



UNEP



Content & Programme/Sommaire et Programme

5th MEDITERRANEAN SYMPOSIUM ON MARINE VEGETATION

Portorož, Slovenia, 27-28 October 2014

5^{ème} SYMPOSIUM MÉDITERRANÉEN SUR LA VÉGÉTATION MARINE

Portorož, Slovenie, 27-28 octobre 2014



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INSTITUTE OF THE REPUBLIC OF SLOVENIA
FOR NATURE CONSERVATION

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PROGRAMME

Monday 27 October 2014

- 8:00-9:00** Participants welcome and registration
- 9:00-10:00** **Opening of the Symposium**
- 10:00-10:30** *Coffee break*
- 10:30-11:30** Keynote conference: **Terrestrial versus marine diversity of ecosystems. And the winner is: the marine realm** by **Pr. Charles F. BOUDOURESQUE**, RUITTON S., BIANCHI C.N., CHEVALDONNÉ P., FERNANDEZ C., HARMELIN-VIVIEN M., OURGAUD M., PASQUALINI V., PEREZ T., PERGENT G., THIBAUT T., VERLAQUE M.
- Session 1:** **Mediterranean Marine Vegetation: population, biology, ecology and dynamics – Marine "macroalgae"**
- 11:30-11:45** "Marine forests at risk: solutions to halt the loss and promote the recovery of Mediterranean canopy-forming seaweeds" by **Laura AIROLDI**, BALLESTEROS E., BUONUOMO R., VAN BELZEN J., BOUMA T.J., CEBRIAN E., DE CLERK O., ENGELN A.H., FERRARIO F., FRASCHETTI S., GIANNI F., GUIDETTI P., IVESA L., MANCUSO F.P., MICHELI F., PERKOL-FINKEL S., SERRAO E.A., STRAIN E.M., MANGIALAJO L.
- 11:45-12:00** "*Cystoseira Sedoides* (desfontaines) C. Agardh des côtes tunisiennes : état actuel des connaissances" by **Cyrine BOUAFIF**, OUERGHI A., LANGAR H.
- 12:00-12:15** "Ecology and perturbations of Mediterranean deep-water algal communities: linking population biology and community ecology for conservation" by **Bernat HEREU**, CAPDEVILA P., CEBRIAN E., DÍAZ D., GARRABOU J., KERTING D., LINARES C., NAVARRO L., PAUNER O., TEIXIDO N.
- 12:15-12:30** "Distribution and composition of *Cystoseira* stands along the west Istrian coast (northern Adriatic, Croatia) and comparison with historical data" by **Ljiljana IVEŠA**, DEVESCOVI M.
- 12:30-12:45** "Distribution and genetic variation of two bioconstructor coralline algae (*Lithophyllum byssoides* (Lamarck) Foslie and *L. stictaeforme* (Areschoug) Hauck) along the Italian coasts" by **Fabio RINDI**, PEZZOLESI L., HERNANDEZ-KANTUN J.J., FALACE A., KALEB S., PONTI M., CERRANO C.
- 12:45-13:00** Discussion
- 13:00-14:00** *Lunch*

Session 2: Mediterranean Marine Vegetation: population, biology, ecology and dynamics – Marine Magnoliophytes

