

Agenda Biological and Ecological Traits of marine species Workshop

Tuesday 09/06/2015

- Morning: Plenary presentation +discussion (chair: Dan Lear)

09.00-11.00

- Introduction (Simon Claus, VLIZ 15')
- Biological and ecological traits of marine species: the rationale (Mark. Costello, Univ Auckland 15')
- Data collection work done so far:
 - Species' importance to society - Numbers and statistics (15' Dan Lear, MBA)
 - The World Register of Introduced Marine Species (Leen Vandepitte, VLIZ 15')
 - Inclusion data from pilot projects, including bodysize data (Stefanie Dekeyzer, VLIZ 15')
- Interfaces, vocabularies webservices and workflows
 - Interface attribute selection and trait based workflows, developed under the Lifewatch VRE (Simon Claus, VLIZ 15')
 - Interface vocabulary published in semantic Wiki (Harvey Tyler Walters, MBA 15')
 - The application of traits thesauri in LifeWatch Italy (Nicola Fiori, University of Salento 15')

11.00-11.30: Coffee

11.30-12.15

- Applications of trait data
 - "Individual traits or life-history groups: does it matter? - An example from the North Sea benthos" (Olivier Bauchard, NIOZ 20')
 - Where EurOBIS, WoRMS & EMODNET meet: progress and possible user cases for European nematode biomass data (Jan Vanaverbeke, UGhent 20')

12.15 - 13.00

- Global trait related initiatives and discussion
 - "A global marine plankton trait database: user community, challenges, and possibilities (Andrew Barton, Princeton University 20')
 - Marine trait data within EOL: structure and statistics (Jennifer. Hammock, EOL 15')

Lunch: 13.00-14.00

Afternoon: 14.00-17.30

- Discuss objectives break out groups (plenary)
- Breakout groups (Suggested content and participants, open to changes)
 - Group 1: Review vocabulary and approach and timeline to implement priority traits data
Chair: **Simon Claus** - Suggested participants: Harvey Tyler Walters , Leen Vandepitte, , David Johns, Geoff Boxshall, Jennifer Hammock, Serge Gofas, Mary Kennedy
 - Group 2: Tools, interfaces and workflows for analysis and visualization traits, taxonomic information and and distributions
Chair: **Dan Lear**. Suggested participants: Bart Vanhoorne, Dmitry Schigel, Lea Roselli, Nicola Fiore, Stephane Pesant, Tjess Hernandez
 - Group 3: Identifying scientific use cases using available trait, taxonomy and distributions data
Chair: **Mark Costello** - Suggested participants: Jan Vanaverbeke, Andrew Barton, Jan Mees, Olivier Bauchard, Geoffrey Read, Stefanie Dekeyzer

Evening: Joint dinner

Wednesday 10/06/2015

09.00-10.30

- Morning: Plenary session: trait data mining: tools and possibilities
 - Automatic extraction of habitat information from literature / web pages and visualization and processing of that info (by Evangelos Pafilis, HCMR)
 - Traits mining from legacy literature in the framework of the EUBON project (Donat Agosti, PLAZI)
 - Discussion on best possible approach for EMODnet traits

10.30-10.45: Coffee

10.45-12.30

Continuation work in break out groups and wrap up

Lunch

14.00-16.30

- Afternoon: Outcome breakout groups (presentation and discussion: 30minutes/group)
- Planned actions related to traits within Lifewatch/EMODnet/WoRMS for 2015-2016 (30 minutes)
- Closing