1st plenary meeting– Rhodes – 19-20 September, 2012

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

MIKADO, NEMO

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MIKADO v2: 2 releases since last plenary

- 2.0 (13 January 2011)
- 2.0.1 (22 February 2011)
- 2.1 (22 March 2011)
- 2.2 (22 June 2011)
- 2.2.1 (6 September 2011)
- 2.3 (12 March 2012)
- **2.4 (24 July 2012)**
  - **Current release**

MIKADO, v2.3, released 12/03/2012

- Adds-on
  - Look and feel set to Nimbus
  - EDIOS series manual : online help and controls added for curve and surface descriptions
  - EDIOS series vocabulary changed for sampling interval units (List L260 instead of list P061)
  - Seismic O&M in automatic and manual modes
  - Seismic SensorML in automatic and manual modes
- Fixed bugs
  - Remove potential duplicates due to mapping of P011 to P021
  - Spatial resolution value (= distance between traces, var47) can be 0 for seismic data

MIKADO, v2.4, released 24/07/2012

- New features

  -New variable added for Seismic SensorML (Shot distance)

  -Djava.endorsed.dirs="dist/lib" removed from mikado.bat and mikado.csh (not needed by JAVA JRE 1.7)

- Fixed Bugs

  - Vocabulary L051 (device categories) used to replace deprecated L057 and L054

  - Edios Program : field position updated for id in manual mode form

  - CSR downloading : mdFileID value corrected

  - O&M and SensorML : _oem and _sml extensions removed in automatic mode (to be configured by data manager).

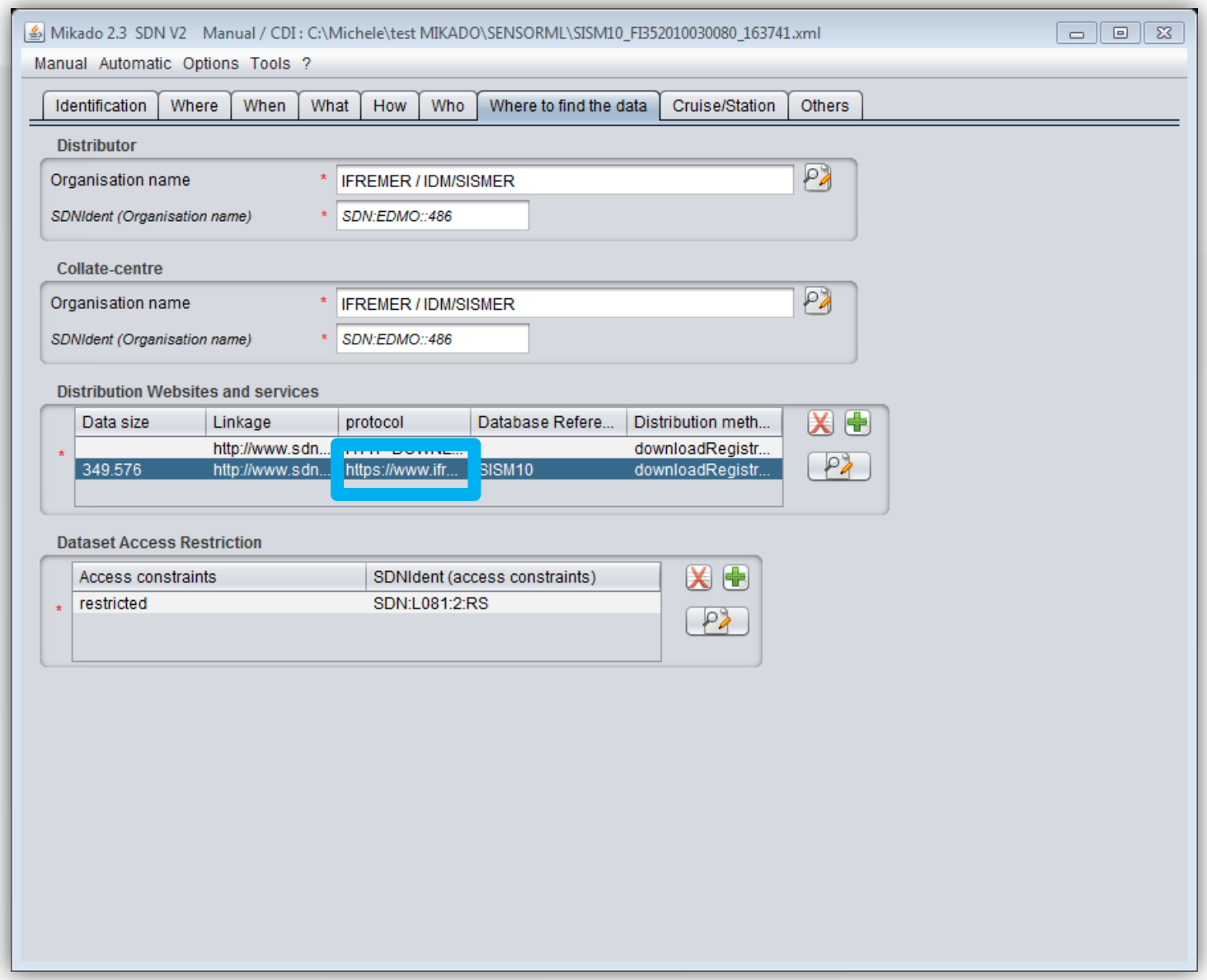
- For Geo-seas, user's manual update (O&M, sensorML, CDI records), planned in Octobre 2012.

