

**Page 1-** [rokdownload menuitem="1065" downloaditem="929" direct\_download="true"]PDF[/rokdownload]

**Préface - 2 -** [rokdownload menuitem="1071" downloaditem="930" direct\_download="true"]PDF[/rokdownload]

## **Session 1: Ecosystem-based approach to environmental monitoring**

**Ecosystem-based quality indices: valuable tools for environment management**  
C. F. BOUDOURESQUE, P. ASTRUCH, D. BĂNARU, A. BLANFUNÉ, B. BELLONI, T. CHANGEUX, P. CHEVALDONNÉ, C. FERNANDEZ, J. G. HARMELIN, T. PEREZ, G. PERGENT, C. PERGENT-MARTINI, S. RUITTON, T. THIBAUT - 3-15 [rokdownload menuitem="1067" downloaditem="931" direct\_download="true"]PDF[/rokdownload]

**The *Posidonia oceanica* matte: a unique coastal carbon sink for climate change mitigation and implications for management**  
B. MONNIER, G. PERGENT, A. VALETTE-SANSEVIN, C. F. BOUDOURESQUE, M. Á. MATEO, C. PERGENT-MARTINI - 17-24 [rokdownload menuitem="1068" downloaditem="962" direct\_download="true"]PDF[/rokdownload]

**The use of very high resolution images for studying *Posidonia oceanica* reefs**  
A. TOMASELLO, F. P. CASSETTI, A. SAVONA, V. PAMPALONE, M. PIRROTTA, S. CALVO, G. SIGNA, C. ANDOLINA, A. MAZZOLA, S. VIZZINI, A. MUZIRAFUTI, S. LANZA, G. RANDAZZO - 25-35 [rokdownload menuitem="1069" downloaditem="932" direct\_download="true"]PDF[/rokdownload]

**Bridging risk assessment of human pressure and ecosystem status**  
S. RUITTON, P. ASTRUCH, A. BLANFUNÉ, M. CABRAL, T. THIBAUT, C. F. BOUDOURESQUE - 37-53 [rokdownload menuitem="1070" downloaditem="933" direct\_download="true"]PDF[/rokdownload]

**What biotic indices tell us about ecosystem change: lessons from the seagrass *Posidonia oceanica***

I. MANCINI, I. RIGO, A. OPRANDI, M. MONTEFALCONE, C. MORRI, A. PEIRANO, P. VASSALLO, C. PAOLI, C. N. BIANCHI - 55-61 [rokdownload menuitem="1072" downloaditem="934" direct\_download="true"]PDF[/rokdownload]

**Laying a gas pipeline through a *Posidonia oceanica* meadow: an example of its effects on plant recovery and epifaunal diversity**

M. COTUGNO, M. LORENTI, M. B. SCIPIONE, F. P. Patti , M. C. BUIA - 63-68 [rokdownload menuitem="1073" downloaditem="935" direct\_download="true"]PDF[/rokdownload]

**Oil spill response in mangroves: why a specific ecosystem-based management is required? The case of French Guiana – a mini-review**

P. CUNY, R. JÉZÉQUEL, E. MICHAUD, L. SYLVI, F. GILBERT, M. FIARD, C. CHEVALIER, V. MOREL, C. MILITON - 69-76 [rokdownload menuitem="1074" downloaditem="936" direct\_download="true"]PDF[/rokdownload]

**An ecosystemic approach for an ecological crisis in Berre lagoon**

N. MAYOT, V. FAURE, M. MAHÉ, R. GRISEL - 77-82 [rokdownload menuitem="1075" downloaditem="937" direct\_download="true"]PDF[/rokdownload]

**Six years of monitoring of fish assemblages in shallow bottoms around the Embiez Islands and Cap Sicié (French Mediterranean Sea)**

S. COUVRAY - 83-87 -[rokdownload menuitem="1076" downloaditem="938" direct\_download="true"] PDF [/rokdownload]

**Species-based or ecosystem-based approaches to conservation practices: lessons from the Port-Cros National Park (South-east France, Mediterranean Sea)**

C. F. 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 - 89-112 [rokdownload menuitem="1077" downloaditem="939" direct\_download="true"]PDF[/rokdownload]

