SeaDataCloud - TTG1 - Riga - Nov. 28, 2016

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Upgrading MIKADO, NEMO and other Format tools

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Task WP9.3 - Upgrading existing maintenance services and tools for SeaDataNet national nodes and data centres

- Upgrading MIKADO XML editor, which enables data centres to prepare XML metadata files for the SeaDataNet directories (IFREMER),
- Upgrading NEMO software, which enables to create files at SeaDataNet formats (IFREMER),
- Replacing the existing set of reformatting tools (such as MedSDNtoCFPOINT, OdvSDN2CFPOINT and others) by a unique tool making all the possible SeaDataNet format conversions, including the INSPIRE output (IFREMER).

MIKADO – XML generator

- To create CSR, EDMED, EDMERP, EDIOS and CDI xml description ➔ metadata catalogues
- Last release v3.3.5 (28/11/2016)
  - Add-on
    - Mikado Automatic : editor added for long clause (from,where,order by)
  - Bug fixed
    - Log for Mikado batch in automatic mode produces "Mikado ended" instead "Mikado ended with error" when error occurs

Mikado 3.3.6 SDN V2 Automatic / CDI 19139 : C:\test_logiciels\MIKADO\Requêtes\CDI_SURVAL_BIOPhytoplankton_tocreate.xml

Manual Automatic Options Tools ?

Connection Queries

- var35 Water depth
- **var36 Distributor**
- var45 Vertical resolution va
- var46 Vertical resolution ur
- var47 Horizontal resolution
- var48 Horizontal resolution
- var80 EDMED Reference
- var81 CSR Reference
- Multiple subqueries
- **var07 Originators (datase**
- **var10 Parameters**
- var11 Instruments
- var13 Projects
- **var14 Access Restriction**
- **var24 West longitude**
- var25 East longitude
- **var26 South latitude**
- var27 North latitude
- **var37 Format name**
- **var38 Format version**
- var39 Distribution-data size
- **var40 Distribution-data we**
- var41 Distribution-databas
- **var42 Distribution-protocc**
- **var43 Distribution-method**
- var60 Curves-description
- var62 Curves-name
- var63 Curves-coordinates
- var70 Surfaces-description
- var72 Surfaces-name
- var73 Surfaces-coordinate
- var90 Documentation URL
- var95 Quality procedure na
- var96 Quality procedure da
- var97 Quality procedure co

Check All

query

Test

from clause

```
(select  decode(upper(R.ANALYST),'ARVAM',4499,'CREMA',518,'CSLN',4498,'DHI-HORSHOLM-DK',740,'ECOLAB',4444,'
ECOMAR',1960,'LECOB',4503,'LER/PAC/CO',1882,'LER/PAC/TL',819,'LER/PC/LR',518,'LER/PC/LT',1946,'LHUM',1874,'L
IENSS',1879,'LOBP_MARSEILLE',1084,'MARLU',1086,'PDG-ODE-DYNECO-PELAGOS',441,'PDG-ODE-DYNECO-VIGIE
S',1838,'PDG-ODE-LER-LERFBN',2974,'PDG-ODE-LITTORAL-LERAR',1001,'PDG-ODE-LITTORAL-LERBL',1031,'PDG-
ODE-LITTORAL-LERBN',4500,'PDG-ODE-LITTORAL-LERBO',2974,'PDG-ODE-LITTORAL-LERLR',537,'PDG-ODE-LITT
ORAL-LERN',509,'PDG-ODE-LITTORAL-LERPAC',819,'PDG-ODE-LITTORAL-LERPC',1056,'PDG-ODE-LITTORAL-PHY
C',503,'PDG-RBE-BE',527,'PDG-RBE-BE-LBCM',527,'PDG-RBE-BE-LBCO',527,'ROSCO',521,'STARESO',4501,'UBOCM',
3502,'UCBN - BIOMEA',2877,'UMSHO',518,'VILLEFRANCHE',3928,null) edmo
 from  SUR_DBA.P_30200_PARAMETER_GROUP@SUR_DBA_BATCH_EXP G, SUR_DBA.P_30200_PARAMETER@
SUR_DBA_BATCH_EXP P, SUR_DBA.P_30200_RESULT@SUR_DBA_BATCH_EXP R
 where   g.par_group_id = p.par_group_id and
p.par_cd = R.par_cd and
R.ent_id= substr(':$',1,instr(':$','_')-1)
and r.matrix_id=decode(substr(':$',instr(':$','_',-1)+1),'Surf',4,'SD',18,'Bot',2)
and  g.par_group_id =4
union select 1838 from dual) o
```