SensorML and O&M extensions for seismic data

- One CDI for seismic data (corresponds to one seismic line or one fragment of a seismic line)
  - Linked to one O&M (observation and measurement description)
    - Linked to *one* to *n* Sensor ML (Sensor technical description with acquisition parameters, necessary for data processing)

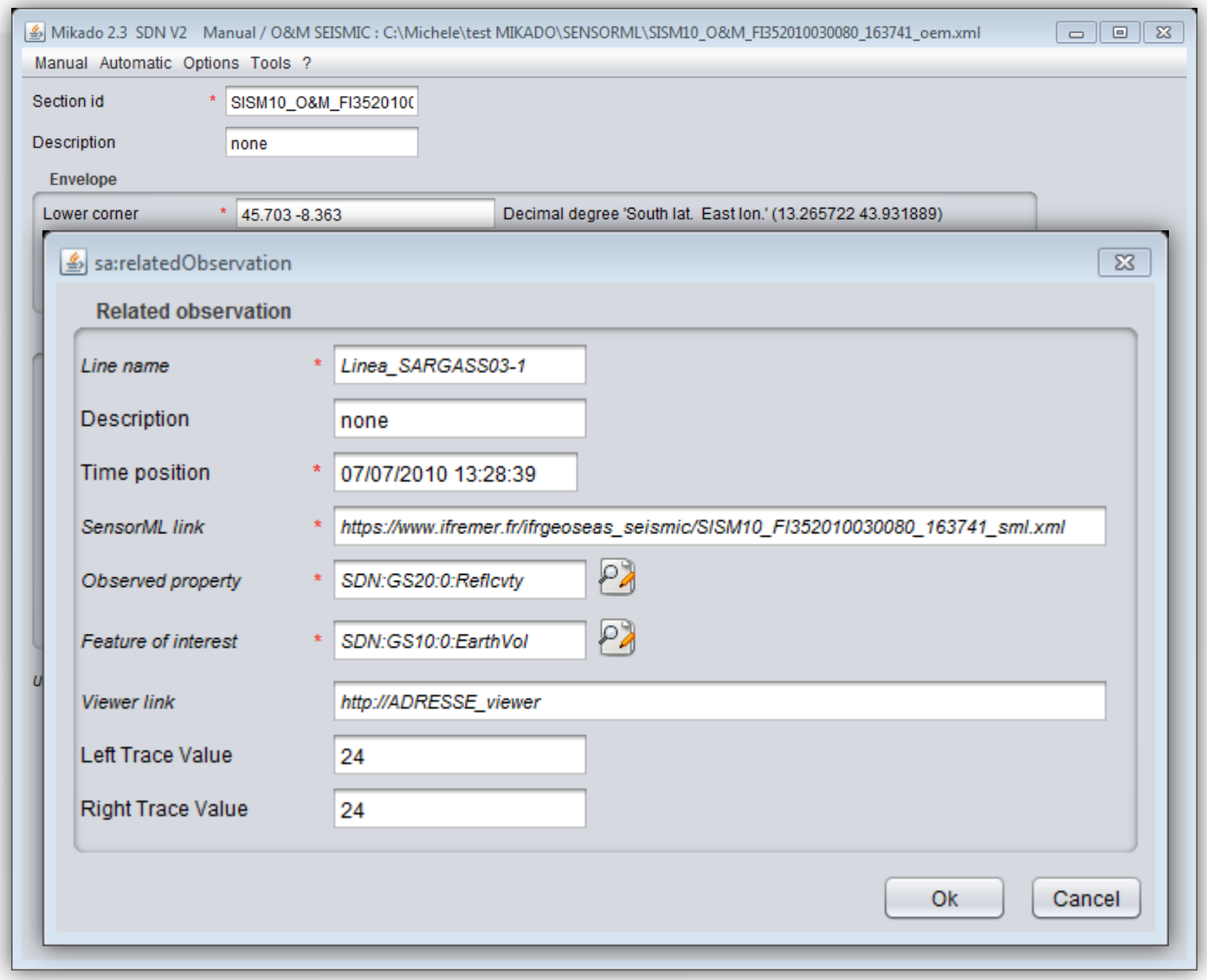
MIKADO manual CDI

Local URL of the O&M description

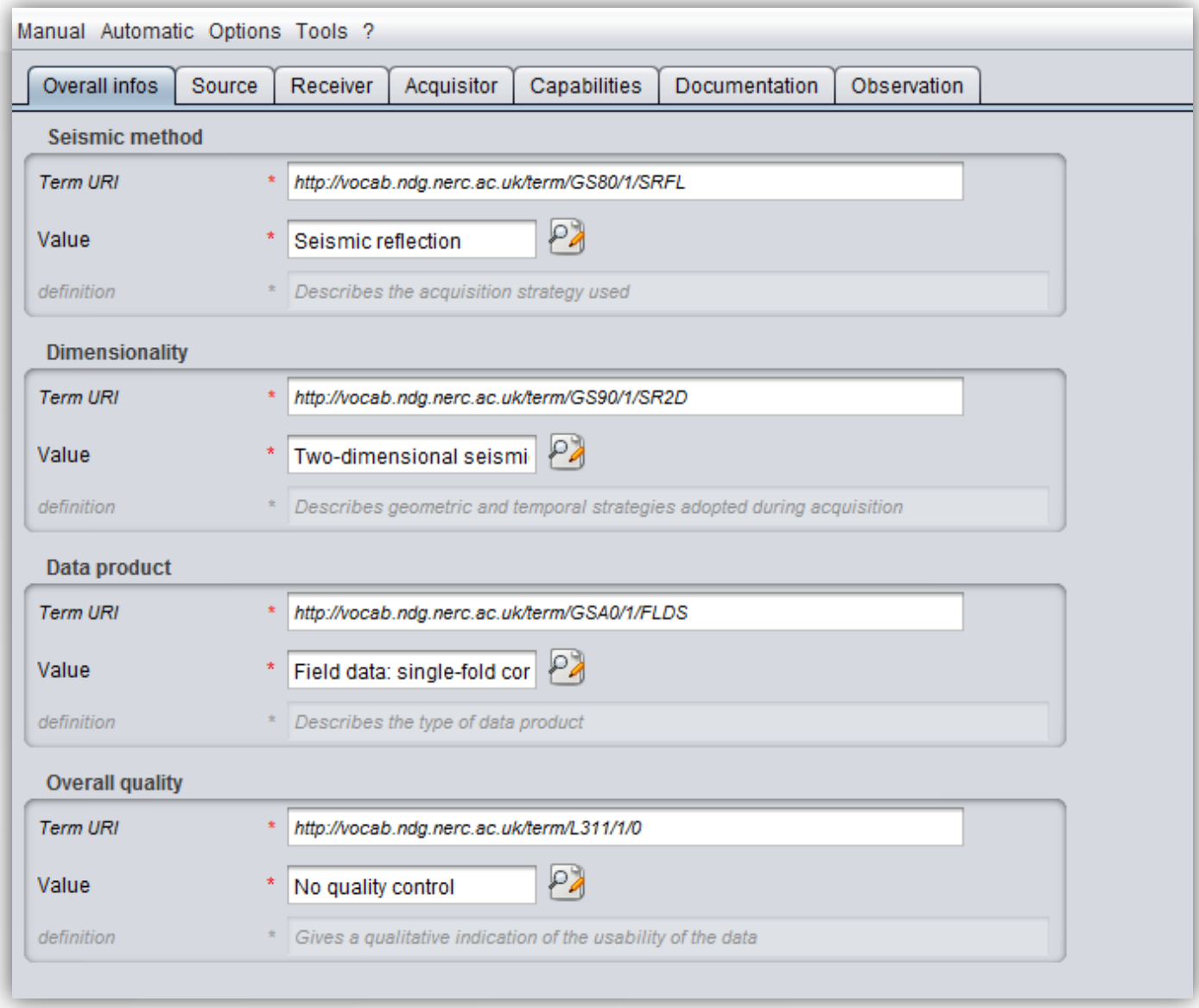


MIKADO manual O&M

