

Delen van (meta)data via EMODnet



Content

Data submission in EMODnet Ingestion

Data submission naar MDK

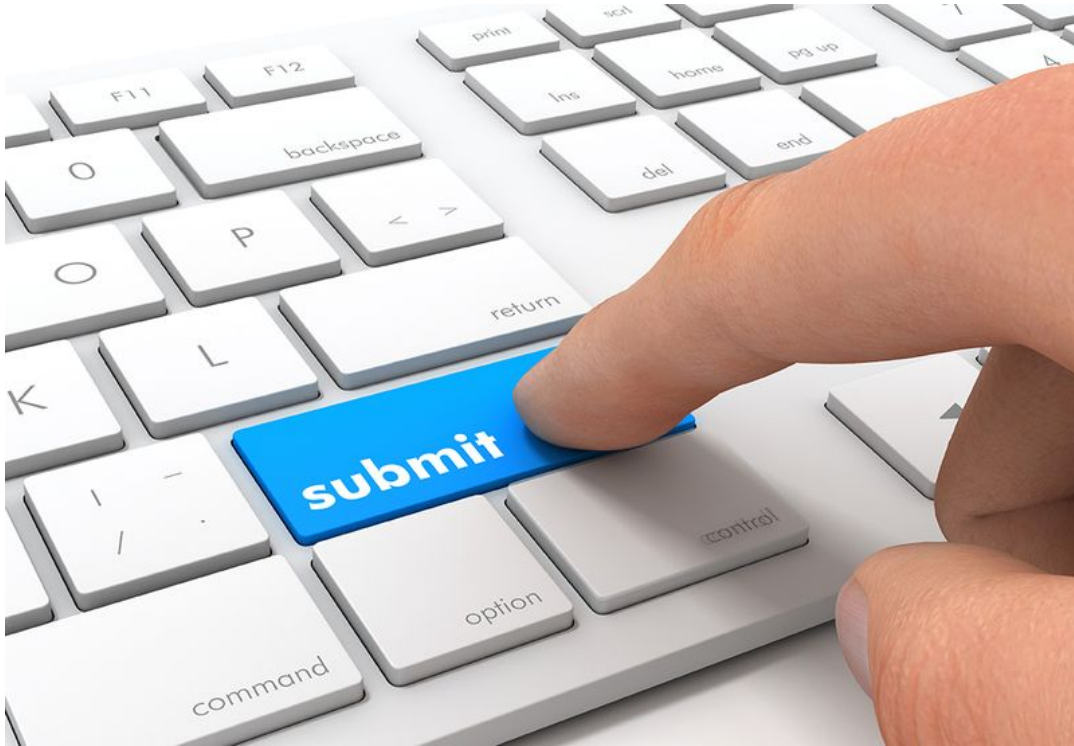


Content

Data submission in EMODnet Ingestion

Data submission naar MDK

Data submission in EMODnet Ingestion



Goal is to assist data providers

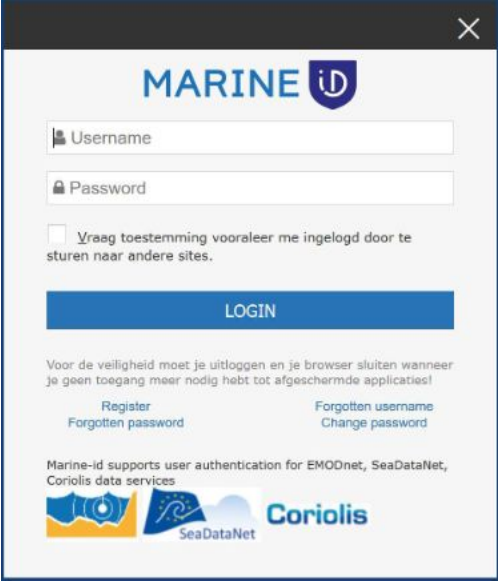
- not yet routinely submitting data sets to national data centres
- not (yet) used to practices and standards as used by the international marine data management community

Data submission in EMODnet Ingestion

Steps for data submitter:

<https://www.emodnet-ingestion.eu/data-submission>

1. **login MarineID**
2. submit basic metadata



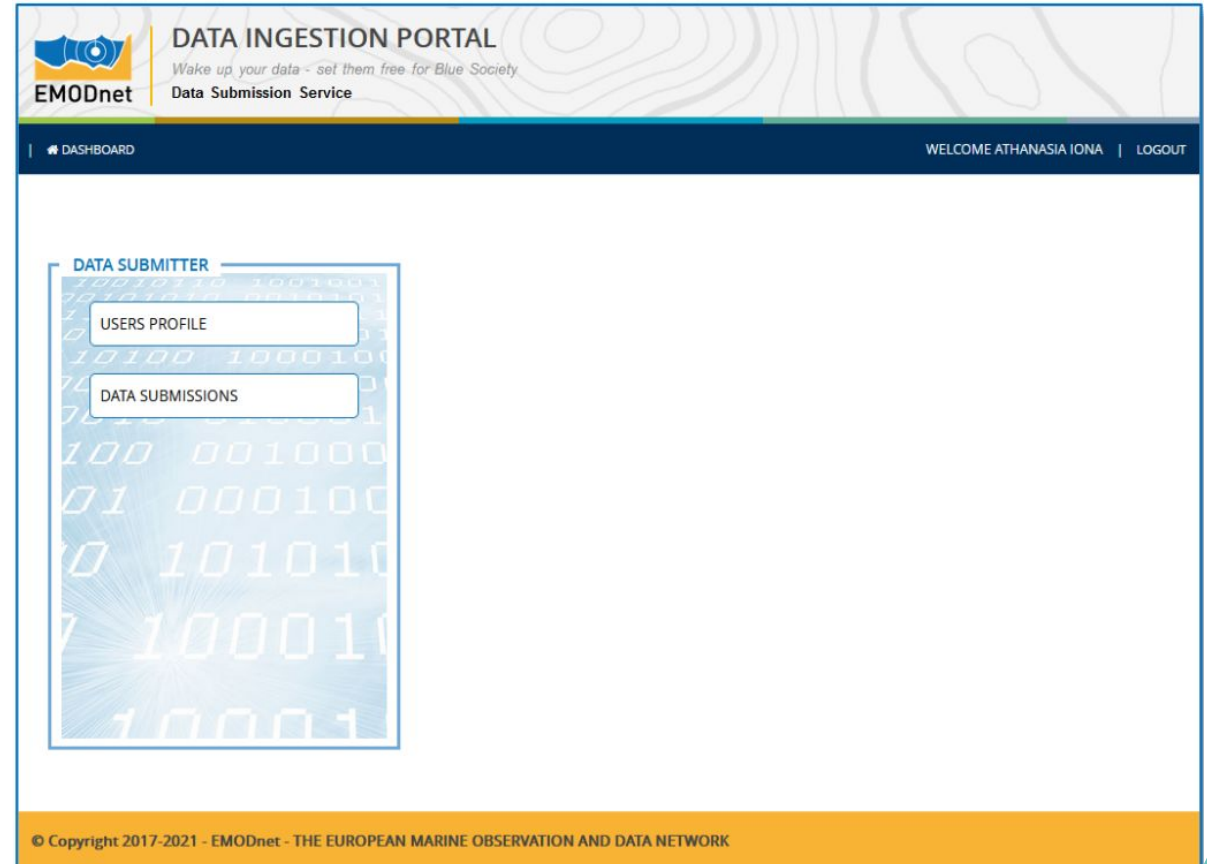
The screenshot shows the MarineID login interface. At the top is the 'MARINE ID' logo. Below it are two input fields: 'Username' and 'Password'. A checkbox labeled 'Vraag toestemming vooraleer me ingelogd door te sturen naar andere sites.' is present. A blue 'LOGIN' button is centered below the inputs. A security warning in Dutch is displayed: 'Voor de veiligheid moet je uitloggen en je browser sluiten wanneer je geen toegang meer nodig hebt tot afgeschermd applicaties!'. Below this are links for 'Register', 'Forgotten password', 'Forgotten username', and 'Change password'. At the bottom, a text line states 'Marine-id supports user authentication for EMODnet, SeaDataNet, Coriolis data services', followed by logos for EMODnet, SeaDataNet, and Coriolis.