Ok Cancel

NEMO

- To convert ASCI file to one of the SeaDataNet standard formats
  - SDN ODV
  - SDN NetCDF
  - SDN MEDATLAS
- Last release NEMO 1.6.3 (09/06/2016)

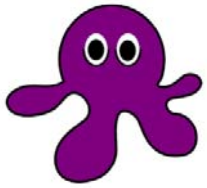
Last releases

- 1.6.3 - 2016/05/19
  - Bug corrections concerning:
    - Error on date and times for conversion of trajectories if dates and times are read in input file
    - Error on title in L22 selection window
- 1.6.2 - 2016/01/04
  - Bug corrections concerning:
    - Error on files containing textual data and using P01 via P02 BODC parameters
    - Summary_cdi_nemo.xml file
    - Stations order in output files: sort by date and then by station number
  - Adds-on:
    - Improve parameters/units selection tables
- 1.6.1 - 2015/07/15
  - Bug corrections concerning:
    - Coupling table (bug on import and edition)

NEMO next version

- Change of the CSV input file managing
  - Input file with separators
    - Actual NEMO version:
      - Creation of a temporary file without separators and with data measurements aligned on the decimal points ➔ same case than file with no separators
      - No more temporary files ➔ NEMO will just need to know in which column are the parameters
        - Example : col 1 ➔ Depth, col 2 ➔ Temperature…

