

AGENDA CONFERENCE

AMPHITHEATRE DE LA MAISON DE LA RECHERCHE EN SCIENCES HUMAINES
(MRSH)

Tuesday 24 October 2023

6.00 pm to 7.10 pm - Poster flash communications (chairperson: Dominique Mouazé)

Session 1

6.00 pm to 6.03 pm. Integrating Climate Vulnerability Assessment into MPA Networks Design: A Conceptual - **Cambra Eléonore, Alessandra Conversi Elena**

6.03 pm to 6.06 pm. Influence of Macroalgae on the Physico-Chemical Habitat of the European abalone *Haliotis* - **Justine Fouassier, Sophie Martin, Sabine Roussel, Stéphane Loisel, Éric Mace, Mathieu Camusat, Yann Fontana, Wifried Thomas, Stéphanie Auzoux-Bordenave**

6.06 pm to 6.09 pm. An Invasive Mussel in an Oyster-Farming Region: Arcachon Bay. **Erreur ! Signet non défini.** - **Justine Fouassier, Sophie Martin, Sabine Roussel, Stéphane Loisel, Éric Mace, Mathieu Camusat, Yann Fontana, Wilfried Thomas, Stéphanie Auzoux-Bordenave**

6.09 pm to 6.12pm. Why do *Ecklonia cava* ssp. *kurome* remain in deep water in Isoyake area off Eastern Kyushu, Japan? **Kurumi Fujino, Tatsuru Kadota, Huamei Shao, Hideaki Yamada, Shin Shirakashi, Noboru Murase, Mahiko Abe**

6.12 pm to 6.15 pm. Rapid Estimation of Marine Benthos Abundance Using "sedimentary DNA": A Case Study of the Burrowing Decapod *Upogebia major* in Tidal Flats - **Kitabatake K., Izumi K., Ito-Kondo N. and Okoshi K.**

6.15 pm to 6.18 pm. A Natural HighTech: the Great Scallop as a Sensor of Potential Effects of Submarine Cables- **A. Jolivet, L. Garnier, L. Chauvaud, D. Saffroy, S. Chauvaud**

6.18 pm to 6.21pm. Large Scale & High-Resolution Mapping of Marine Benthic Habitats in Coastal Areas, a Tool for Marine Protected Area managers. The case of the Roches-Douvres Plateau, English Channel, Brittany, France. - **Alyson Le Quilleuc, Antoine Collin, Gwenola De Roton, Sébastien Aubin, Loïc Le Goff, Anne Mouget, Viviane David, Pierre Thiriet, Dorothée James, Éric Feunteun.**

6.21 pm to 6.24 pm. Environmental Vulnerabilities, Social Inequalities, and Conflicts of Access to Fishery Resources Associated with Artisanal Small-Scale Fisheries in the Port of Mostaganame (Algerian coast, SW Mediterranean) - **Alyson Le Quilleuc, Antoine Collin, Gwenola De Roton, Sébastien Aubin, Loïc Le Goff, Anne Mouget, Viviane David, Pierre Thiriet, Dorothée James, Éric Feunteun.**

6.24 pm to 6.27 pm. Adaptation Options for Vessels Highly Dependent on a Limited Number of Species Under Climate and Political Changes. Case of New Aquitaine (France) Southern Fleets – **N. Caill-Milly and Carter, C.**

6.27 pm to 6.30 pm. Environmental Vulnerabilities, Social Inequalities and Conflicts of Access to Fishery Resources Associated with Artisanal Small-Scale Fisheries in the Port of Mostaganame (Algerian coast, SW Mediterranean) - **Zaimen Fouad, Ghodbani Tarik**

6.30 pm to 6.33 pm. Trends in Chemical Contamination Based on French Mussel Watch Network to Study the Trajectories of French Coastal Ecosystems Supporting Shellfish Farming (1979-2018). **Audrey Bruneau, Florence Menet-Nedelec, Dominique Soudant, Anne Grouhel, Dominique Munaron, Tania Hernández-Fariñas**

Session 2

6.33 pm to 6.36 pm. Towards a Unified Modelling of Wave-Current-Turbulence Interactions in Three Dimensions: Application to Alderney Race (France) and Gregory Sound (Ireland) - **L. G. Calo, A.-C. Bennis, M. Boutet, F. Dias.**

6.36 pm to 6.39 pm. Species Connectivity between Offshore Windfarms in the Bay of Seine. MARS 3D and ICHTHYOP Coupling – **Souha Ajmi, Martial Boutet, Anne-Claire Bennis, Jean-Philippe Pezy, Jean-Claude Dauvin.**

6.39 am to 6.42 am. Impact On Marine Biodiversity from Offshore Wind Power Converter Station Platform - **Akiko Furuya, Flore de Noblet, William D. Pearse, Tor Laneryd, Madeleine Stolpe, James Bridges, Sylvia Giorgetti, Paul Taylor.**