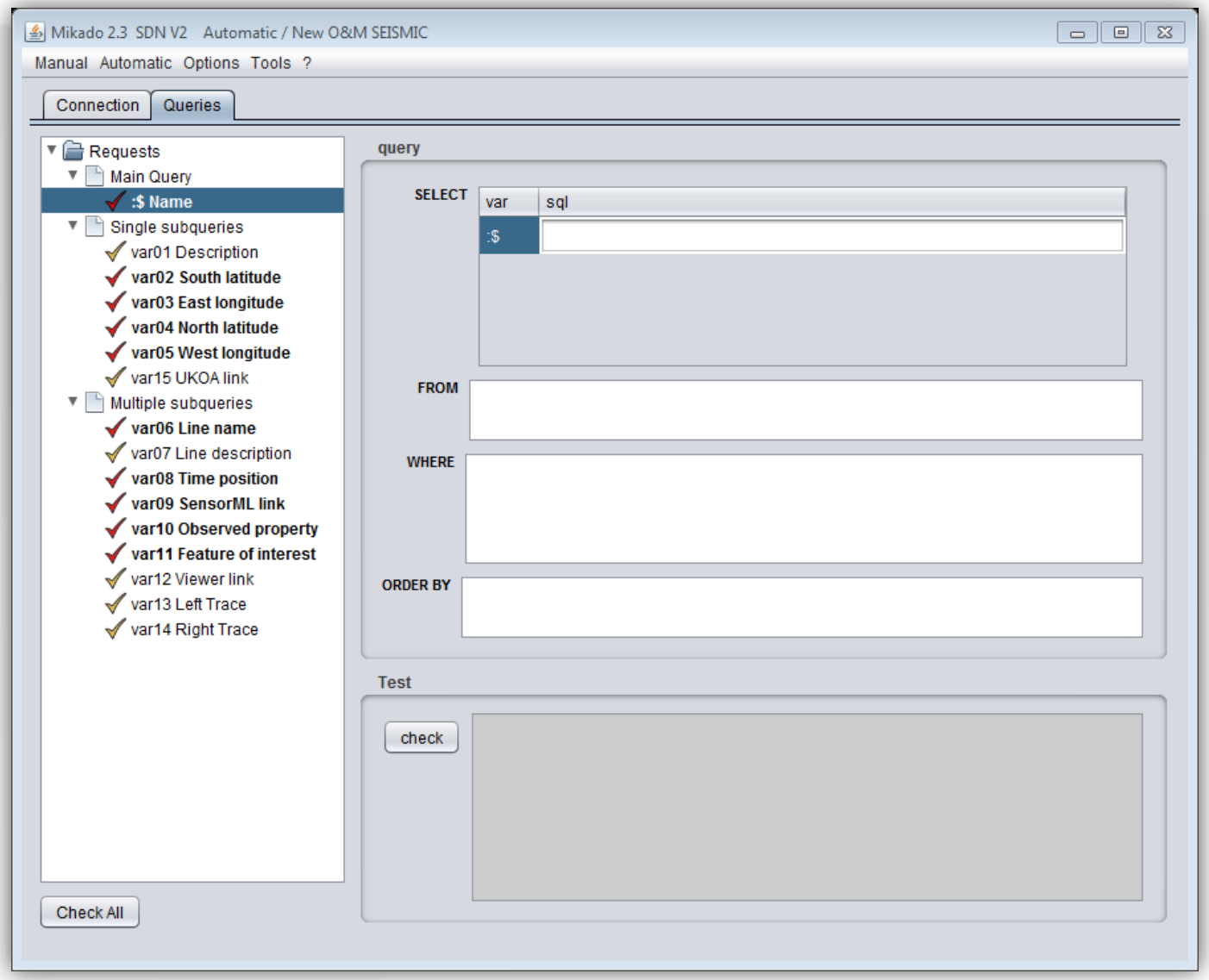
Local URL of the Sensor ML description



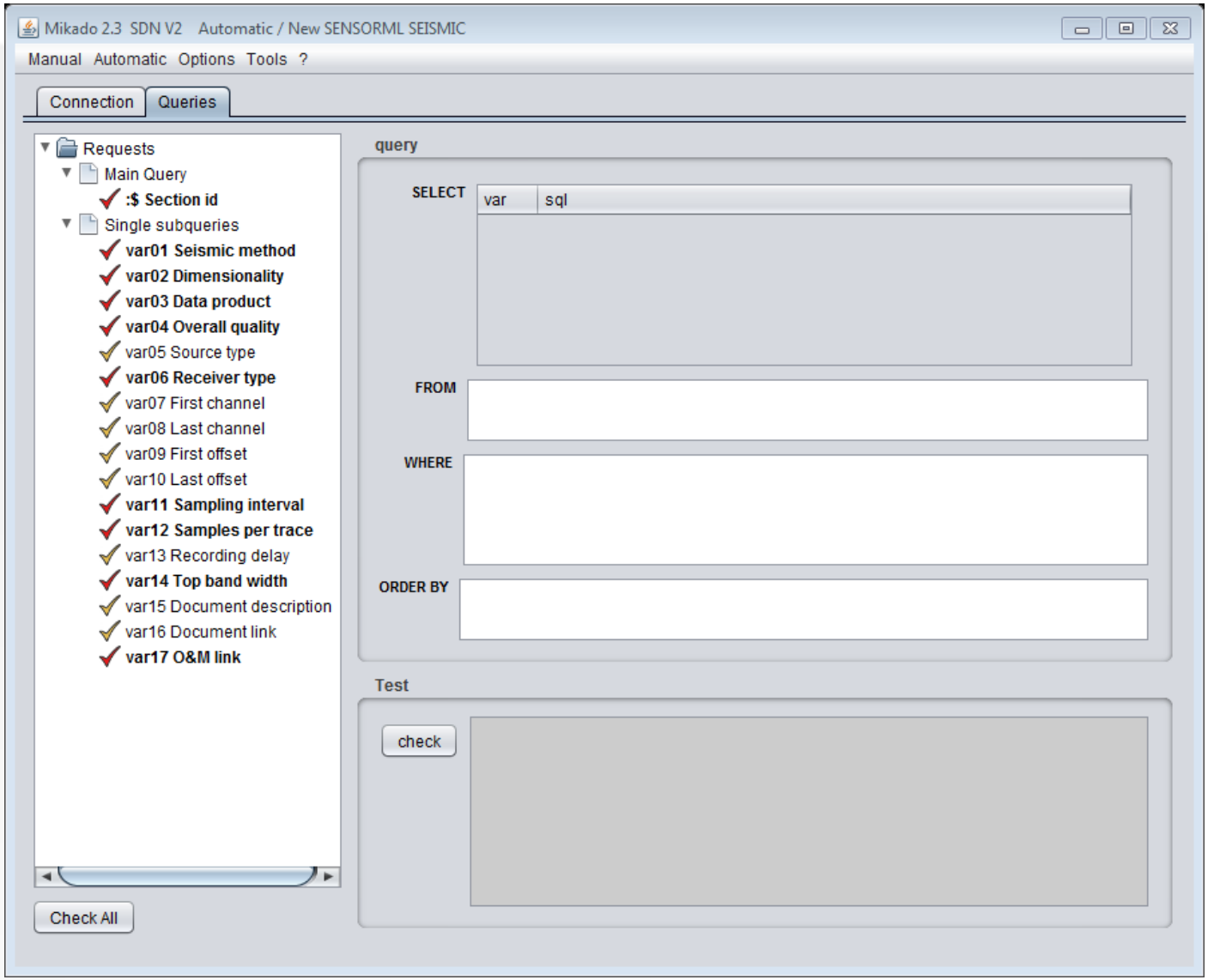
MIKADO manual SensorML



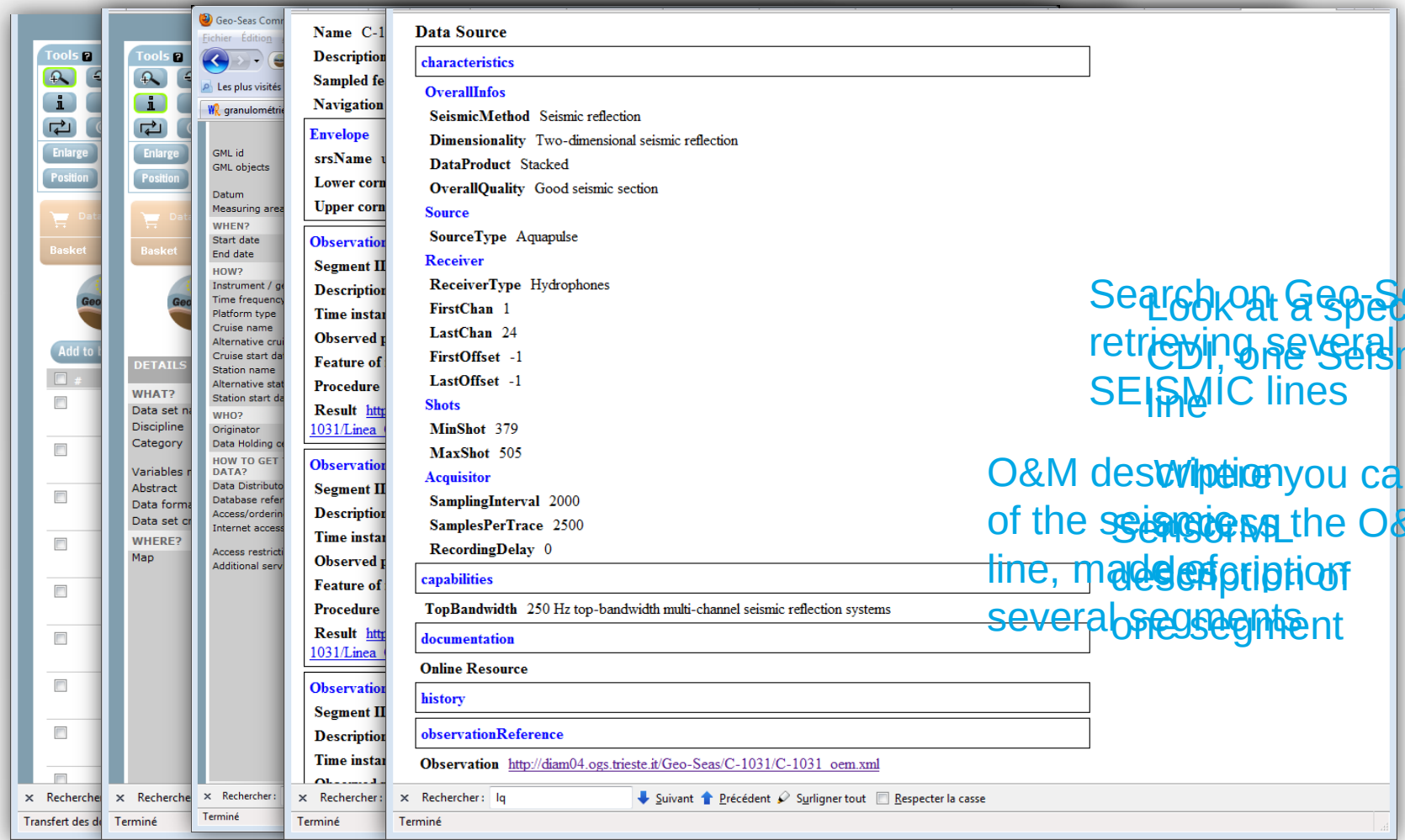
MIKADO Automatic O&M



MIKADO Automatic SensorML



Example on Geo-Seas