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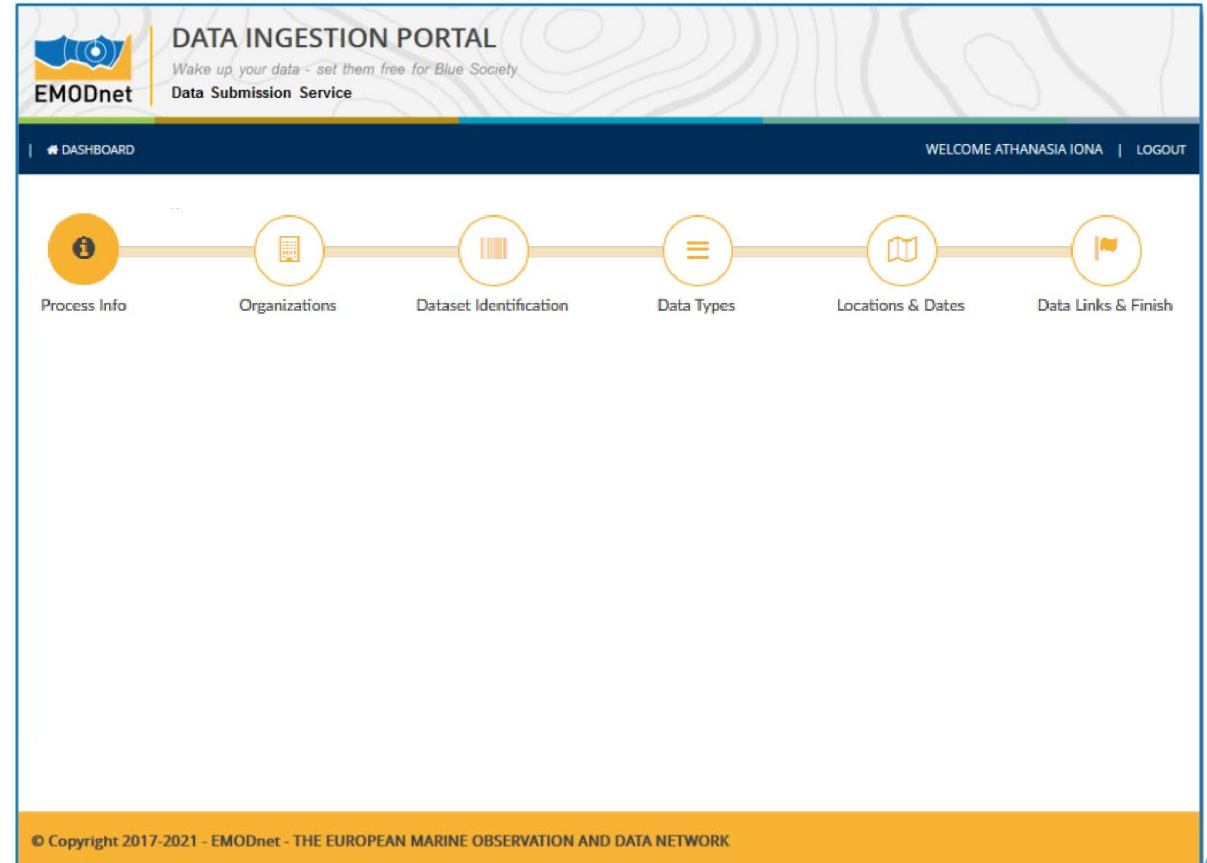


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<https://www.emodnet-ingestion.eu/data-submission>