6.42 pm to 6.45 pm. Simulation Through Deep Learning of Seabirds' Behaviour: Evaluating the Impact of Offshore Windfarms - **Benboudjema Sophie, Nogaro Géraldine, Urien Nastassia, Jouhanique Thierry, Lanco Bertrand Sophie**

6.45 pm to 6.48 pm. The Cultural Interface Between Human Needs and Nature's Integrity: the Case Study of Beaussais' Marsh - **Nancy Lamontagne, Antoine Collin, Dorothée James, Eric Feunteun**

6.48 pm to 6.51 pm. Forcing the CMS (Coupled Mode System) with Realistic Sea States- **Martin Goix, Clément Calvino, Martial Boutet, Anne-Claire Bennis**

6.51 pm to 6.54 pm. New Tools to Evaluate the Effects of Magnetic Fields from Submarine Power Cables on Marine Fauna - **Louana Albert**

6.54 pm to 6.57 pm. Approach for Studying the Reef and Reserve Effects of Offshore Wind Farms: The Fécamp Platform - **Jean-Philippe Pezy, Aurore Raoux, Mael Deloor, Pascal Claquin, Régis Gallon, Isabelle Poirier, Anne-Marie Rusig, Isabelle Mussio, Mathilde Charbonnelle, Fabrice Leroy, Lucille Furgerot**

6.57 pm to 7.00 pm. – Preliminary Geophysical Characterization of MRE Zones - **Edith le Borgne, Loïc Moutoussamy, Yann le Faou, Julie Bignon, Blandine le Cour Grand Maison, Marie Laurent, Herman Gauduin, Emeline Geba**

7.00 pm to 7.03 pm. Pattern of Fish Community on Two Artificial Structures in French Atlantic Coast. **Célia Besson (visio conf)**

Session 3

7.03 pm to 7.06 pm. Before/After the Submersion Process Using Planetscope Monthly Time-Series at High Spatial Resolution: The Case Study of Beaussais' Marsh - **Antoine Collin, Dorothée James, Nancy Lamontagne, Eric Feunteun, Tony Durozier, Gwenal Hervouet**

7.06 pm to 7.09 pm. Index for Assessing and Predicting the Ecological Potential Quality of a Coastal Site in a Context of Depoldering - **Marianne Debue, Lucille Billon, Rémy Poncet, Yorick Reyjol, Olivier Brivois, Sylvestre Le Roy, Tony Durozier, Adrien Privat**

7.09 pm to 7.12 pm. Utilizing UAV and LiDAR Technology for Coastal Erosion Study: Importance of Sensor Calibration and Methodology Proposal - **Régis Gallon, Antoine Collin, Dorothée James, Emmanuel Poizot**

7.12 pm to 7.15 pm. Spatial and Temporal Monitoring of Dune System Evolution Using Drone-Based Laser grammetry: The Case Study of Anse Du Guesclin (Brittany) - **Dorothée James, Antoine Collin, Nancy Lamontagne, Iris Jeuffard, Olivia Le Gal, Éric Feunteun, Guillaume Duthion, Jean-François Lebas**

7.15 pm to 7.18 pm. Open Access Data on Marine Dunes of the French Continental Shelf - **Aurélien Gangloff and Thierry Garlan.**

7:30 pm – 8:30 pm – Poster session (free discussion in the Aula Magna)

Wednesday 25 October 2023

(presentation in English – 15mn plus 5mn for questions)

8:30 – 9:00 - Keynote Session 1

Science-based Reflections on the (in) Compatibility of Offshore Wind Farms and Marine Biodiversity - Steven Degraer

9.00 am to 10.50 am - Oral Communications, Session 1 (chairperson: T. Komatsu)

9.00 am to 9.20 am. Impact of Changes in Marine Ecosystem on Ecosystem Service Delivery: A Systematic Map and a Meta-Analysis - **C. Sylvie Campagne, Laurie-Anne Roy, Joseph Langridge, Joachim Claudet, Rémi Mongruel, Damien Beillouin, Éric Thiébaud**

9.20 am to 9.40 am. Comparative Approach of Long-term Changes in Three Coastal Social-Ecological Systems Supporting Shellfish Farming (France) - **Bruneau Audrey, Derolez Valérie, Gangnery Aline, Mongruel Rémi.**

9.40 am to 10.00 am. Massive Bloom of *Picochlorum* in a Mediterranean Shellfish-exploited Coastal Lagoon: A Synergy of Climatic Events Leading to a Cascade of Ecological Effects - **Franck Lagarde, Ariane Attela, Valérie Derolez, Nicolas Cimiterra, Elodie Foucault, Gregory Messlaen, Marion Richard, Masami Hamaguchi, Masakazu Hori, Angélique Gobet, Béatrice Bec.**

