



GECOMARS 2020

International workshop on
ecosystem based management
4-5 February 2020, Marseille (France)



Programme

Talk : 10 min

Questions : 5 min

Mardi 4 février 2020 – Tuesday, February 4th, 2020

8:00 – 8:30 Accueil des participants / Reception of participants

8:30 – 9:00 **Ouverture du congrès / Opening of the workshop**

- **Mots d'accueil / Welcome speech**, *Directeurs du MIO (Mediterranean Institute of Oceanology), OSU Pytheas*
- **Mots d'accueil / Welcome speech**, *Office Français de la Biodiversité*

Session 1 : Approche écosystémique dans le suivi des milieux / Ecosystem-based approach to environmental monitoring

9:00 – 9:30 **Keynote conference: “Ecosystem-based quality indices: valuable tools for environment management”** by **Charles-François Boudouresque**, P. Astruch, D. Bănaru, B. Belloni, A. Blanfuné, T. Changeux, P. Chevaldonné, C. Fernandez, J.G. Harmelin, T. Perez, G. Pergent, C. Pergent-Martini, S. Ruitton, T. Thibaut

9:30 – 9:45 **“The *Posidonia oceanica* matte: a unique coastal carbon sink for climate change mitigation. Implications for management”** by **Briac Monnier**, G. Pergent, C.F. Boudouresque, M.Á. Mateo, C. Pergent-Martini, A. Valette-Sansevin

9:45 – 10:00 **“The use of very high resolution images for mapping of *Posidonia oceanica* reef”** by Agostino Tomasello, A. Savona, V. Pampalone, P. Casseti Federica, G. Signa, M. Pirrotta, C. Andolina, E. Aleo Adele, C.D. Tramati, S. Vizzini, A. Mazzola, S. Calvo, **Anselme Muzirafuti**, S. Lanza, G. Barreca, A. Crupi, F. Gregorio, M. Cascio, M. Fontana, G. Randazzo

10:00 – 10:15 **“Bridging risk assessment of human pressure and the status of ecosystems”** by **Sandrine Ruitton**, P. Astruch, A. Blanfuné, C.F. Boudouresque

10:15 – 10:30 **“What biotic indices tell us about ecosystem change: lessons from the seagrass *Posidonia oceanica*”** by **Ilaria Mancini**, A. Oprandi, I. Rigo, M. Montefalcone, C. Morri, A. Peirano, P. Vassallo, C. Paoli, C.N. Bianchi

10:30 – 10:45 **“Laying a gas pipeline through a *Posidonia oceanica* meadow: an example of its effects on plant recovery and epifaunal diversity”** by **Marcello Cotugno**, M. Lorenti, M.B. Scipione, F.P. Patti, M.C. Buia

10:45 – 11:15 *Pause / Break*

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- 11:15 – 11:30 **“Oil Spill response in mangroves: why a specific Ecosystem-based Management is required?”** by [Philippe Cuny](#), R. Jézéquel, E. Michaud, L. Sylvi, C. Chevalier, V. Morel, C. Militon
- 11:30 – 11:45 **“An ecosystemic approach of an ecological crisis in Berre lagoon”** by [Nicolas Mayot](#), V. Faure, R. Grisel, M. Mahé
- 11:45 – 12:00 **“Ecosystem-based approach in Large Lakes: Monitoring, understanding and management”** by [Orlane Anneville](#)
- 12:00 – 12:15 **“Six years of monitoring of the fish communities on the shallow bottoms around the Embiez Islands and Cape Sicié”** by [Sylvain Couvray](#), R. Simide
- 12:15 – 12:45 *Discussion*
- 12:45 – 14:00 *Déjeuner / Lunch – Session poster / Poster session*
- 14:00 – 14:30 Keynote conference: **“Managing marine ecosystems affected by climate change”** by [Jason M. Hall-Spencer](#)
- 14:30 – 14:45 **“L’approche écosystémique appliquée à la gestion des espèces introduites en Méditerranée : focus sur les pays du sud de la Méditerranée”** by [Samir Grimes](#)
- 15:45 – 15:00 **“Marha, an integrated project using an ecosystem-based approach for the French natural marine habitats conservation and management”** by [Juliette Delavenne](#), M. Labbe, A. Pibot
- 15:00 – 15:15 **“Are terrestrial and marine core areas of Port-Cros National Park (Provence, France) managed on a species or an ecosystem basis?”** by [Charles-François Boudouresque](#), F. Médail, P. Ponel, P. Astruch, A. Barcelo, A. Blanfuné, T. Changeux, P. Chevaldonné, G. Cheylan, L. Le Diréach, G. Martin, C. Moussay, M. Peirache, M. Perret-Boudouresque, S. Ruitton, I. Taupier-Letage, T. Thibaut
- 15:15 – 15:30 **“Combining long-term monitoring and research for marine ecosystem conservation: 30 years of research and monitoring in the Catalan MPAs”** by [Bernat Hereu](#), E. Aspillaga, P. Capdevila, D. Díaz, A. Garcia-Rubies, C. Linares, G. Rovira, J. Ortega, M. Zabala
- 15:30 – 16:00 *Pause / Break*

