



**SeaDataNet**

PAN-EUROPEAN INFRASTRUCTURE  
FOR OCEAN & MARINE DATA  
MANAGEMENT

# ***EDMED and EDIOS status and developments***

## ***EDMED V1 - content***

- Total entries now: 4013
- New entries received from Cyprus, Latvia, Ukraine
- All records are validated by BODC prior to loading to the EDMED database
- Corrections made either by BODC and/or fed back to the partner
- BODC will send out an e-mail requesting updates later this month
- SeaDataNet II 'look and feel' implemented

## ***Updating and managing EDMED content***

### **BODC is ready to receive new EDMED records**

- Through the appropriate collating centre (which is responsible for managing the allocation of local ids)
- Generated using Mikado
- Records should be validated using the online validator before being forwarded to BODC

### **Help is available as follows:**

- Mikado manual
- User manual for updating metadata directories
- Guidance note on content (soon to be available on website)

## *European Directory of the Ocean-observing System (EDIOS)*

EDIOS is an information system for marine observing stations (including moored buoys, coastal installations, seabed stations, drifting buoys, repeated sections and sampling stations, airborne repeated tracks, etc) where there are routine, repeated, and consistent long-term observations of the marine environmental conditions.

## ***Examples of observing programmes***

- **Swedish Real Time Oceanographic Monitoring Network - Moored Buoys (SMHI)**
- **Bathing waters monitoring programme**
- **CSEMP Shellfish Contaminants Programme**
- **RECOPECA - Network of fishing effort and environment parameters**
- **XBT network of IRD in Atlantic and Indian Ocean**
- **Norwegian Sea Monitoring Programme Fixed Oceanographic Sections**
- **Norwegian Coast Monitoring Programme Fixed Stations and Ferry Box**
- **Mackerel Egg Survey**
- **Irish Groundfish Survey (International Bottom Trawl Survey)**
- **NIEA Cetacean Monitoring Northern Ireland**
- **Marine Turtle Entanglement Surveys**
- **Marine Environmental Monitoring Network in the North Sea and Baltic Sea**

## ***EDIOS – Current status – September 2012***

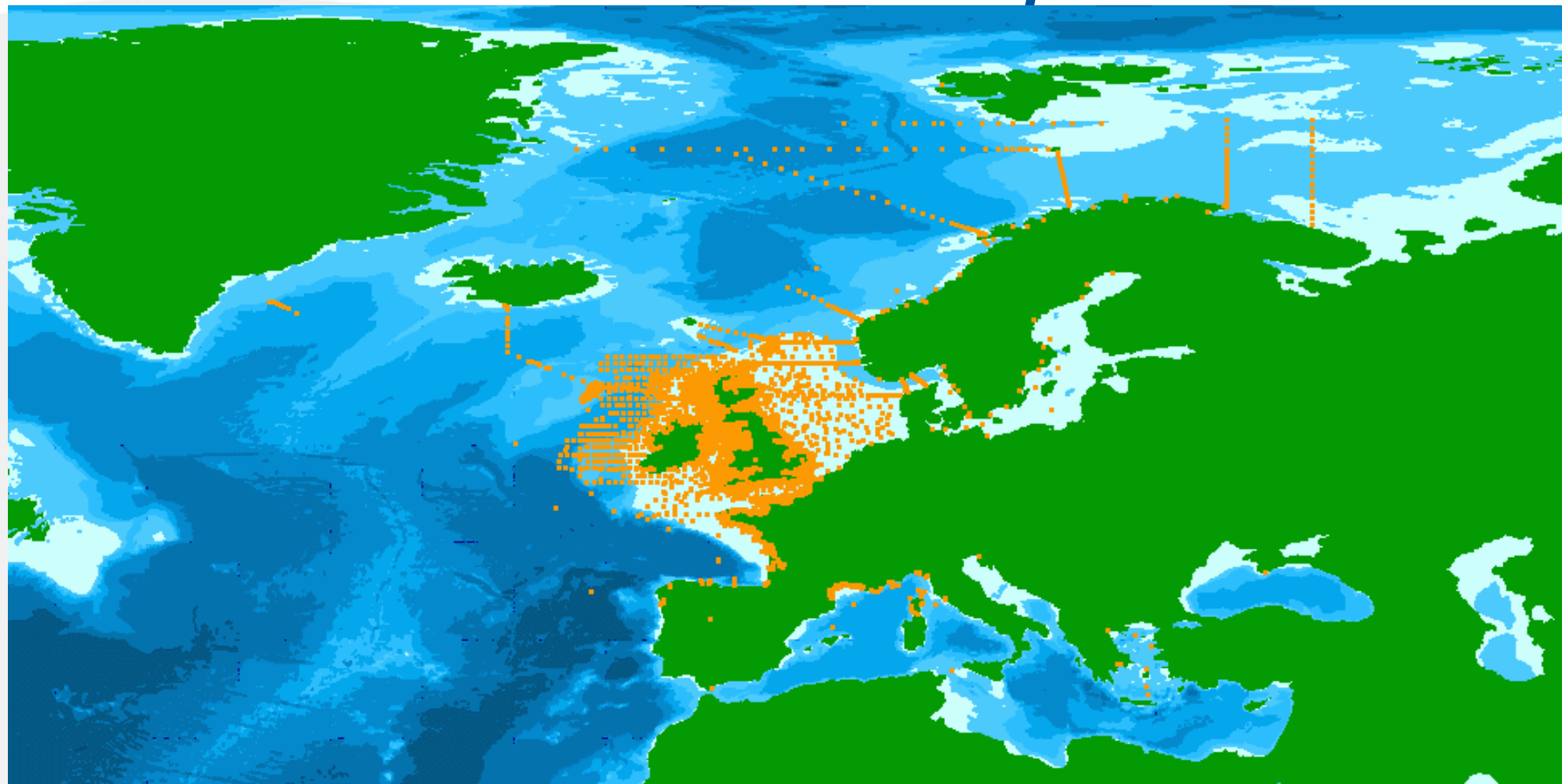
- EDIOS is hierarchical and has been complex to implement using ISO19115
- Mikado software tool includes EDIOS
- 3 schemas for: observing programmes, series and platforms
- User Manual explains in some detail how to produce XML files in manual or automatic mode
- Guidance note on content is being written



