

Training School “Cumulative Effects Analysis applied to Marine Ecosystems”

Dates: 20th to 22nd of February 2018 (3 days, 4 nights)

Place: Hamburg (Germany) – Thünen Institute (Institute of Sea Fisheries)

Trainers: Vanessa Stelzenmüller, Marta Pascual, Antony Knights, Antonios Mazaris & Roland Cromier

Objectives: This three-day training school aims to teach participants how specific methodologies can be implemented to conduct risk based cumulative effects assessments at various spatial scales in European and adjacent seas. The methods that will be targeted are Bayesian believe networks, iMSE risk assessment tools and bow-tie analysis, while some considerations about methods to integrated climate change into Cumulative Effects Assessments (CEAs) will be also included. The final aim of the training school is to assist participants to make progress in their CEAs case studies, which have been previously identified to contribute to Deliverable D1.2 of WG1 of MarCons regarding the assessment of cumulative impacts in European and contiguous seas with emphasis on specific case studies representing different ecosystem types and regions. The training school will be a mixture of lectures and hand-on tutorials. It is expected that participants come prepared to the workshop and provide a case study narrative, some data, and a strategy on how the selected methods should be implemented. All participants will be provided background material and essential readings regarding the selected methods prior to the workshop.

Participants: Maximum 14 participants. Preference will be given to participants that are developing case studies dedicated to apply cumulative effect analyses in European and adjacent seas within MarCons context. However, other motivated participants will be considered.

Expected outcomes: outline of the case study by participant and advance on the risk based CEA.

Applications: To apply for the training school please send an email to Vanessa Stelzenmüller (vanessa.stelzenmueller@thuenen.de) and Marta Coll (mcoll@icm.csic.es), explaining your motivation for participating and whether you intend to run a case study contributing to D1.2 of WG1.

Financial support of trainees: Marcons will offer a grant to support trainees who will be attending the Training school. Training grants do not necessarily cover all expenses related to the Training school but are rather a contribution to the overall travel, accommodation and meal expenses. The maximum amount attributed to each trainee is 840 €. The maximum amount afforded for accommodation and meal expenses cannot exceed 140 €/day.

Additional interesting courses to consider within the context of the Training School for CEAs on Marine Ecosystems:

- Introductory course on Bayesian Species Distribution modelling. 27th of February to 2nd of March 2018. Institute of Marine Science (ICM-CSIC, <http://barcelona-ocean.com>)
- Ecopath with Ecosim introductory course (Second half of 2018, dates to be fix), Barcelona: <http://barcelona-ocean.com/course/ewe-intro>
- Introductory course on Marxan. TBD (Second half of 2018). Supported by MarCons.
- Artificial Intelligence for Ecosystem Services Courses (<http://springuniversity.bc3research.org/>)