Session 2 : Etude des socio-écosystèmes / Study of socio-ecosystems

- 16:00 – 16:30 **Keynote conference: “Approche écosystémique et réparation du préjudice écologique”** by **Gilles J. Martin**
- 16:30 – 16:45 **“An ecosystem-based approach to study a Biguglia lagoon socio-ecosystem (Mediterranean Sea)”** by **Vanina Pasqualini**, M. Erostate, E. Garel, M. Garrido, F. Huneau, S. Robert
- 16:45 – 17:00 **“Approche socio-écosystémique pour évaluer la gestion des récifs artificiels”** by **Jessica Salaun**, S. Pioch, J.C. Dauvin
- 17:00 – 17:15 **“Changes in the ecological status and natural capital of *Posidonia oceanica* meadows due to human pressure and extreme events”** by **Ilaria Rigo**, C. Paoli, G. Dapueto, F. Massa, A. Oprandi, S. Venturini, L. Merotto, G. Fanciulli, V. Cappanera, M. Montefalcone, C.N. Bianchi, C. Morri, C. Pergent-Martini, P. Povero, P. Vassallo
- 17:15 – 17:30 **“Interdisciplinary study on invasive species: the case of the ctenophore *Mnemiopsis leidyi* in the Berre Lagoon (Southeast France)”** by **Guillaume Marchessaux**, C. Claeys, D. Thibault
- 17:30 – 18:00 *Discussion*
- 20:00 – 23:00 *Dîner / Social Dinner*

Mercredi 5 février 2020 – Wednesday, February 5th, 2020

Session 3 : Gestion écosystémique des pêches / Ecosystem-based management of fisheries

- 8:30 – 9:00 **Keynote conference: “Towards the ecosystem approach to fisheries in a global context”** by **Philippe Cury**
- 9:00 – 9:15 **“Evaluating broad-scale connectivity to improve the management of Hake fishery in the north-western Mediterranean Sea”** by **Vincent Rossi**, M. Hidalgo
- 9:15 – 9:30 **“Coupling the map of marine habitats and fish accumulation zones: a three-dimensional spatial approach for the management of halieutic resources”** by M. Lamouret, P. Boissery, C. Viala, N. Thirion-Moreau, **Arnaud Abadie**
- 9:30 – 9:45 **“European Water Framework Directive and fisheries management of large rivers: potential contributions from trophic modelling. Example of the Lower Saône”** by **Thomas Changeux**, D. Bănaru, A. Dragotta, E. Franquet, L. Cavalli, J.F. Frujet, J.P. Mallet, N. Stolzenberg