- 14:00-14:15** "Insight into the typology of reef formations of the Mediterranean seagrass *Posidonia oceanica*" by Charles F. BOUDOURESQUE, BONHOMME D., ASTRUCH P., BONHOMME P., GOUJARD A., THIBAUT T.
- 14:15-14:30** "*Posidonia oceanica* meadows in greek seas: lower depth limits and meadow densities" by Vasileios GERAKARIS, PANAYOTIDIS P., TSIAMIS K., NIKOLAIDOU A., ECONOMOU-AMILLI A.
- 14:30-14:45** "The importance of genetic make-up for restoration success - a case study of the seagrass *Zostera noltii* hornem in a mediterranean lagoon" by Marlene JAHNKE, SERRA I.A., BERNARD G., PROCACCINI G.
- 14:45-15:00** "Modelling the reference conditions of the upper limit of *Posidonia oceanica* meadow" by Gloria MISSON, VACCHI M., MONTEFALCONE M., ARCHETTI R., BIANCHI C.N., FERRARI M.
- 15:00-15:15** "Preliminary study on the distribution of *Posidonia oceanica* along the Dardanelle Strait" by Melike İdil ÖZ, YAĞLI H., AK İ.
- 15:15-15:30** "Effects of the invasive seagrass *Halophila stipulacea* on the native seagrass *Cymodocea nodosa*" by Yassine Ramzi SGHAIER, ZAKHAMA-SRAIEB R., CHARFI-CHEIKHROUHA F.
- 15:30-15:45** "Distribution and habitat requirements of *Zostera noltei* along the northern coast of Jerba Island (Southern Tunisia, Mediterranean sea)" by Abdessalem SHILI, BEN HMIDA A., BEN MAÏZ N., BOUDOURESQUE C.F.
- 15:45-16:00** "Dynamics of benthic macrophytes in the Southern Tunis Lagoon (Tunisia, Mediterranean Sea)" by Abdessalem SHILI, BACCAR L., BEN MAÏZ N., BOUDOURESQUE C.F.
- 16:00-16:15** Discussion
- 16:15-16:45** *Coffee break*
- 16:45-18:00** Poster Session (1 to 14)

18:00-19:00 *Side event*

One day in Albania coastline by Violeta ZUNA, Eno DODBIBA

Tuesday 28 October 2014

Session 3: Mapping, monitoring and management of Mediterranean marine vegetation

8:30-8:45 "Assessment of the conservation status of *Posidonia oceanica* meadows in the Samaria National Park, an MPA in Crete, Greece" by Dimitris POURSANIDIS, Antonios BARNIAS, LYMBERAKIS P.

8:45-9:00 "Application de la sismique UHR pour le suivi de l'état de conservation des herbiers a *Posidonia Oceanica*" by Sylvain BLOUET, DUPUY DE LA GRANDRIVE R., CHERE E., NOEL C., VIALA C., MARCHETTI S., BAUER E., TEMMOS J.M., BOISSERY P.

9:00-9:15 "First continuous seabed map in France used for the creation of a management tool protecting *Posidonia oceanica*" by Florian HOLON, DELARUELLE G., GUILBERT A., Julie DETER, BOISSERY P., DESCAMP P.

9:15-9:30 "Development of the national monitoring protocol for *Posidonia Oceanica* meadows in Croatia: a pilot project" by Ivan GUALA, NIKOLIĆ V., IVEŠA L., JAKL Z., ŠIJAN M., PRVAN M., KRSTINIĆ P., BRUNDU G., DI CARLO G., RAJKOVIĆ Z.

9:30-9:45 Discussion

9:45-10:00 "Combining modelling and historical data to define the status of *Posidonia oceanica* meadows" by Alice OPRANDI, MONTEFALCONE M., VACCHI M., COPPO S., DIVIACCO G., MORRI C., FERRARI M., BIANCHI C.N.

10:00-10:15 "Monitoring and expansion of *Posidonia* monitoring networks along Corsican coastline" by Gérard PERGENT, BEIN A., BLANFUNE A., DEDEKEN M., OBERTI P., ORSINI A., PERGENT-MARTINI C., RUITTON S., SHORT F.

10:15-10:30 "Monitoring of *Posidonia* meadows under the EC habitats directive: vehicular videography can estimate trends in coverage at low cost and high precision" by Stewart T. SCHULTZ, BAKRAN-PETRICIOLI T., KRUSCHEL C., PETRICIOLI D.

10:30-10:45 Discussion

10:45-11:15 *Coffee break*

11:15-11:30 "A rapid and non-destructive assessment of your *Posidonia* meadow" by Gérard PERGENT

11:30-12:15 Poster Session (15 to 22)

Session 3: Mapping, monitoring and management of Mediterranean marine vegetation (continued)

12:15-12:30 "Analyse critique de l'évaluation de l'état de conservation de l'herbier de posidonie dans le cadre du programme de Cartographie des Habitats Marins – CARTHAM" by Boris DANIEL, LAMOUREUX A.