1. login MarineID
2. **submit basic metadata**

The screenshot displays the 'DATA INGESTION PORTAL' interface. At the top, the EMODnet logo is on the left, and the text 'DATA INGESTION PORTAL' and 'Wake up your data - set them free for Blue Society Data Submission Service' is on the right. Below this is a dark blue navigation bar with 'DASHBOARD' on the left and 'WELCOME ATHANASIA IONA | LOGOUT' on the right. A horizontal progress bar shows six steps: 'Process Info', 'Organizations' (highlighted), 'Dataset Identification', 'Data Types', 'Locations & Dates', and 'Data Links & Finish'. The main content area is titled 'Organizations' and contains a section 'CONTACT PERSON FOR THIS DATASET SUBMISSION FORM' with a red asterisk indicating required fields. The form fields are: 'Name' (Athanasia), 'Surname' (IONA), 'Email' (sissy@hmodc.hcmr.gr, with a note 'Email is taken from your profile'), 'Country' (Greece, with a note 'Country is taken from your profile'), and 'Organization' (HCMR). A red asterisk is also present at the bottom right of the form area. Below the form is a section titled 'ORGANIZATIONS RESPONSIBLE FOR THE DATASET'.

DATA INGESTION PORTAL
Wake up your data - set them free for Blue Society
Data Submission Service

DASHBOARD | WELCOME ATHANASIA IONA | LOGOUT

Organizations

Process Info | Organizations | Dataset Identification | Data Types | Locations & Dates | Data Links & Finish

CONTACT PERSON FOR THIS DATASET SUBMISSION FORM *

Name * Athanasia
Surname * IONA
Email * sissy@hmodc.hcmr.gr
Email is taken from your profile
Country * Greece
Country is taken from your profile
Organization * HCMR

ORGANIZATIONS RESPONSIBLE FOR THE DATASET *

Data submission in EMODnet Ingestion

Steps for data submitter:

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EMODnet

DATA INGESTION PORTAL
Wake up your data - set them free for Blue Society
Data Submission Service

DASHBOARD

WELCOME ATHANASIA IONA | LOGOUT

Process Info Organizations Dataset Identification Data Types Locations & Dates Data Links & Finish

Dataset Identification

* = Required

DATASET GENERAL INFORMATION

Title of dataset * test title

Narrative summary of dataset * Narrative summary of the dataset

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Data submission in EMODnet Ingestion

Steps for data submitter:

<https://www.emodnet-ingestion.eu/data-submission>

1. login MarineID
2. **submit basic metadata**

The assigned data centre will help filling in additional (meta)data and link it to code lists if available

- cruise summary reports (CSR)
- platform type (SeaVox L06)
- platform name (ICES platform code)
- instrument type (SeaDataNet Device Categories L05)
- Instrument (Seavox Device Catalogue)
- ...

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Data submission in EMODnet Ingestion

<https://www.emodnet-ingestion.eu/data-submission>

Live Demo



Content

Data submission in EMODnet Ingestion

Data submission naar MDK

metadata in MDA



Common Data Index (CDI) metadata format

Marine Data Archive



Intro Archive Manual Policy Register Contact FAQ

File: '20120724_Oostdyck_VLIZ.asc'

IMIS metadata and citations

File properties

Filename	20120724_Oostdyck_VLIZ.asc
Direct link	https://mda.vliz.be/directlink.php?fid=VLIZ_00001147_62d51e0728b8c185115712
Datatype	Bathymetric data
MIMEtype	application/octet-stream
Authors	Thomas Vandorpe
Dataprovider	Vlaams Instituut voor de Zee (VLIZ)
Email Dataprovider	infrastructuur@vliz.be
Conditions of use	Users of this dataset agree to acknowledge VLIZ. The following acknowledgement is suggested: "Bathymetric data were provided by Flanders Marine Institute (VLIZ)."
Creationdate	2012-07-24
Submitter	Hanifish Dinah
Submit date	2022-07-18 08:47:03
Archived by	Hanifish Dinah
Archive date	2022-07-18 08:47:03
Path	VLIZ bathymetryBCP/
Start year	
End year	
Summary	
Description	variable error induced heave on the motion sensor
Changes	