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- 9:45 – 10:00 **“A Spatial Decision Support System for the sustainable management of fishing in Marine Protected Areas”** by **Giulia Dapuzo**, C. Paoli, P. Vassallo, M. Pozzi, F.o Massa, I. Rigo, G. Fanciulli, S. Venturini, L. Merotto, V. Cappanera, P. Povero
- 10:00 – 10:30 *Pause / Break*
- 10:30 – 10:45 **“A multidisciplinary analytical framework to delineate spawning areas and quantify larval dispersal in coastal fish”** by **Térence Legrand**, A. Di Franco, E. Ser-Giacomi, A. Caló, V. Rossi
- 10:45 – 11:00 **“Gulf of Lions: the contribution of ecosystem knowledge to the Ecosystem-Based Management of Fisheries”** by **Daniela Bănanu**, F. Diaz, F. Carlotti, M. Harmelin-Vivien, C.F. Boudouresque
- 11:00 – 11:30 *Discussion*
- Session 4 :** **Evaluation des services écosystémiques / Assessment of ecosystem services**
- 11:30 – 11:45 **“Ecosystem Services Assessment in the Bay of Marseille”** by P. Scemama, **Charlène Kermagoret**, F. Alban, R. Mongruel
- 11:45 – 12:00 **“Towards strong sustainability: a framework for economic and ecological management of Marine Protected Areas”** by **Chiara Paoli**, P. Vassallo, M. Pozzi, F. Massa, I. Rigo, V. Cappanera, L. Merotto, S. Venturini, I. Lavarello, C. Valerani, V. Gazale, A. Zanello, M. Vannini, P. Povero, G. Dapuzo
- 12:00 – 12:15 **“Multi-agent modelling, a lab experiment for building ecosystem-based management policies in coastal and marine socio-ecological systems: Results from the SAFRAN project, a prospective exercise in the Natural Marine Park of the Gulf of Lion”** by **Catherine Boemare**, E. Mosseri
- 12:15 – 12:45 *Discussion*
- 12:45 – 12:50 *Clôture partielle du congrès / Partial closure of the workshop*
- 12:50 – 14:15 *Déjeuner / Lunch - Session poster / Poster session*

Soutiens financiers / Backers:



Mercredi 5 février 2020 – Wednesday, February 5th, 2020

SALSA : Les salins d'Hyères : mise en place d'une gestion socio-écosystémique / The saltmarshes of Hyères: implementation of a socio-ecosystem-based management

- 14:15 – 14:45 **Keynote conference: “Ecosystem-based management of coastal lagoons, regional and local issues”** by **Rutger De Wit**
- 14:45 – 15:00 **“Historique de la gestion des salins d'Hyères”** by **Frédérique Gimond-Lanteri**
- 15:00 – 15:15 **“Biodiversité, connaissance, communication et gouvernance pour la gestion écosystémique du site des Salins d'Hyères (Var, France)”** by **Matthieu Lascève**, M. Simo, F. Gimond-Lanteri, G. Queffoulou
- 15:15 – 15:30 **“La lagune des Pesquiers (Hyères) : mise en perspective historique et approche écosystémique”** by **Daniel Faget**
- 15:30 – 15:45 **“Mapping of *Ruppia spiralis* habitat within the saltmarshes of Hyères (Provence, France): a key species for an ecosystem-based approach”** by P Astruch, **Laura Massinelli**, M. Lascève, C.F. Boudouresque
- 15:45 – 16:15 *Pause / Break*
- 16:15 – 16:30 **“Favouring exchanges between the sea and the lagoons: a necessary support to the restoration of the functional role as fish nursery in the saltmarshes of Hyeres (Provence, France)”** by **Laurence Le Diréach**, P. Astruch, T. Changeux, F. Moussy, C. Jehl, N. Brodu, M. Boursault, M. Charpentier, F. Gimond-Lanteri, M. Harmelin-Vivien, M. Lascève, N. Lucchini, A. Lyonnet, M. Roux, T. Schohn
- 16:30 – 16:45 **“Improving the management of Hyères saltmarshes (Provence, France) using an ecosystem-based approach”** by **Patrick Astruch**, C.F. Boudouresque, D. Faget, T. Changeux, M. Lascève, L. Le Diréach, F. Gimond-Lanteri, L. Massinelli, F. Moussy, N. Angles d'Ortoli, G. Marchessaux, F. Carlotti, L. Guilloux, M.C. Gomez, M. Simo
- 16:45 – 17:45 *Discussion*
- 17:45 – 17:55 *Clôture du congrès / Closure of the workshop*