION page



IBI versus CLIMATOLOGY page

IBI On-Line Validation Tool

Gallery of images: Select variable, level, etc. to compare



IBI On-Line Validation Tool

Characteristics (I)

Not only a front-end application



Hard effort of code developing in order to get the most:

- Flexible
 - Modular
 - Parameter-based
- tool

In this way, a solid and stable code architecture is achieved.

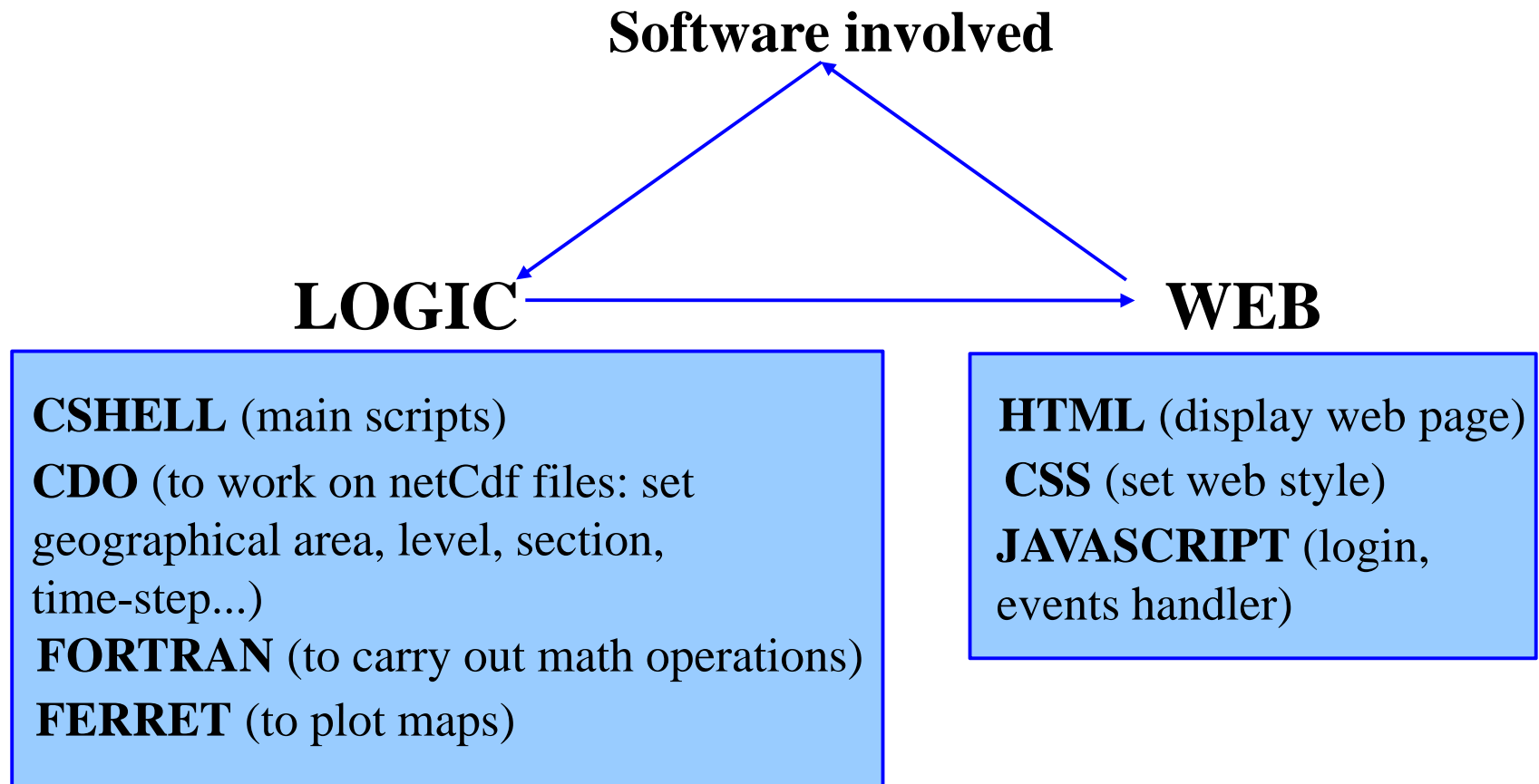
When a new source (model, observation, etc) is introduced...

... minimum modifications in the core code are required.