Search on Geo-Seas retrieving several SEISMIC lines

Look at a specific CDI, one Seismic line

O&M description of the seismic line, made of several segments

Where you can see the O&M description of one segment

MIKADO, next releases

- Release 2.5, planned 11/2012
  - For Geo-Seas, new MODUS (4, 5) in the coupling table for the online viewer of seismic data
- Release 3.0, planned 12/2012
  - Support ISO-19139 CDI format for manual edit and batch

    Interaction needed between Ifremer and CNR for mapping details between ISO-19115 and ISO-19139
  - BODC vocabulary, version 2

    New services to be included

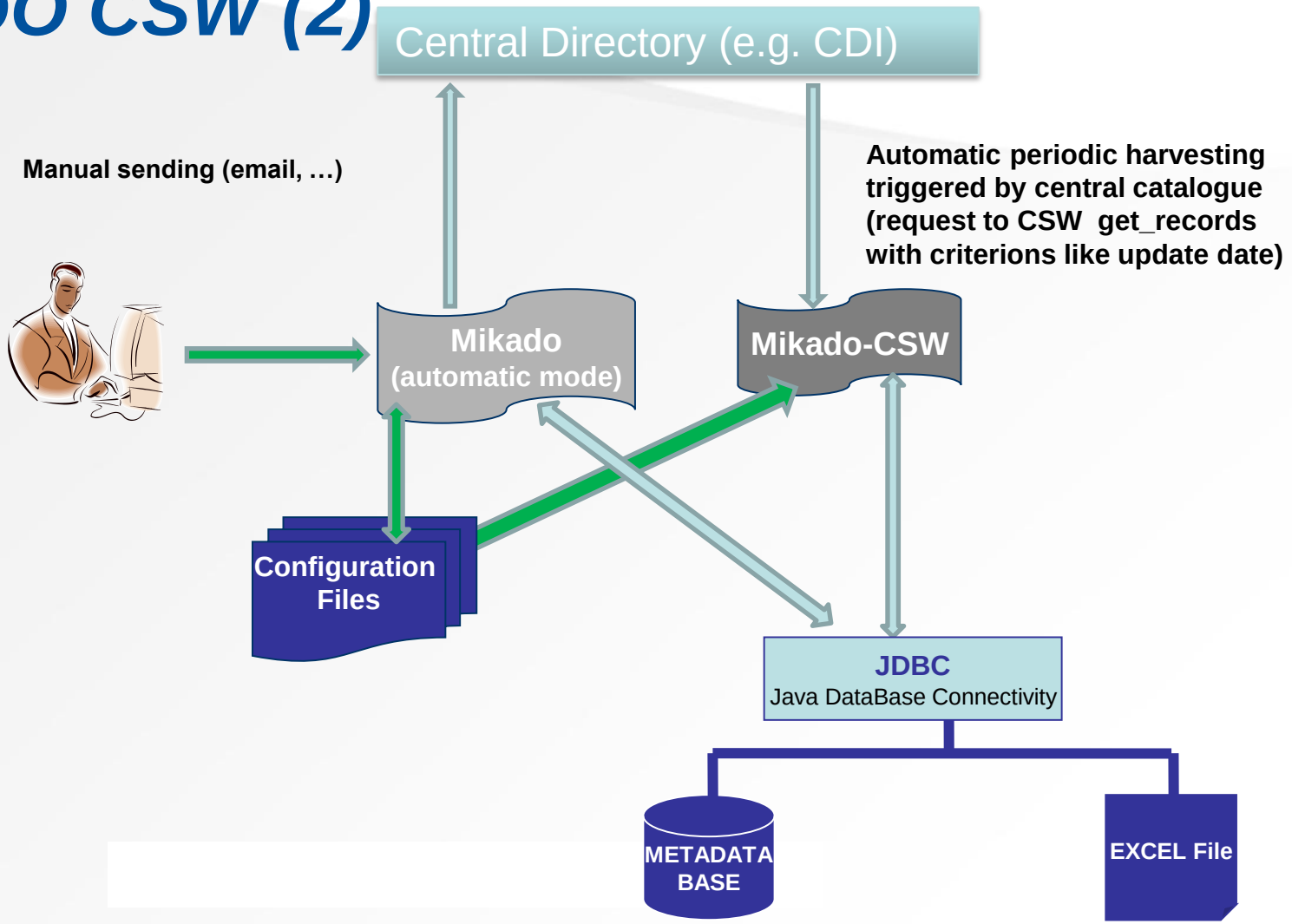
    Backwards compatibility with old XML files : Read of old URN and conversion to new ones
  - Pre-requirements