**Session 2: Study of socio-ecosystems**

**Ecosystem-based approach and restoration or compensation for ecological damage**

G. J. MARTIN - 113-120 [rokdownload menuitem="1078" downloaditem="940" direct\_download="true"]PDF[/rokdownload]

### **An ecosystem-based approach to study the Biguglia lagoon socio-ecosystem (Mediterranean Sea)**

V. PASQUALINI , M. EROSTATE , E. GAREL , M. GARRIDO , F. HUNEAU , S. ROBERT - 121-128 [rokdownload menuitem="1079" downloaditem="941" direct\_download="true"]PDF[/rokdownload]

### **Description of a theoretical social-ecological approach to manage artificial reefs**

J. SALAÜN, S. PIOCH, J.C. DAUVIN - 129-135 [rokdownload menuitem="1080" downloaditem="942" direct\_download="true"]PDF[/rokdownload]

### **Changes in the ecological status and natural capital of Posidonia oceanica meadows due to human pressure and extreme events**

I. RIGO, G. DAPUETO, C. PAOLI, F. MASSA, A. OPRANDI, S. VENTURINI, L. MEROTTO, G. FANCIULLI, V. CAPPANERA, M. MONTEFALCONE, C. N. BIANCHI, C. MORRI, C. PERGENT-MARTINI, G. PERGENT, P. POVERO, P. VASSALLO - 137-148 [rokdownload menuitem="1081" downloaditem="943" direct\_download="true"]PDF[/rokdownload]

### **How to study the social-ecological impacts of invasive species: the case of the ctenophore Mnemiopsis Leidyi in Berre lagoon (Southeast France)**

G. MARCHESSAUX - 149-159 [rokdownload menuitem="1082" downloaditem="944" direct\_download="true"]PDF[/rokdownload]

## **Session 3: Ecosystem-based management of fisheries**

### **Small-scale connectivity of coralligenous habitats: insights from a modelling approach within a semi-opened Mediterranean Bay**

V. ROSSI, M. LO, T. LEGRAND, E. SER-GIACOMI, A. DE JODE, L. THIERRY DE VILLE D'AVRAY, I. PAIRAUD, V. FAURE, M. FRAYSSE, C. PINAZO, A. CHENUIL - 161-174 [rokdownload menuitem="1083" downloaditem="945" direct\_download="true"]PDF[/rokdownload]

### **Coupling the map of marine habitats and fish accumulation zones: a three-dimensional spatial approach for the management of halieutic resources**

M. LAMOURET, P. BOISSERY, C. VIALA, N. THIRION-MOREAU, A. ABADIE -175-181 [rokdownload menuitem="1084" downloaditem="946" direct\_download="true"]PDF[/rokdownload]

### **A Spatial Decision Support System for the sustainable management of fishing in marine protected areas**

G. DAPUETO, C. PAOLI, P. VASSALLO, M. POZZI, F. MASSA, I. RIGO, G. FANCIULLI, S. VENTURINI, L. MEROTTO, V. CAPPANERA, P. POVERO - 183-195 [rokdownload menuitem="1085" downloaditem="947" direct\_download="true"]PDF[/rokdownload]

## **Session 4: Assessment of ecosystem services**

### **A strategic approach to assess the bundle of ecosystem services provided by Posidonia oceanica meadows in the Bay of Marseille**

P. SCEMAMA, C. KERMAGORET, A. ACCORNERO-PICON, F. ALBAN, P. ASTRUCH, C. BOEMARE, C. F. BOUDOURESQUE, T. CHANGEUX, E. CHARBONNEL, M. HARMELIN-VIVIEN, L. LE DIRÉACH, R. MONGRUEL, M. OURGAUD, S. RUITTON, M. VERLAQUE - 197-207 [rokdownload menuitem="1086" downloaditem="948" direct\_download="true"]PDF[/rokdownload]

### **Towards strong sustainability: a framework for economic and ecological management of marine protected areas**

C. PAOLI, P. VASSALLO, M. POZZI, F. MASSA, I. RIGO, G. FANCIULLI, V. CAPPANERA, L. MEROTTO, S. VENTURINI, I. LAVARELLO, C. VALERANI, V. GAZALE, A. ZANELLO, M. VANNINI, P. POVERO, G. DAPUETO - 209-223 [rokdownload menuitem="1087" downloaditem="949" direct\_download="true"]PDF[/rokdownload]

## **Session 5: Ecosystem-based management of saltmarshes**

### **Can abandoned Salinas be managed as coastal lagoons?**

R. DE WIT - 225-233 [rokdownload menuitem="1088" downloaditem="950" direct\_download="true"]PDF[/rokdownload]

### **Mapping of *Ruppia spiralis* meadows within the saltmarshes of Hyeres (Provence, France): a key species for an ecosystem-based approach**

