

## **WG2 workshop on 'Monitoring multiple human pressures in MPAs to reach GES'**

Organized by Simonetta Frascchetti

Dates: **29-30 November 2017**

Place: Stazione Zoologica di Napoli (<http://www.szn.it/index.php/en/>)

### **Aim of the workshop**

The aim of the workshop is to identify present and future challenges for Marine Protected Areas such as early warning indicators of regime shifts, the effects of climate change, bioinvasions and the assessment of multiple stressors. Their potential to create networks of observatories for monitoring the “good environmental status” (GES, Marine Framework Directive) of the marine coastal systems will be discussed, reflecting the need of exporting the GES from the inside MPAs also to the outside, as requested by the EU. The idea is to capitalize on the robust expertise of participants to analyse the consequence of the severe changes addressing marine coastal biodiversity (within and outside MPAs), suggesting solutions to monitor and mitigate increasing threats. A position paper on the potential to better using the knowledge/experience acquired in the decades to study MPAs within a MSFD/MSP perspective will be discussed.

### **Wednesday 29th November**

**9.00–9:15** Welcome from Luigi Musco (SZN)

**9:15–9:30** Simonetta Frascchetti “Are we expecting too much from Marine Protected Areas?”

**9:30–9:45** Fabio Badalamenti “Challenges in achieving GES in MPAs”

**9:45–10:00** Carlo Pipitone “The status of exploited populations of fish and shellfish as descriptors of the GES in European waters”

**10:00–10:15** Elena Gissi “Conservation beyond MPAs. Challenges and opportunities within MSP”

**10:15-10:30** Maria C. Uryarra “From indicators to monitoring and integration for marine status assessment”.

**10.30- 11:15 First wrap up on the second block of talks**

**11:15-11:30 Coffee Break**

**11:30-11:45** Paul Goriup “Conserving Marine Biodiversity – sailing on troubled waters”

**11:45-12:00** Gil Rilov Can MPAs maintain biodiversity or GES under high bioinvasion & climate change pressure? Lessons from the eastern Mediterranean

**12:00-12:15** Joaquim Garrabou Monitoring climate change effects in Mediterranean MPAs: insights from collaborative approaches

**12:15-12:30** Joachim Claudet to be decided

**12.30- 13:35 Second wrap up on the third block of talks**

**13:30-14:30 Lunch**

**14:30-14:45** Lisandro Benedetti-Cecchi “Introducing early warning indicators of regime shifts in the monitoring on MPAs” (by skype)

**14:45-15:00** Antonios Mazaris “Threat syndromes: Dealing with multiple pressures across spatial and administrative scales”

**15:00-15:15** Lauric Thiault to be decided

**15:15-15:30** Charles Loiseau to be decided

**15:30-15:45** Stelios Katsanevakis (by skype) Challenges and opportunities in future networks of offshore MPAs

**15.45- 16:45 Second wrap up on the first block of talks**

**16:45-17:00 Coffee Break**

**17:00-18:00** Discussions and wrap up of the day

**Tuesday 30th November**

**09:00-9:15** Roberto Danovaro and the challenges of the SZN

**9:15 - 12:30** Round table discussion and subdivision of subgroups around specific topics to start to finalize the ms

**12:30 – 13:30** Wrap up from the groups

**13:30-14:30 Lunch**

**14.30-16.00** Wrap up from the two days and further steps