

ADVANCING MARINE CONSERVATION IN THE EUROPEAN AND CONTIGUOUS SEAS



MARCONS WORKSHOP
16-18 April, Rome, Italy

WG2 workshop on Threat Syndromes: Challenges and Objectives Under a changing planet

Organized by Simonetta Fraschetti & Antonios Mazaris

Dates: **16-18 April 2018**

Place: Consorzio InterUniversitario per le Scienze del Mare (<http://www.conisma.it/en/>)

The basic goal of the workshop is to consolidate a network of scientists largely involved in the conservation and management of European and contiguous seas, to develop standard classifications of threats affecting marine ecosystems.

The specific workshop objectives are:

1. Getting to know each other and each other's work
2. Develop ideas on how to apply a unified classification of threats
3. Compare tools so to identify gaps and methodological or practical limitations in threat analyses
4. Major challenges when incorporating threats into conservation/management planning (e.g. scale sensitivity, uncertainty assessment, spatio-temporal resolution).
5. Explore whether the above ideas could be demonstrated in case-studies
6. Propose a work plan for generating a research paper to deal with above mentioned challenges
7. Plan for another meeting in 2019 to further advance our work.

Aim and tasks

The knowledge on the occurrence, intensity, magnitude and effects of threats is critical in order to plan management and conservation efforts. Rarely, threats act in isolation. More often we deal with multiple stressors affecting marine ecosystems synergistically, additively or multiplicatively, with outcomes that are often difficult to predict. This difficulty is further complicated by the idiosyncratic terminology used to define "threats". A consistent classification of threats and common terminology allowing to systematically analyze the threats of marine ecosystems, as a tool for scientists and managers, is still lacking.

The main objective of this workshop is to explore the possibility to create a systematic classification of marine biodiversity threats using a framework with explicit criteria. The following key tasks will be discussed:

1. Development of a unified classification of threats (see Salafsky et al. 2008. Cons Biol, 22: 897-911).

2. Dealing with scaling sensitivity of threats (see Tzanopoulos et al., 2013. *Gloval Env Change*, 23: 167-178). and address scale-related differences in ecosystem responses
3. Major challenges when incorporating threats into conservation planning (e.g. uncertainty assessment, spatio-temporal resolution, Guarnieri et al., 2016. *PLoS ONE* 11(2): e0149253).
4. Identify gaps and methodological or practical limitations in threat analyses (Stelzenmüller, et al., *Science of the Total Environment* 612, 1132-1140
5. Demonstrate the above ideas in case-studies

Monday 16th April

10.00-10.30 Welcome from Simonetta Fraschetti and Antonios Mazaris

10.30-11.30 Short presentations from participants (20 min about each)

11.30- 12.00 Wrap up on the first block of talks

12.00-12.30 Coffee Break

12.30-13.30 Short presentations from participants (20 min about each)

13.30- 14.30 Wrap up on the second block of talks

14.30-15.30 Lunch

15.30-16.30 Free discussion

16.30-17.30 Wrap up

17.30-17.45 Coffee Break

17.45-18.45 Free discussion

17.45-18.30 Wrap up, definitions of roles and possible structure of the ms

Tuesday 17th April

09.00-9.15 Short introduction with a synthesis from day 1

9.15-12.30 Round table discussion and subdivision of subgroups around specific topics (dealing with tasks 1-3)

12.30-13.30 Wrap up from the groups

13.30-14.30 Lunch

14.30-16.00 Wrap up, definitions of roles and possible structure of the ms

16.30-16.45 Coffee Break

16.45 – 18.30 Synthesis, working plan, available datasets

Wednesday 18th April

09:00-9:15 Updated goals

9:15-11:30 Round table discussion (focusing on tasks 4-5)

11:30-12:00 Coffee Break

12:00-13.30 Synthesis, working plan, available datasets (focusing on tasks 4-5)

13:30-14:30 Lunch

14.30-16.00 Wrap up, future steps and set up of a communication plan

How to reach the place:

<http://www.conisma.it/it/contatti/la-sede/>

CoNISMa, Piazzale Flaminio, 9 – 00196 Roma

Telefono: 06 85355476

Fax: 06 8543810

Email: info@conisma.it

Possible accommodations in the area:

In these two structures please mention that CONISMA has a special rate:



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