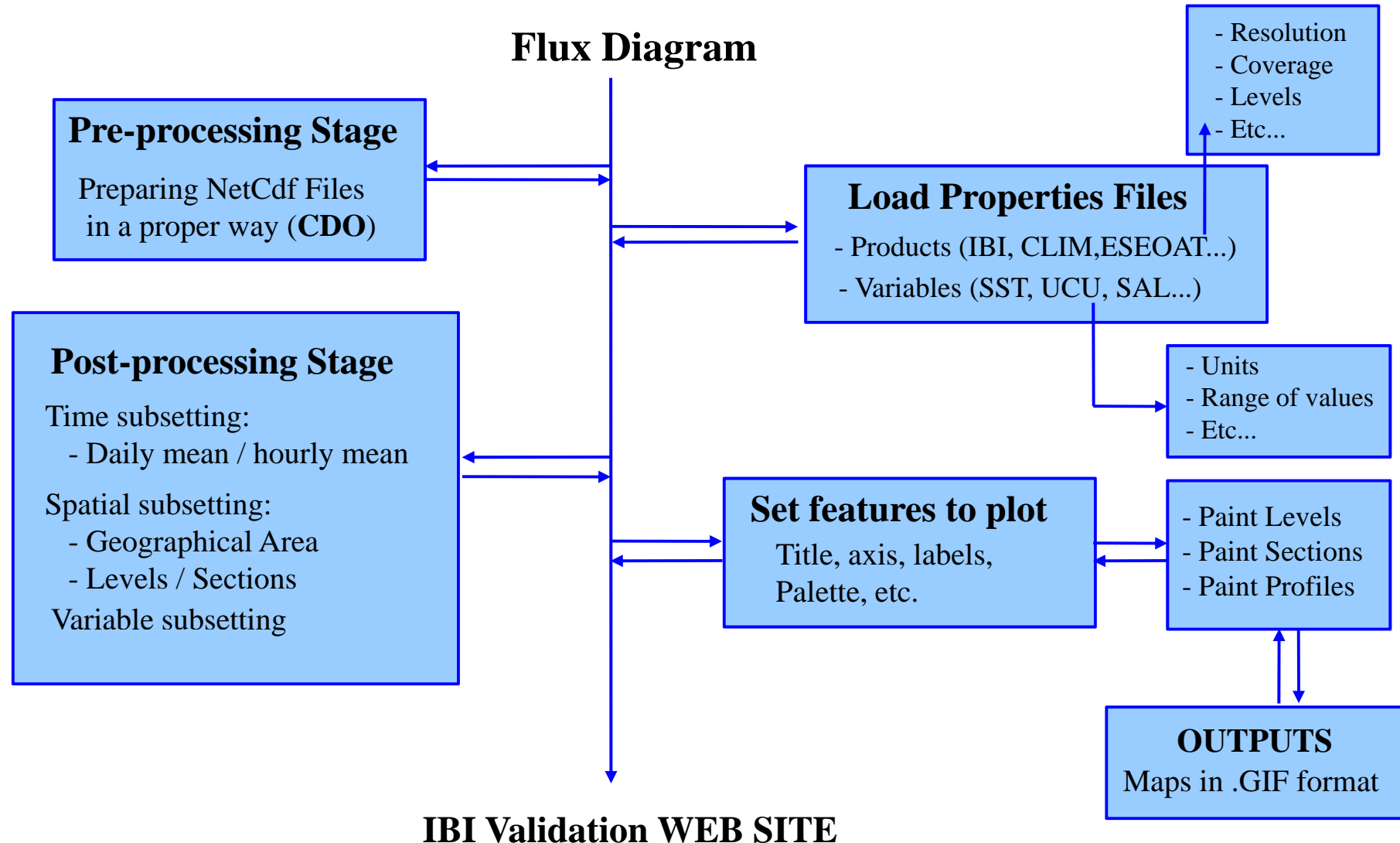
... just a new module has to be added, with its corresponding folders and properties files to set new source's features.

IBI On-Line Validation Tool

Characteristics (II)



IBI On-Line Validation Tool





Marine Core Service

Collaboration Request from MyO IBI to any potential IBI-ROOS users:

- ✓ **Objective (From April 2011): Towards a new IBI-V2 (improving IBI local solutions)**
 - ✓ **Feedback from any potential user welcome (valuable help to identify IBI problems & to improve IBI service in your areas of interest):**
 - ✓ **Please, report to us with:**
 - ✓ Info on IBI performance over your interest areas
 - ✓ Model comparison (local vs IBI) and/or any validation exercise
 - ✓ **Local IBI-ROOS users expertise is requested to:**
 - ✓ **Optimize IBI Bathymetry (IBI vs IBIROOS user's bathymetries):**
Correct any artifacts (noticeable impact on local IBI solution)
 - ✓ PdE already in contact with Instituto Hidrografico de la Marina to check IBI bathymetry at Spanish waters.
 - ✓ **Access to any real-time river discharge data from your areas.**
- Any interested on trying to improve IBI solution over their interest areas, please contact to marcos@puertos.es**