Metadata

Acquisition	
Ship / platform	RV Simon Stevin
Echosounder type	EM2040 single head
Frequency (KHz)	400
Positioning device	RTK
Additional acquisition metadata	
Geographic scope	
Sea area	North Sea (MRGID2350)
Location	Oostdyck
Min. latitude	51.32461111
Min. longitude	2.493197222
Max. latitude	51.34220556
Max. longitude	2.596291667
Geodetic model	ETRS89/LAEA (epsg: 3035)
Z-Reference	LAT

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- this file has been created using MIKADO version 3.6.4 -->
<?xml-model href="https://schemas.seadatanet.org/Standards-Software/Metadata-formats/SDN_CDI_ISO19139_12.2.0."
  <gmd:MD_Metadata xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi"
  <gmd:fileIdentifier>
    <gco:CharacterString>urn:SDN:CDI:LOCAL:20171124_Wielingen_VLIZ</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gmd:LanguageCode codeList="https://vocab.nerc.ac.uk/isoCodeLists/sdnCodeLists/gmxCodeLists.xml#Language"
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://vocab.nerc.ac.uk/isoCodeLists/sdnCodeLists/gmxCodeLists.xml#
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://vocab.nerc.ac.uk/isoCodeLists/sdnCodeLists/gmxCodeLists.xml#MD_Sco
  </gmd:hierarchyLevel>
  <gmd:hierarchyLevelName>
    <sdn:SDN_HierarchyLevelNameCode codeList="https://vocab.nerc.ac.uk/isoCodeLists/sdnCodeLists/edmoCode
  </gmd:hierarchyLevelName>
  <gmd:contact>
    <gmd:CI_ResponsibleParty>
      <gmd:organisationName>
        <sdn:SDN_EDMOCCode codeList="https://edmo.seadatanet.org/isocodelists/edmo-edmerp-codelists.xml#SI
      </gmd:organisationName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:phone>
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          </gmd:phone>
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              <gmd:deliveryPoint>
                <gco:CharacterString>Administratief Centrum Vrijhavenstraat 3 </gco:CharacterString>
              </gmd:deliveryPoint>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:CI_ResponsibleParty>
    </gmd:contact>
  </gmd:MD_Metadata>
```

specific data type: bathymetric data

metadata in MDA



Common Data
Index (CDI)
metadata format

Mikado 3.6.4 SDN V2 Manual / CDI : S:\data\Projects\EMODNet\IV Bathymetry Lot\Metadata\2021-08-24_VLIZ_CDI\170927_Schooneveld_VLIZ.xml