12:30-12:45	"Are Mediterranean MPAs protecting marine forests?" by Fabrizio GIANNI, MANGIALAJO L.
12:45-13:00	Discussion
13:00-14:00	<i>Lunch</i>
Session 4:	Mediterranean vegetal assemblages: Impact and disturbance
14:00-14:15	"Impact de la pêche par mini-chalut benthique sur les herbiers à <i>Posidonia oceanica</i> dans le secteur nord-est des îles Kerkennah (Tunisie) " by Ahmed BEN HMIDA, SHILI A., SGHAIER Y.R., RAIS C.
14:15-14:30	"Assessment and quantification of the anthropic impact on the <i>Posidonia Oceanica</i> seagrass meadow" by Samy ALAMI, BONACORSI M., CLABAUT P., JOUET G., PERGENT-MARTINI C., PERGENT G., STERCKEMAN A.
14:30-14:45	"Assessing <i>Posidonia oceanica</i> beds regressions using anthropogenic pressures maps along a French coastal region" by Florian HOLON, BOCKEL T., BOISSERY P., DETER J.
14:45-15:00	"Arsenic concentrations in seagrass around the Mediterranean coast and seasonal variations" by Christine PERGENT-MARTINI, SALIVAS-DECAUX M., LANGAR H., PERGENT G., AKÇALI B., ALVAREZ-PÉREZ E., APOSTOLAKI E., BAKRAN-PETRICIOLI T., BELBACHA S., BORG J., BUIA C., CASALTA B., CELEBI B., FERNANDEZ-TORQUEMADE Y., HADJICHRISTOFOROU M., LLAGOSTERA I., LIPEJ L., LOPEZ Y ROYO C., MARCOU M., MAVRIC B., PANZALIS P., ROMERO J., SEMROUD R., SKOUFAS G., TURK R., WEITZMANN B., ZAPATA-SALGADO F.J.
15:00-15:15	"The conceptualization of trace element flows within <i>Posidonia oceanica</i> meadows: a collaborative proposal to fill knowledge gaps" by Jonathan RICHIR, GOBERT S.
15:15-15:30	"Mercury contamination in <i>Posidonia oceanica</i> in a harbour area of the eastern coast of Tunisia" by Rym ZAKHAMA-SRAIEB, SGHAIER Y.R., BEN HMIDA A., CHARFI-CHEIKHROUHA F.
15:30-15:45	Discussion
15:45-16:15	<i>Coffee break</i>
16:15-17:00	Poster Session (23 to 31)
17:00-17:30	Awards for best poster
17:30-19:00	Closure of the Symposium

PROGRAMME

Lundi 27 octobre 2014

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| 8:00-9:00 | Accueil et inscription des participants |
| 9:00-10:00 | Ouverture du symposium |
| 10:00-10:30 | <i>Pause café</i> |
| 10:30-11:30 | Conférence introductive : Terrestrial versus marine diversity of ecosystems. And the winner is: the marine realm par Pr. Charles F. BOUDOURESQUE , RUITTON S., BIANCHI C.N., CHEVALDONNÉ P., FERNANDEZ C., HARMELIN-VIVIEN M., OURGAUD M., PASQUALINI V., PEREZ T., PERGENT G., THIBAUT T., VERLAQUE M. |
| Session 1 : | Végétation marine de Méditerranée: population, biologie, écologie et dynamique – "Macroalgues" marines |
| 11:30-11:45 | " Marine forests at risk: solutions to halt the loss and promote the recovery of Mediterranean canopy-forming seaweeds " par Laura AIROLDI , BALLESTEROS E., BUONUOMO R., VAN BELZEN J., BOUMA T.J., CEBRIAN E., DE CLERK O., ENGELEN A.H., FERRARIO F., FRASCHETTI S., GIANNI F., GUIDETTI P., IVESA L., MANCUSO F.P., MICHELI F., PERKOL-FINKEL S., SERRAO E.A., STRAIN E.M., MANGIALAJO L. |
| 11:45-12:00 | " Cystoseira Sedoides (desfontaines) C. Agardh des côtes tunisiennes : état actuel des connaissances " par Cyrine BOUAFIF , OUERGHI A., LANGAR H. |
| 12:00-12:15 | " Ecology and perturbations of Mediterranean deep-water algal communities: linking population biology and community ecology for conservation " par Bernat HEREU , CAPDEVILA P., CEBRIAN E., DÍAZ D., GARRABOU J., KERTING D., LINARES C., NAVARRO L., PAUNER O., TEIXIDO N. |
| 12:15-12:30 | " Distribution and composition of Cystoseira stands along the west Istrian coast (northern Adriatic, Croatia) and comparison with historical data " par Ljiljana IVEŠA , DEVESCOVI M. |
| 12:30-12:45 | " Distribution and genetic variation of two bioconstructor coralline algae (<i>Lithophyllum byssoides</i> (Lamarck) Foslie and <i>L. stictaeforme</i> (Areschoug) Hauck) along the Italian coasts " par Fabio RINDI , PEZZOLESI L., HERNANDEZ-KANTUN J.J., FALACE A., KALEB S., PONTI M., CERRANO C. |
| 12:45-13:00 | Discussion |
| 13:00-14:00 | <i>Déjeuner</i> |