L. MASSINELLI, P. ASTRUCH, M. LASCÈVE, C.F. BOUDOURESQUE - 235-241 [rokdownload menuitem="1089" downloaditem="951" direct\_download="true"]PDF[/rokdownload]

**Favoring exchanges between the sea and the lagoons: a necessary support for the restoration of the functional role as fish nursery in the saltmarshes of Hyères (Provence, France)**

L. LE DIREACH, P. ASTRUCH, T. CHANGEUX, F. MOUSSY, C. JEHL, N. BRODU, M. BOURSAULT, M. CHARPENTIER, F. GIMOND, M. HARMELIN-VIVIEN, M. LASCEVE, N. LUCCHINI, A. LYONNET, M. ROUX, T. SCHOHN - 243-252 [rokdownload menuitem="1090" downloaditem="952" direct\_download="true"]PDF[/rokdownload]

**Improving the management of the saltmarshes of Hyeres (Provence, France) using an ecosystem-based approach**

P. ASTRUCH, C. F. BOUDOURESQUE, D. FAGET, T. CHANGEUX, M. LASCEVE, L. LE DIREACH, F. GIMONDLANTERI, L. MASSINELLI, F. MOUSSY, N. ANGLES D'ORTOLI, G. MARCHESSAUX, F. CARLOTTI, B. BELLONI, L. GUILLOUX, M.C. GOMEZ, M. SIMO - 253-268 [rokdownload menuitem="1091" downloaditem="953" direct\_download="true"]PDF[/rokdownload]

## **Posters**

**Distribution of manila clam, *Ruditapes philippinarum*, into Berre lagoon according to the environmental condition**

M. MAHÉ, D. DELANGHE, R. GRISEL, J. C. POGGIALE, N. MAYOT - 268-277Â [rokdownload menuitem="1092" downloaditem="954" direct\_download="true"]PDF[/rokdownload]

**A citizen science approach for the genetic analysis of a *Posidonia oceanica* meadow in the Italian southern Adriatic Sea**

M. de VIRGILIO, S. CIFARELLI, G. GAROFOLI, B. DEGRYSE - 279-284 [rokdownload menuitem="1093" downloaditem="955" direct\_download="true"]PDF[/rokdownload]

**Toxic algal blooms along the urban coast: a citizens' point of view**

M. de VIRGILIO, S. CIFARELLI, A. NITTI, G. GAROFOLI, V. MASSARI, B. DEGRYSE - 285-289 [rokdownload menuitem="1094" downloaditem="956" direct\_download="true"]PDF[/rokdownload]

**The unique feature of a *Posidonia oceanica* reef and lagoon along the French Mediterranean coast**

R. SIMIDE, C. ABELLO - 291-295Â [rokdownload menuitem="1095" downloaditem="957" direct\_download="true"]PDF[/rokdownload]

**Study of the *Posidonia oceanica* meadows' upper limit with georeferenced underwater photogrammetry**

A. ABADIE, P. BOISSERY, C. VIALA - 297-301 [rokdownload menuitem="1096" downloaditem="958" direct\_download="true"]PDF[/rokdownload]

**Towards the development of ecosystem-based indicators of mangroves functioning state in the context of the EU water framework directive**

G. DIRBERG, G. BARNAUD, O. BRIVOIS, P. CAESSTEKER, M. C. CORMIER-SALEM, P. CUNY, M. FIARD, F. FROMARD, F. GILBERT, S. GROUARD, D. GUIRAL, C. HUBAS, D. IMBERT, D. LAMY, T. MEZIANE, E. MICHAUD, C. MICHELET, C. MILITON, A. PIBOT, C. PROISY, T. ROBINET, T. STIEGLITZ, L. SYLVI, F. TAUREAU, H. UDO, R. WALCKER, D. ZEPILLI, O. MONNIER - 303-310Â [rokdownload menuitem="1097" downloaditem="959" direct\_download="true"]PDF[/rokdownload]

**Interspecific competition and invasive capacity of *Holothuria (Roweothuria) Arguinensis*: does its diet represent a danger for native Mediterranean species?**

N. BELBACHIR, K. MEZALI - 311-314 [rokdownload menuitem="1101" downloaditem="960" direct\_download="true"]PDF[/rokdownload]

**Last page** - [rokdownload menuitem="1102" downloaditem="963" direct\_download="true"]PDF[/rokdownload]