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## *EDIOS – Current status – September 2012*



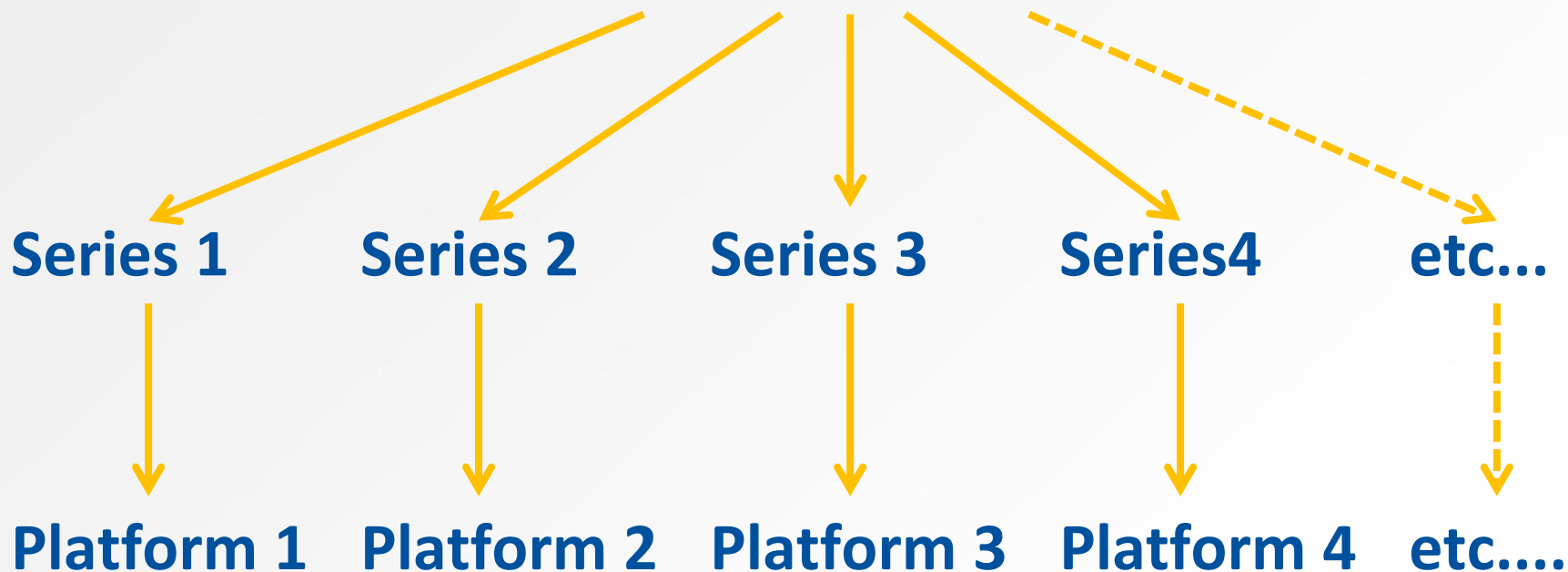
- Content received from 11 countries (SDN partners) – ~5 of these are complete
- 350 observing programmes comprising 16544 series (points, curves & surfaces)

[sdn-userdesk@seadatanet.org](mailto:sdn-userdesk@seadatanet.org) – [www.seadatanet.org](http://www.seadatanet.org)