Session 2 : Végétation marine de Méditerranée : population, biologie, écologie et dynamique – Magnoliophytes marines

- 14:00-14:15** "Insight into the typology of reef formations of the Mediterranean seagrass *Posidonia oceanica*" par Charles F. BOUDOURESQUE, BONHOMME D., ASTRUCH P., BONHOMME P., GOUJARD A., THIBAUT T.
- 14:15-14:30** "*Posidonia oceanica* meadows in greek seas: lower depth limits and meadow densities" par Vasileios GERAkaris, PANAYOTIDIS P., TSAMIS K., NIKOLAIDOU A., ECONOMOU-AMILLI A.
- 14:30-14:45** "The importance of genetic make-up for restoration success - a case study of the seagrass *Zostera noltii* hornem in a mediterranean lagoon" par Marlene JAHNKE, SERRA I.A., BERNARD G., PROCACCINI G.
- 14:45-15:00** "Modelling the reference conditions of the upper limit of *Posidonia oceanica* meadow" par Gloria MISSON, VACCHI M., MONTEFALCONE M., ARCHETTI R., BIANCHI C.N., FERRARI M.
- 15:00-15:15** "Preliminary study on the distribution of *Posidonia oceanica* along the Dardanelle Strait" par Melike İdil ÖZ, YAĞLI H., AK İ.
- 15:15-15:30** "Effects of the invasive seagrass *Halophila stipulacea* on the native seagrass *Cymodocea nodosa*" par Yassine Ramzi SGHAIER, ZAKHAMA-SRAIEB R., CHARFI-CHEIKHROUHA F.
- 15:30-15:45** "Distribution and habitat requirements of *Zostera noltei* along the northern coast of Jerba Island (Southern Tunisia, Mediterranean sea)" par Abdessalem SHILI, BEN HMIDA A., BEN MAÏZ N., BOUDOURESQUE C.F.
- 15:45-16:00** "Dynamics of benthic macrophytes in the Southern Tunis Lagoon (Tunisia, Mediterranean Sea)" par Abdessalem SHILI, BACCAR L., BEN MAÏZ N., BOUDOURESQUE C.F.
- 16:00-16:15** Discussion
- 16:15-16:45** *Pause café*
- 16:45-18:00** Session Posters (1 à 14)

18:00-19:00 *Evènement parallèle*

One day in Albania coastline par Violeta ZUNA, Eno DODBIBA

Mardi 28 octobre 2014

Session 3 : Cartographie, surveillance et gestion de la végétation marine de Méditerranée

8:30-8:45 "Assessment of the conservation status of *Posidonia oceanica* meadows in the Samaria National Park, an MPA in Crete, Greece" par Dimitris POURSANIDIS, Antonios BARNIAS, LYMBERAKIS P.

8:45-9:00 "Application de la sismique UHR pour le suivi de l'état de conservation des herbiers a *Posidonia Oceanica*" par Sylvain BLOUET, DUPUY DE LA GRANDRIVE R., CHERE E., NOEL C., VIALA C., MARCHETTI S., BAUER E., TEMMOS J.M., BOISSERY P.

9:00-9:15 "First continuous seabed map in France used for the creation of a management tool protecting *Posidonia oceanica*" par Florian HOLON, DELARUELLE G., GUILBERT A., Julie DETER, BOISSERY P., DESCAMP P.