10.00 am to 10.20 am. Restoring an Urbanized Coastal Freshwater Marsh: Consequences on Contamination Dynamic? - **Adélaïde Lerebours, Mireia Kohler, Lauriane Bergeron, Jeanne Latreille de Lavarde, Bénédicte Dubillot, Jérôme Jourde, Christine Dupuy, Elodie Reveillac, Marie Vagner, Carine Churlaud, Maud Brault Favrou, Hélène Agogué, Thomas Lacoue-Labarthe**

10.20 am to 10.40 am. Modelling the Combined Effects of Ocean Acidification (OA) and Warming (OW) on the European Abalone *Haliotis tuberculata* - **Paulo F. Lagos, Laure Pecquerie, Stéphanie Auzoux-Bordenave, Jonathan Flye Sainte-Marie, Sophie Martin and Sabine Roussel**

10.50 am to 11.30 am Coffee Break

11.30 am to 12.30 - Session 1 continued (chairperson: W. Sato-Okoshi)

11.30 am to 11.50 am. Effect of Aquaculture-related Stress on Fish Health - Can Controlled Stressor act as Good Stress in Fish? - **Toshiki Nakano**

11.50 am to 12.10. Spawning Migration Routes and Orientation Mechanisms of Anguillid Eels - **Takatoshi Higuchi**

12.10 to 12.30. Resilience of Marine Benthic Communities in an Area Highly impacted by Human Activities: The Case of the English Channel - **Jean-Claude Dauvin**

12.30 to 1.30 pm Lunch break

1.30 pm to 4.30 pm - Session 1 continued (chairperson: N. Niquil)

1.30 pm to 1.50 pm. Current Status and Causes of the Decline of Seaweed Beds in Japan - **Teruhisa Komatsu**

1.50 pm to 2.10 pm. Discussing Larval Development and Life History among three Polydora - **Yuki Nagai, Jean-Claude Dauvin, Kenji Okoshi, Goh Nishitani, Waka Sato-Okoshi**

2.10 pm to 2.30 pm. Toward a Benthic Functional Diversity Approach of the English Channel Coarse Sediments - **Robin Van Paemelen, Aurore Raoux, Éric Thiébaud, Jean-Philippe Pezy**

2.30 pm to 2.50 pm. Sessile Communities in Under-Pressured Coastal Ecosystems: the Case of French Harbors in the English Channel - **Marion Vial, Christelle Caplat, Katherine Costil, Hervé Gueune, Julie Agogué.**

2.50 pm to 3.10 pm. Cost-Effective Near-Shore Seaweed Monitoring for Blue Carbon Study - **Ken-ichi Hayashizaki, Hajime Okawa, Teruhisa Komatsu**

3.30 pm to 3.50 pm. Spatial variation of air-sea CO₂ flux in the Seto Inland Sea and analysis of contributed parameters. **Mashiro Fujita, Mitsuru Hayashi, Eiji Yamashita, Souichi Hirokawa.**

3.50 pm to 4.10 pm Coffee Break

4.10 pm to 4.30 pm. Distribution of CO₂ and N₂O Concentrations in Surface Seawater measured in the Seto Inland Sea and Shikoku Southern Offing - **Mitsuru Hayashi and Eiji Yamashita**

4.30 pm to 5.10pm - Session 2 (chairperson: A.-C. Bennis)

4.30 pm to 4.50 pm. Assessment of Wave-Induced Turbulence in a Complex Macrotidal Environment, an Observational Study Using ADCP Data - **Clément Calvino, Anne-Claire Bennis, Lucille Furgerot, Emmanuel Poizot, Pascal Bailly du Bois**

4.50 pm to 5.10 pm. An Ecosystem Approach for Studying the Impact of Tidal Farms: a French Case Study - **Mathilde Charbonnelle**

5.10 pm. Departure for the “Abbaye aux hommes”

Thursday 26 October 2023

8.50 am to 10.30 am - Session 2 continued (Chairperson: S. Degraer)

8.50 am to 9.10 am. Impact of the Construction of the MRE Platform in the Semi-Enclosed Bay Bordering the English Channel (“Rade de Cherbourg”) on Benthic Habitat and Geomorphology. **Baux N., Grégoire G., Gallon R., Murat A., Méar Y, Poizot E.**

9.10 am to 9.30 am. Monitoring the Habitat Use and Movements of Mobile Species in a Context of Offshore Wind Energy Development - **Lydie Couturier, Pierre Labourgade, Thomas Trancart, Jérôme Bourjea, Eric Stephan, Marine Gonse, Martial Laurans, Mathieu Woillez, Jan Reubens, Eric Feunteun, Armelle Jun, Philippe Lenfant.**

