

ISOBAY XVI

XVI International

Symposium on Oceanography of the Bay of Biscay



June 5-7th 2018, Anglet, France

<https://isobay16-anglet.sciencesconf.org/>



Ifremer



Program of the conference

Tuesday 5th

08:15 09:30 **Registration + welcome coffee**

09:30 10:15 **Opening conference**

S1 : Physical oceanography, coastal dynamics & geology, erosion, transport and sedimentation

Chair: Damien Sous (University of Toulon) & Stéphane Abadie (UPPA)

10:15 10:45 **Gerd Masselink (Keynote speaker)**

Coastal morphodynamics under extreme waves along southwest coast of England

10:45 11:00 **Delpey Matthias, Somdecoste Tom, Morichon Denis, Tristan Keroullé, Liria Pedro, De Santiago Inaki, Epelde Irati, Danglade Nikola, Mader Julien**

Characterization of waves and runup during a storm event based on coupled in situ measurements and videometry: MAREA field experiment on Biarritz beach

11:00 11:15 **Poncet Pierre-Antoine, Abadie Stéphane, Larroque Benoit, Liquet Benoit, Sous Damien**

In-situ measurement of wave impact pressure on a composite breakwater in St-Jean-de-Luz

11:15 11:30 **Bellafont Florian, Morichon Denis, André Gaël, Adadie Stéphane**

Hydrodynamic behavior of a channel harbor

11:30 11:45 **Andre Gaël, Bellafont Florian, Leckler Fabien, Morichon Denis**

Characterization of seiches in small-scale harbors

11:45 12:00 **Nicolae Lerma Alexandre, Ayache Bruce, Ulvoas Beatrice, Paris François, Bernon Nicolas, Bulteau Thomas, Mallet Cyril**

Airborne LiDAR derived geomorphological indicators to analyse pluriannual evolution of sandy beach systems at regional scale.

12:00 12:15 **Guiastrennec-Faugas Léa, Gillet Hervé, Silva Jacinto Ricardo, Hanquiez Vincent, Dennielou Bernard, Simplet Laure**

High resolution time-lapse morphobathymetry and short-term evolution of the upper part of the Capbreton submarine canyon

12:15 12:30 **Gillet Hervé, Guiastrennec-Faugas Léa, Gazzoli Léa**

ROV submarine exploration of the proximal part of the Capbreton canyon. Preliminary morphological and geological results of the HaPoGé oceanographic survey

12:30 14:00 **Lunch**

14:00 14:15 **Dupré Stéphanie, Pierre Catherine, Ruffine Livio, Michel Guillaume, Scalabrin Carla, Ehrhold Axel, Loubrieu Benoît, Gautier Emeric, Baltzer Agnès, Battani Anne, Imbert Patrice, Deville Eric**

Long-lasting Microbial Methane Release at the Aquitaine Shelf Break (Bay of Biscay): Relation with the (Plio)-Pleistocene Sedimentary Progradation of the Continental Margin

14:15 14:30 **Buquet Damien, Sirieix Colette, Frédérique Eynaud, Londeix Laurent, Zaragosi Sébastien, Naessens Fabien, Bujan Stéphane, Sabidussi Jonathan**

Geophysical and geotechnical prospection for paleogeographical and paleoenvironmental reconstruction. Application to the archaeological site of the Lede du Gulp (Medoc peninsula)

14:30 14:45 **Proença Barbara, Sottolichio Aldo, Michalet Richard, Ganthly Florian**

Changes in sediment stabilisation induced by invasive cordgrass colonisation in the Bay of Arcachon

14:45 15:00 **Gauthier Victor, Lazure Pascal, Puillat Ingrid**

High Frequency Hydrodynamics in the French South East of the Bay of Biscay from In Situ Measurements