9:15-9:30 "Development of the national monitoring protocol for *Posidonia Oceanica* meadows in Croatia: a pilot project" par Ivan GUALA, NIKOLIĆ V., IVEŠA L., JAKL Z., ŠIJAN M., PRVAN M., KRSTINIĆ P., BRUNDU G., DI CARLO G., RAJKOVIĆ Z.

9:30-9:45 Discussion

9:45-10:00 "Combining modelling and historical data to define the status of *Posidonia oceanica* meadows" par Alice OPRANDI, MONTEFALCONE M., VACCHI M., COPPO S., DIVIACCO G., MORRI C., FERRARI M., BIANCHI C.N.

10:00-10:15 "Monitoring and expansion of *Posidonia* monitoring networks along Corsican coastline" par Gérard PERGENT, BEIN A., BLANFUNE A., DEDEKEN M., OBERTI P., ORSINI A., PERGENT-MARTINI C., RUITTON S., SHORT F.

10:15-10:30 "Monitoring of *Posidonia* meadows under the EC habitats directive: vehicular videography can estimate trends in coverage at low cost and high precision" par Stewart T. SCHULTZ, BAKRAN-PETRICIOLI T., KRUSCHEL C., PETRICIOLI D.

10:30-10:45 Discussion

10:45-11:15 *Pause café*

11:15-11:30 "Une évaluation rapide et non destructive de votre herbier de Posidonie" par Gérard PERGENT

11:30-12:15 Session Posters (15 à 22)

Session 3: Cartographie, surveillance et gestion de la végétation marine de Méditerranée (suite)

12:15-12:30 "Analyse critique de l'évaluation de l'état de conservation de l'herbier de posidonie dans le cadre du programme de Cartographie des Habitats Marins – CARTHAM" par Boris DANIEL, LAMOUREUX A.

12:30-12:45	"Are Mediterranean MPAs protecting marine forests?" par Fabrizio GIANNI, MANGIALAJO L.
12:45-13:00	Discussion
13:00-14:00	<i>Déjeuner</i>
Session 4 :	Impact et nuisances menaçant les formations végétales de Méditerranée
14:00-14:15	"Impact de la pêche par mini-chalut benthique sur les herbiers à <i>Posidonia oceanica</i> dans le secteur nord-est des îles Kerkennah (Tunisie) " par Ahmed BEN HMIDA, SHILI A., SGHAIER Y.R., RAIS C.
14:15-14:30	"Assessment and quantification of the anthropic impact on the <i>Posidonia Oceanica</i> seagrass meadow" par Samy ALAMI, BONACORSI M., CLABAUT P., JOUET G., PERGENT-MARTINI C., PERGENT G., STERCKEMAN A.
14:30-14:45	"Assessing <i>Posidonia oceanica</i> beds regressions using anthropogenic pressures maps along a French coastal region" par Florian HOLON, BOCKEL T., BOISSERY P., DETER J.
14:45-15:00	"Arsenic concentrations in seagrass around the Mediterranean coast and seasonal variations" par Christine PERGENT-MARTINI, SALIVAS-DECAUX M., LANGAR H., PERGENT G., AKÇALI B., ALVAREZ-PÉREZ E., APOSTOLAKI E., BAKRAN-PETRICIOLI T., BELBACHA S., BORG J., BUIA C., CASALTA B., CELEBI B., FERNANDEZ-TORQUEMADE Y., HADJICHRISTOFOROU M., LLAGOSTERA I., LIPEJ L., LOPEZ Y ROYO C., MARCOU M., MAVRIC B., PANZALIS P., ROMERO J., SEMROUD R., SKOUFAS G., TURK R., WEITZMANN B., ZAPATA-SALGADO F.J.
15:00-15:15	"The conceptualization of trace element flows within <i>Posidonia oceanica</i> meadows: a collaborative proposal to fill knowledge gaps" par Jonathan RICHIR, GOBERT S.
15:15-15:30	"Mercury contamination in <i>Posidonia oceanica</i> in a harbour area of the eastern coast of Tunisia" par Rym ZAKHAMA-SRAIEB, SGHAIER Y.R., BEN HMIDA A., CHARFI-CHEIKHROUHA F.
15:30-15:45	Discussion
15:45-16:15	<i>Pause café</i>
16:15-17:00	Session Poster (23 à 31)
17:00-17:30	Remise de prix pour le meilleur poster
17:30-19:00	Clôture du Symposium