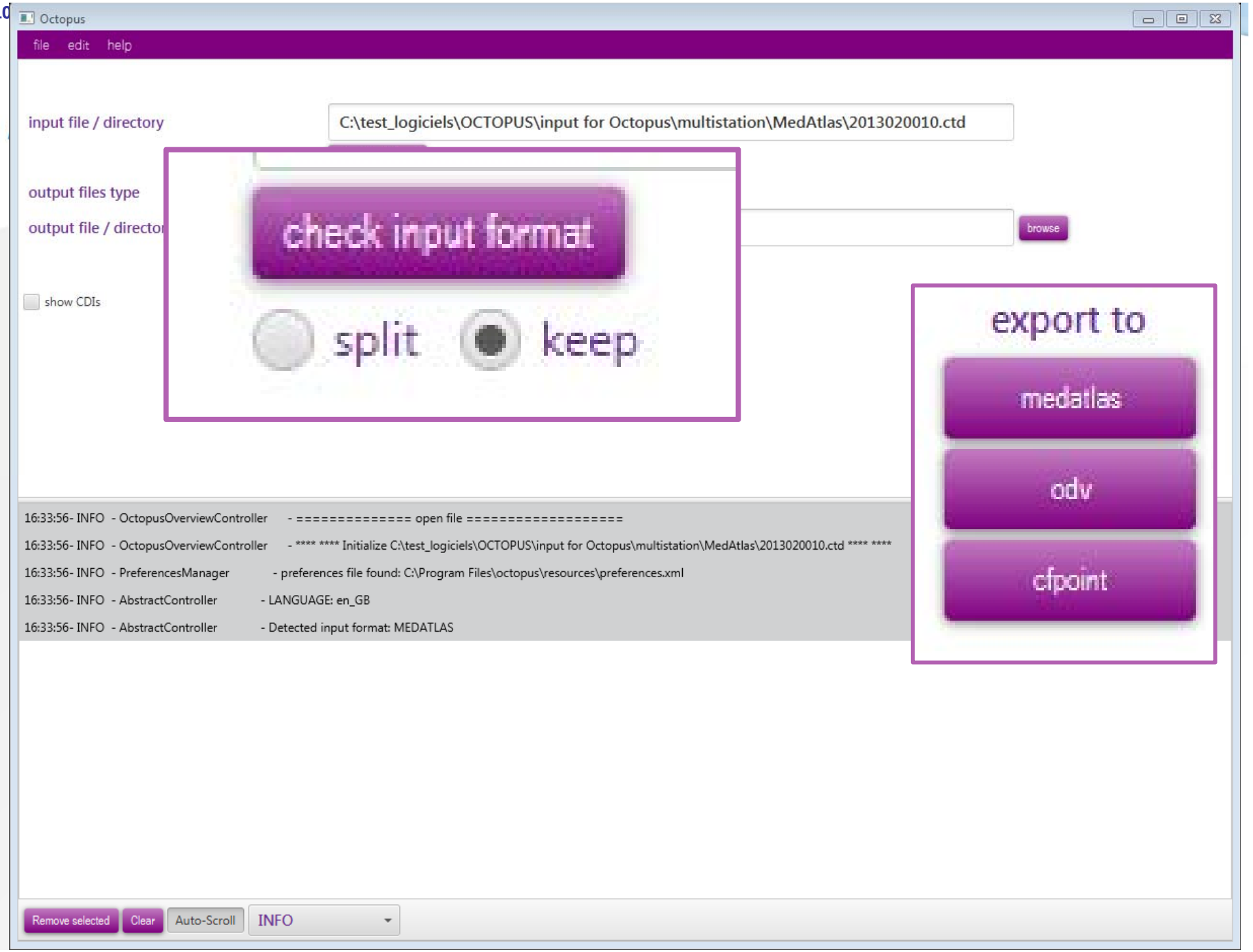
New tool: OCTOPUS



- Javatool compliant with Windows and Linux, works in **interactive** mode and in **batch** mode
- Last test ongoing, release beginning of 2017
- For SeaDataNet format conversion
  - Replace the previous tools
    - Change_Vocab_V1toV2
    - Med2MedSDN: convert old MedAtlas file to SDN MedAtlas
    - Med2SDN2CFPOiNT: Convert SDN MedAtlas to SDN NetCDF
    - Odv2SDN2CFPOINT: Convert SDN ODV to SDN NetCDF
  - New conversions
  - Possibility of splitting the input files station per station
  - Check ODV and MedAtlas format

Possible conversions

Input files / Output files	Old MedAtlas	SDN MedAtlas	SDN ODV	SDN NetCDF	MGD v81	MGD v98
SDN MedAtlas	Replace Med2MedSDN	✓	X	X	X	X
SDN ODV	New	New	✓	X	New	New
SDN NetCDF	New	Replace MedSDN2CFPOiNT	Replace OdvSDN2CFPOINT	✓	X	X


Octopus
file edit help
input file / directory
C:\test_logiciels\OCTOPUS\input for Octopus\multistation\MedAtlas\2013020010.ctd
output files type
output file / directo
browse
show CDIs
check input format
split
keep
export to
medatlas
odv
cfpoint
16:33:56- INFO - OctopusOverviewController - ========== open file ==========
16:33:56- INFO - OctopusOverviewController - **** **** Initialize C:\test_logiciels\OCTOPUS\input for Octopus\multistation\MedAtlas\2013020010.ctd **** ****
16:33:56- INFO - PreferencesManager - preferences file found: C:\Program Files\octopus\resources\preferences.xml
16:33:56- INFO - AbstractController - LANGUAGE: en_GB
16:33:56- INFO - AbstractController - Detected input format: MEDATLAS
Remove selected
Clear
Auto-Scroll
INFO