    Importation tools must be ready for ISO-19139 catalogues and must manage BODC V2 vocabulary

MIKADO CSW (1)

- Why making use of Catalogue Services for the Web to update Central Catalogues?
  - To decrease the delay between updates of Central catalogues
  - To automate the metadata flows from Data Centres metadata repositories to Central Catalogues
- When making use of CSW ?
  - For frequent updates (e.g. new data to be described weekly in CDI)

MIKADO CSW (2)


Central Directory (e.g. CDI)
Manual sending (email, …)
Automatic periodic harvesting triggered by central catalogue (request to CSW get_records with criterions like update date)
Mikado
(automatic mode)
Mikado-CSW
Configuration Files
JDBC
Java DataBase Connectivity
METADATA BASE
EXCEL File

NEMO – 3 releases since last plenary

- 1.3.1 (2 March 2011)
- 1.4.0 (8 July 2011)
- 1.4.3 (24 January 2012)
- 1.4.4 (23 May 2012)
- **1.4.5 (11 July 2012)**
  - **Current release**

NEMO v1.4.3, released 24 January 2012

- Several input and output files for trajectories
- Preferences and settings kept when installing a new version of NEMO
- Save a uncompleted model (only some steps are validated)
- To run NEMO in batch mode from any directory
- Mandatory filed are marked by a '*' in the input screens
- In the Data screen :
  - **Output default value is not mandatory** if the output format is **ODV**
  - **Position of the measured parameters are highlighted** in the file on the screen (check facility)

NEMO v1.4.4, released 23 May 2012

- Time-series **with non-constant sampling rate** are supported
- **Non numerical parameters** can be described in the "Data" screen
- Response time improved for the display of the "Station" screen
- some known bugs have been corrected

NEMO v1.4.5, released 11 July 2012

- Main changes are bugs corrections detected in Ostende during the training course (2-6 July, 2012)
  - End date of time series with not constant sampling rate
  - Address of the file in the coupling table
  - Default value in ODV format

NEMO next releases – major changes

- V1.5
  - BODC vocabulary, version 2
  - More checks on user input for separator description
  - Release is ready, wait for BODC V2 official implementation in all SeaDataNet software
- V1.6
  - Conversion to NetCDF format
  - Development will start as soon as NetCDF format is validated : any date?

SeaDataNet

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