

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, and where the data are made available for use in real-time, or near real-time.”

EDIOS – Current status – October 2011

- EDIOS is hierarchical and has been complex to implement using ISO19115
- New version of Mikado software tool now available
- 3 schemas for: observing programmes, series and platforms
- Manual explains in some detail how to produce XML files in manual or automatic mode
- Old (V0) EDIOS entries will not be upgraded
- Can be retrieved as examples for producing new entries

Information Required for EDIOS

EDIOS has 3 levels : Programmes, Series and Platforms

- **Programme Information:** Programme, Chief scientist, Coordinating institute and Point of contact
e.g.: **MAWS – UK Met Office Marine Automatic Weather Station Network (Met Office Surface Marine Programme)**
- **Series information:** Identification, Where, When, What and Completed by
e.g.: **K1, K2, K3, K4, K5, etc.**
- **Platform information:** Identification, How, Who and Completed by
e.g.: **moored surface buoy, K1 (MAWS Moored Buoy)**

Mikado Software Tool

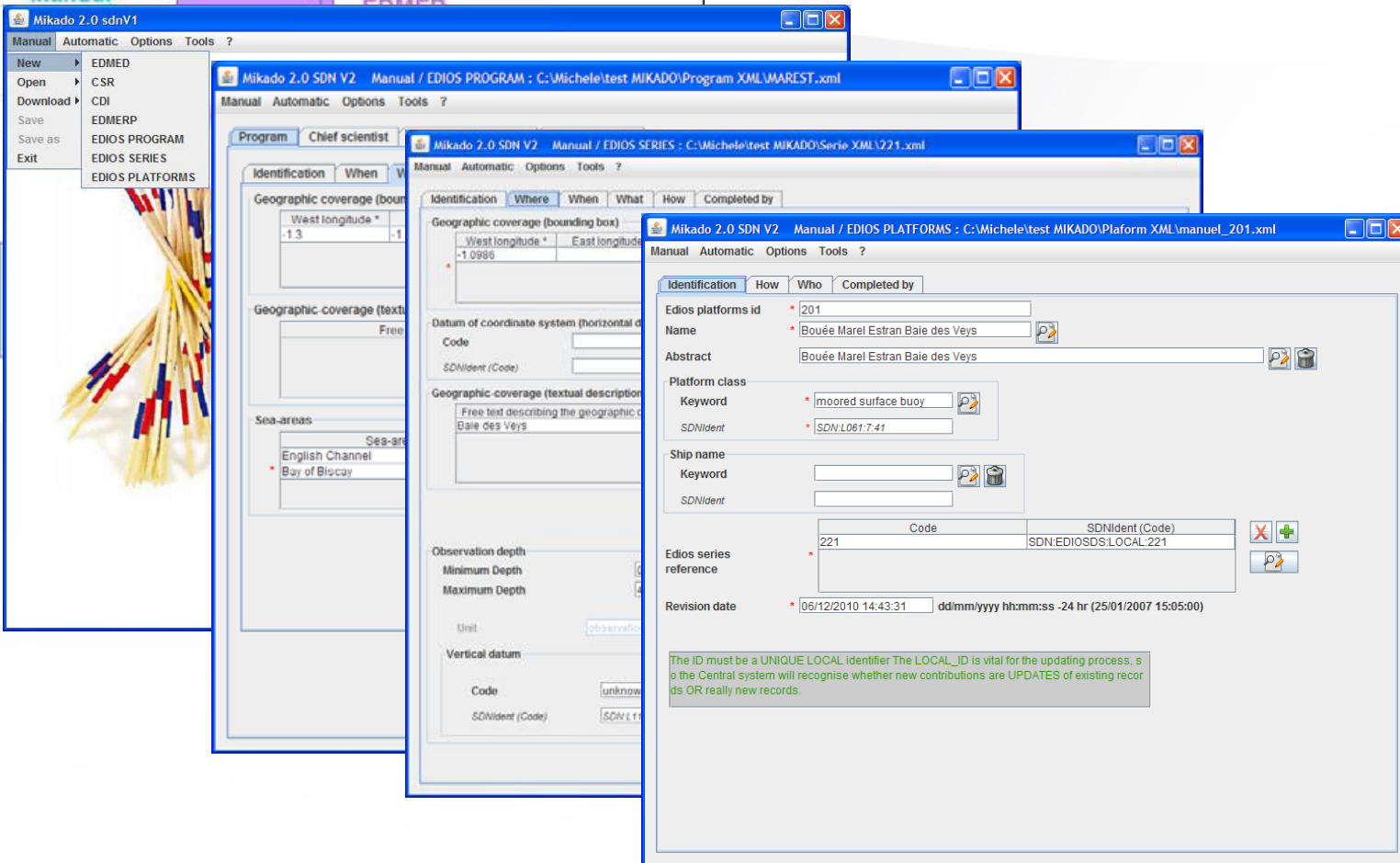


❖ MIKADO main features

Manual

CSR
EDMER

MIKADO
Java code



The screenshot displays the Mikado 2.0 software interface with several overlapping windows. The main window, titled 'Mikado 2.0 sdnV1', shows a menu with options: New (EDMED), Open (CSR), Download (CDI), Save (EDMERP), Save as (EDIOS PROGRAM, EDIOS SERIES, EDIOS PLATFORMS), and Exit. Other windows include 'Mikado 2.0 SDN V2' for 'EDIOS PROGRAM', 'EDIOS SERIES', and 'EDIOS PLATFORMS'. The 'EDIOS PLATFORMS' window is the most prominent, showing a form for entering platform details:

- Identification** tab selected.
- Edios platforms id**: 201
- Name**: Bouée Marel Estran Baie des Veys
- Abstract**: Bouée Marel Estran Baie des Veys
- Platform class**:
 - Keyword**: moored surface buoy
 - SDNident**: SDN.L061:7:41
- Ship name**:
 - Keyword**: [empty]
 - SDNident**: [empty]
- Edios series reference**:

Code	SDNident (Code)
221	SDN.EDIOSDS.LOCAL:221
- Revision date**: 06/12/2010 14:43:31 dd/mm/yyyy hh:mm:ss -24 hr (25/01/2007 15:05:00)

A green text box at the bottom of the 'EDIOS PLATFORMS' window provides instructions: "The ID must be a UNIQUE LOCAL identifier. The LOCAL_ID is vital for the updating process, so the Central system will recognise whether new contributions are UPDATES of existing records OR really new records."

EDIOS – Current status – October 2011

- SeaDataNet partners/NODCs have national coordination responsibility for EDIOS
- Urgent need for input to EMODnet Physics
- Update in collaboration with EuroGOOS ROOSes and MyOcean
- UK has updated its entries
- Production of new entries is underway
- Initial input received from France, Ireland, Italy and Greece
- Next – Belgium, Germany, Netherlands, Norway... ??

Next Steps

- BODC will produce guidance note on EDIOS metadata production
- Compile list of SeaDataNet contacts
- Work with EuroGOOS ROOSes and MyOcean to generate EDIOS entries (for physical data)
- Assistance from Patrick Gorringer, EuroGOOS
- Send completed EDIOS entries to BODC to validate and load, and correct problems, provide feedback, etc.

GOAL: TO HAVE EDIOS ENTRIES FOR PHYSICAL PARAMETERS (T/S, currents, sea level, waves, winds, light attenuation) BEFORE 1 JANUARY 2012