## *Relationships within EDIOS (1)*

**EXAMPLE: WAVE BUOY or TIDE GAUGE NETWORK**

### Observing programme

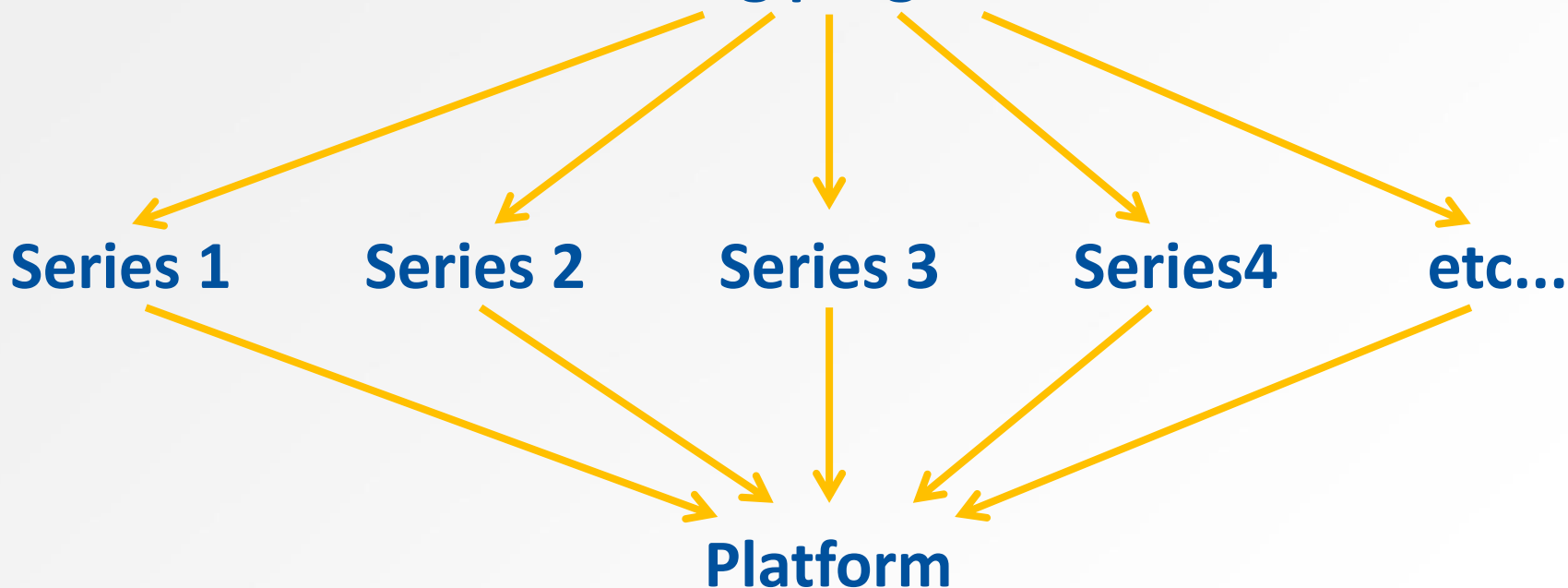




## *Relationships within EDIOS (2)*

### EXAMPLE: FIXED OCEANOGRAPHIC (CTD) SECTION

Observing programme



## *Relationships within EDIOS (3)*

### EXAMPLE: ENVIRONMENTAL MONITORING PROGRAM

#### Observing programme



## *Relationships within EDIOS (4)*

**EXAMPLE: FERRYBOX or FISHERIES TRAWL SURVEY**

**Observing programme**



**Series 1**



**Platform 1**

## *Prepare your XML files via the MIKADO tool in manual or automatic mode*

1. First create the programmes
  2. Then the series
  3. And finally the platforms
- An EDIOS programme can relate to multiple series
  - Therefore an EDIOS Programme identifier is used in the EDIOS series form as the EDIOS programme reference
  - The EDIOS series identifier(s) is used in the EDIOS platforms form as the EDIOS series reference.
  - **NOTE:** Do not use 'unusual' characters in filenames (e.g. ž, ě, ö, å, ê). Do not leave blank spaces in filenames – use underscore ('\_') instead.

## *Updating and maintaining EDIOS entries*

### Why do we need to do this?

- Incorrect information supplied
- Information changes with time
- For those with their own databases of EDIOS information, revised EDIOS program, series and platform XML files must be supplied.
- For those without their own databases:
  - Revised XML files can be sent as above
  - Or for small amendments, these can be sent to BODC, who will edit the records in the master database
- Where incorrect information is discovered by BODC in checking and loading information to the database, this will be fed back to the information supplier. Revised information may be suggested.
- BODC is developing software to compare the new records with existing records at BODC, this allows a level of checking before replacing old values with revised ones.

To look at EDIOS entries in the test database, visit:  
[http://edios-test.maris2.nl/v\\_edios\\_v2/search.asp](http://edios-test.maris2.nl/v_edios_v2/search.asp)

To look at existing EDIOS entries, visit:  
[http://seadatanet.maris2.nl/v\\_edios\\_v2/search.asp](http://seadatanet.maris2.nl/v_edios_v2/search.asp)

- **Priority:** Observing programmes with physical parameters (T/S, currents, sea level, waves, winds, light attenuation)
- **Note:** An EDIOS Content Guidance Note will be available soon; in the meantime the presentation from the training course is available



Please send completed EDIOS XML files to BODC:  
Lesley Rickards ([ljr@bodc.ac.uk](mailto:ljr@bodc.ac.uk))  
Maureen Pagnani ([mred@bodc.ac.uk](mailto:mred@bodc.ac.uk))