- 15:00 15:15 **Valencia Victoriano, Almudena Fontán, Nerea Goikoetxea, Manuel González, Marina Chifflet, Ander López**
T-S properties of the upper water masses in the SE Bay of Biscay from a long-term (2007-2017) mooring line. Comparisons with a time series (1986-2017) of vertical CTD profiles.
- 15:15 15:30 **Costoya Xurxo, Fernández-Nóvoa Diego, Decastro Maite, Gómez-Gesteira M.**
Influence of Adour River discharges on the thermohaline characteristics in the adjacent coastal ocean
- 15:30 15:45 **Ayouche Adam, Charria Guillaume, Theetten Sébastien, Carton Xavier, Ayoub Nadia**
Baroclinic Instabilities in River Plumes: Numerical Idealized Simulations in the Bay of Biscay
- 15:45 16:00 **Fernandez-Novoa Diego, Costoya Xurxo, De Castro Maite, Gomez-Gesteira Moncho**
Using MODIS to characterize the dynamic of the main Cantabrian river plumes
- 16:00 16:45 **Coffee break/Poster session**
- 16:45 17:00 **Declerck Amandine, Delpy Matthias, Rubio Anna, Ferrer Luis, Basurko Oihane, Mader Julien**
Surface transport of marine litter in the coastal area of the south-eastern Bay of Biscay: a Lagrangian approach.
- 17:00 17:15 **Granado Igor, C. Basurko Oihane, Fernandes Jose, Ferrer Luis, Rubio Anna**
Use of Bayesian networks for beach litter prediction
- 17:15 17:30 **Rodriguez-Diaz Laura, Gomez-Gesteira Moncho**
Dispersion of microplastics inside the Bay of Biscay
- 17:30 17:45 **Defontaine Sophie, Morichon Denis, Sous Damien, Monperrus Mathilde**
A combined numerical/experimental approach to understand stratification and mixing processes in the Adour estuary
- 17:45 18:00 **Bails Julien, Dailloux Damien, Dugor Jérémy, Rihouey Didier**
Tridimensional modelling of the suspended sediment transport in the Adour estuary
- 18:00 18:45 **Poster session**
- 19:00 20:00 **Welcome drink**
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Wednesday 6th

S2 : Biogeochemical cycles & Pollution, Ecotoxicology, Eutrophication

Chair: Pierre Anschutz (University of Bordeaux) & Paco Bustamante (University of La Rochelle)

- 08:30 09:00 **Ionan Marigomez (Keynote speaker)**
Integrated biological effects monitoring in the Bay of Biscay based on ICES/OSPAR core biomarkers
- 09:00 09:15 **Dulaquais Gabriel, Waeles Matthieu, Derrien Pierre-Yves, Breitenstein Johann, Riso Ricardo, Knoery Joël**
The physico-chemical speciation of dissolved copper in the Loire estuary in relation to humic substances distribution
- 09:15 09:30 **Franco Javier, Bald Juan, Borja ángel, Fontán Almudena, Larreta Joana, Revilla Marta, Solaun Oihana, Valencia Vícto, Zorita Izaskun**
Nutrients in estuaries and coastal waters of the Basque Country: Long-term variability (1995-2017) associated to natural and anthropogenic factors
- 09:30 09:45 **Oms Pierre-Emmanuel, Bailly Du Bois Pascal, Dumas Franck, Lazure Pascal, Morillon Mehdi, Voiseux Claire, Le Corre Cédric, Solier Luc, Maire Donovan, Caillaud Matthieu, Boyer Patrick**
Tritium as an original continental runoffs tracer in the Bay of Biscay: measurements and modelling.

09:45 10:00 **Zorita Izaskun, Bald Juan, Borja ángel, Fontán Almudena, Franco Javier, Larreta Joana, Revilla Marta, Solaun Oihana, Valencia Víctor**
Assessing the water quality of the Oka estuary (SE Bay of Biscay) in relation to the sewerage scheme

10:00 10:45 **Coffee break/Poster session**

10:45 11:00 **Serrano Humberto, Cearreta Alejandro, Irabien María Jesús**
Recent geological record of human impact and environmental improvement in the Abra of Bilbao (N Spain): A geochemical and microfaunal approach

11:00 11:15 **Stoichev Teodor, Tessier Emmanuel, Coelho J. Pedro, Valenzuela M. Gabriela, Pereira M Eduarda, Amouroux David**
Multiple regression analysis to assess the spatial distribution and speciation of mercury in surface sediments of a contaminated lagoon (Ria de Aveiro, Portugal)

11:15 11:30 **Wessel Nathalie, Brun Mélanie, Parisot Florian, Thierry Burgeot, Mauffret Aourell**
MSFD descriptor 8 assessment in the French part of the Bay of Biscay

11:30 11:45 **Azaroff Alyssa, Tessier Emmanuel, Gassie Claire, Deborde Jonathan, Guyoneaud Rémy, Monperrus Mathilde**
Mercury species reactivity in the deep sea sediment of the Capbreton Canyon (Biscay Bay, SW France)

11:45 12:00 **Ruiz Irene, Basurko Oihane C., Rubio Anna, Ferrer Luis, Ainhize Uriarte, Julien Mader, Vanessa-Sarah Salvo, Iker Azurmendi**
Life LEMA project: Facing the challenge of floating marine litter in the Bay of Biscay

12:00 12:15 **Valencia Ainara, Diaz De Cerio Oihane, Ortiz-Zarragoitia Maren, Cancio Ibon**
Intersex mullets in the south east Bay of Biscay: evolution and trends in Gernika and Pasaia

12:15 12:30 **Mauffret Aourell, Wessel Nathalie, Chouvelon Tiphaine, Cresson Pierre, Bănaru Daniela, Bustamante Paco, Baudrier Jérôme, Mialet Benoit, Saibi-Yedjer Lynda, Spitz Jérôme, Harmelin-Vivien Mireille**
Relationship between fish contamination and trophodynamic in three French subregions