Manual Automatic Options Tools ?

Identification Where When What How Who Where to find the data Cruise/Station Documentation Quality Others

Dataset-id * 20170927_Schooneveld_VLIZ

CDI identifier * urn:SDN:CDI:LOCAL:20170927_Schooneveld_VLIZ

Dataset-name * Bathymetry (ten noorden van Schooneveld, 2017-09-27)

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.

metadata in MDA



Common Data
Index (CDI)
metadata format

Mikado 3.6.4 SDN V2 Manual / CDI : S:\data\Projects\EMODNet\IV Bathymetry Lot\Metadata\2021-08-24_VLIZ_CDI\170927_Schooneveld_VLIZ.xml

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- unique CDI identifier

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Manual Automatic Options Tools ?

Identification Where When What How Who Where to find the data Cruise/Station Documentation Quality Others

Parameters

Parameter	code list value
* Bathymetry and Elevation	MBAN

Abstract * of the North Sea, using echosounder type EM2040 dual head. Users of this dataset agree to acknowledge Flanders Mari

- unique CDI identifier
- use of code lists for certain values (e.g. parameters, institutions,...)

metadata in MDA



Common Data
Index (CDI)
metadata format

Mikado 3.6.4 SDN V2 Manual / CDI : S:\data\Projects\EMODNet\IV Bathymetry Lot\Metadata\2021-08-24_VLIZ_CDI\170927_Schooneveld_VLIZ.xml

Manual Automatic Options Tools ?

Identification Where When What How Who Where to find the data Cruise/Station Documentation **Quality** Others

Quality procedure

Name	Date	Comment	Status
QI_Horizontal	2021-08-06	3	true
QI_Vertical	2021-08-06	4	true
QI_Age	2021-08-06	3	true
QI_Purpose	2021-08-06	3	true

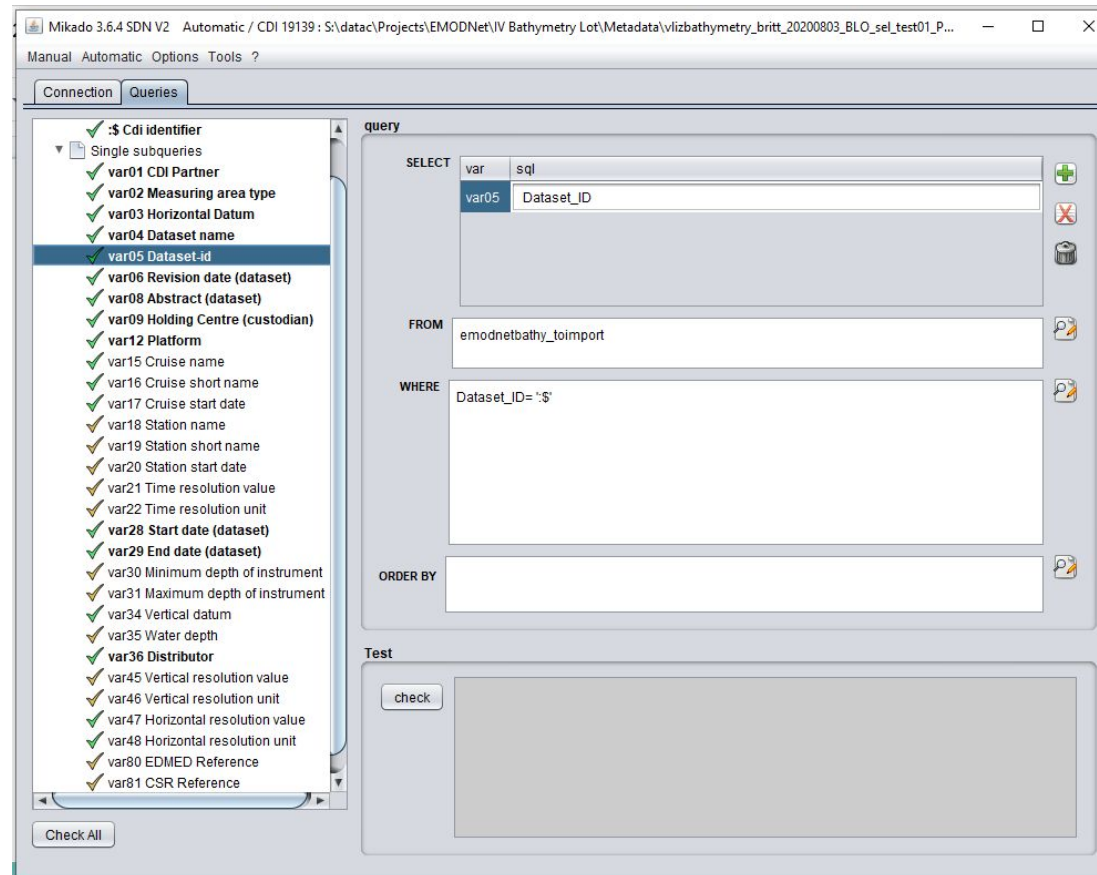
- unique CDI identifier
- use of code lists for certain values (e.g. parameters, institutions,...)
- provision of quality indicators (e.g. horizontal and vertical resolution)



metadata in MDA



Common Data
Index (CDI)
metadata format



automatic
generation from
db (PostgreSQL,
Access, .csv,...)
after mapping of
variables

data in MDA MDK

- delivery of **validated data** in XYZ format
 - UTM31N-ETRS89/WGS84
 - additional parameters to mention: grid size + reference plane