9.30 am to 9.50 am. In Vitro Evaluation of Exposure of Early Life-History Stage (ELHS) Marine Fishes to Electromagnetic Fields (EMF) - **Lisa Garnier, Damien Saffroy, Hélène Claudel, François Deschamps, Steve Simpson, Andy Radford, Philippe Lenfant, Anais Gudefin, Gilles Lecaillon**

9.50 am to 10.10 am. Methods for Modelling Marine Food Webs and Studying the Cumulative Impact of Climate Change and Offshore Wind Turbines on Their Functioning - **Nathalie Niquil and Quentin Noguès**

10.10 am to 10.30 am – Coffee Break

10.30 am to 10.50 am. An Ecosystem Approach for Studying the Impact of Offshore Wind Farms: The Dieppe-Le Tréport Case Study - **Jean-Philippe Pezy, Alice Delegrange, Ludivine Martinez, Emeline Pettex, Chloé Malirat, Mael Deloor, Pascal Claquin, Tatiana Gauche, Ferdinand Schlicklin, Jean-Baptiste Valerdi, Mathilde Charbonnelle, Aurore Raoux**

10.50 am to 11.20 am. Vulnerability and Spatial Competition: The Case of Fisheries and Offshore Wind Projects - **Buchholzer Hélène, Frésard Marjolaine, Le Grand Christelle, Pascal Le Floc’h**

11.20 am to 11.50 am - Keynote session 3

Towards Predicting Decadal Shoreline Change Trends on a Global Scale - **Dano Roelvink**

11.50 am to 12.30 - Session 3 (chairperson: Daniel Levacher)

11.50 am to 12.10 am. Ship-Borne Wave Gauge Using GNSS Interferometric Reflectometry - **Kaoru Ichikawa, J.Q. Zhu, J. Noda, R. Sakemi, K. Yufu and K. Matsuura**

12.10 am to 12.30 am. Investigating the Dynamics of Extreme Wave Energy Transfer during Propagation towards Coastal Zones - **R. Matar, N. Abcha, I. Turki, N. Lecoq**

12.30 to 1.30 pm Lunch break

1.30 pm to 5.10 pm. Session 3 continued (chairperson: Mohamed Boutouil)

1.30 pm to 1.50 pm. Coastal Storm Surge and Extreme Sea Level Simulation Using Machine Learning - **P. Sreeraj, P. Swapna, Singh Manmeet, R. Krishnan**

1.50 pm to 2.10 pm. Improving Coastal Ocean Circulation Modelling through Refined Representation of Wave-Current Interactions - **Gaetano Porcile, Anne-Claire Bennis, Martial Boutet, Sophie Le Bot, Franck Dumas, Swen Jullien.**

2.10 pm to 2.30 pm. Cross-Shore Suspended Sediment Transport in the Upper Shoreface - **Marc Pezerat, Xavier Bertin.**

2.30 pm to 2.50 pm. Solutions to Preserve Gorgan Bay Against Level Decrease in the Caspian Sea - **Majid Jandaghi Alaei, Pooneh Rezaei Moghaddam, Khadije M. Vaghefi.**

2.50 pm to 3.10 pm. Assessment of the Impact of Dredge Disposal Sediment: Towards a Multicriteria Index - **Bastien Chouquet, Noémie Baux, Jean-Claude Dauvin, Jean-Philippe Pezy, Aurore Raoux, Gwenola De Roton, Camille Delage, Sandrine Samson and Patrice Tournier.**

3.10 pm to 3.30 pm. Granulate Extraction Effects on the Benthic Coarse Sand Community: The GIE-GMO Site - **Nathan Chauvel, Aurore Raoux, Ferdinand Schlicklin, Pierre Weill, Laurent Dezi-leau, Jean-Claude Dauvin, Jean-Philippe Pezy.**

3.30 pm to 3.50 pm – Coffee Break

3.50 pm to 5.10 pm. Session 3 continued (chairperson: Jean-Claude Dauvin)

3.50 pm to 4.10 pm. Development of a Continuous Measurement System for Small Microplastics Using a Micro-Raman Spectrophotometer - **Hiroya Nagashima, Zijiang Yang, Hisayuki Arakawa.**

4.10 pm to 4.30 pm. Multidisciplinary Study to Highlight Interaction Between Anthropogenic Disturbance and Natural Coastal Sedimentary Processes – **Noémie Baux, Anne Murat, Emmanuel Poizot, Yann Méar, Sandric Lesourd, Gwendoline Grégoire, Jean-Claude Dauvin.**

4.30 pm to 4.50 pm. Ten Years After the Great East Japan Earthquake: Environmental Changes in Clam Production Sites and Future Prospects – **Kenji Okoshi, M. Suzuki**

5.10 pm Departure for the Caen Memorial