12:30 14:00 **Lunch**

S3 : Biodiversity and ecosystem functioning

Chair: Béatrice Lauga (UPPA), Naiara Rodríguez-Ezpeleta (AZTI), Marie-Noëlle De Casamajor (Ifremer), Francisco Sánchez (IEO), Robert Duran (UPPA) & José Maria Gorostiaga (UPV)

14:00 14:30 **Rodriguez-Valera Francisco (Keynote speaker)**
Fine profile of the Mediterranean stratified and mixed water column revealed by metagenomic assembly and recruitment

14:30 14:45 **Villarino Ernesto, Irigoien Xabier, Villate Fernando, Iriarte Arantza, Uriarte Ibon, Zervoudaki Sultana, Carstensen Jacob, O'brien Todd, Chust Guillem**
Long-term trends of zooplankton and sea warming across the North Atlantic and Mediterranean Sea

14:45 15:00 **Bouquieaux Marie-Catherine, Rey Anaïs, Mendibil Iñaki, Santos Mokoroa María, Cotano Unai, Irigoien Xabier, Rodríguez-Ezpeleta Naiara**
Assessing macroorganisms biodiversity in the Bay of Biscay through environmental DNA

15:00 15:15 **Villate Fernando, Uriarte Ibon, Iriarte Arantza, Escudero Raquel**
Zooplankton indicators of water quality based on time series for estuaries on the southeastern Bay of Biscay

15:15 15:30 **Louzao Maite, Valeiras Xulio, García-Barcelona Salvador, González-Quirós Rafael, Nogueira Enrique, Iglesias Magdalena, Bode Antonio, Vázquez Jose, Murcia José Luis, Saavedra Camilo, Pierce Graham, Fernández Ruth, Garcia-Baron Isabel, Santos Begoña**
Co-occurrence of marine predators in the northern Iberian Peninsula inferred from spatial modelling

- 15:30 15:45 **Astarloa Amaia, Louzao Maite, Martínez Udane, Rubio Anna, Boyra Guillermo, Chust Guillem**
Disentangling the cooccurrence patterns of marine top predators and prey in the Bay of Biscay: environment versus species interactions
- 15:45 16:00 **Cresson Pierre, Bănaru Daniela, Briand Marine, Chauvelon Tiphaine, Mauffret Aourell, Bustamante Paco, Mialet Benoit, Spitz Jérôme, Wessel Nathalie, Harmelin-Vivien Mireille**
Different trophic functioning of fish assemblages in French marine subregions
- 16:00 16:45 **Coffee break/Poster session**
- 16:45 17:00 **Huguenin Laura, Gorostiaga José Maria, De Casamajor Marie-Noëlle, Lalanne Yann, Quintano Endika, Deborde Jonathan, Monperrus Mathilde**
Rocky intertidal communities' response to sewage discharges and associated micropollutants along the Basque coast (Southeastern Bay of Biscay)
- 17:00 17:15 **Bareille Gilles, Holub Alexandre, Vignon Matthias, Tabouret Héléne, Marty Samuel, Barracou David, Dartau Benoit, Bérail Sylvain, Pécheyran Christophe, Nachon David, Caballero Pablo, Cobo Fernando**
Otolith microchemistry distinguishes natal sources of returning Atlantic salmon at inter-basin, basin, river and hatchery spatial scales in the south-western Europe
- 17:15 17:30 **David Carmen, Marzloff Martin, Cugier Philippe, Dubois Stanislas**
Larval dispersal and connectivity of reef-forming Sabellaria alveolata along the French Atlantic coast
- 17:30 17:45 **Alvarez Paula, Sobradillo Beatriz, Aldanondo Naroa, Boyra Guillermo, Iñarra Bruno, Martinez Udane**
Biology, distribution, acoustic abundance and vertical diel of Maurolicus muelleri (Gmelin, 1789) in the Bay of Biscay.
- 17:45 18:00 **Calleja Apéstegui Felipe, Ondiviela Eizagirre Bárbara, Juanes De La Peña José Antonio**
Remote sensing in small estuaries. Comparison of images and classification approaches for mapping estuarine vegetation
- 18:30 19:45 **Communication grand public**
Impacts du changement climatique dans le golfe de Gascogne
- 20:00 22:30 **Gala dinner**
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Thursday 7th

- 08:30 08:45 **Ramos Elvira, F. De La Hoz Camino, Guinda Xabier, Puente Araceli, Juanes José Antonio**
Are intertidal macroalgae modified along the Bay of Biscay in less than a decade?
- 08:45 09:00 **Francisco Sánchez, Augusto Rodríguez Basalo, María Gómez-Ballesteros, Javier Cristobo, Santiago Parra, Elena Prado, Antia Lourido, Teodoro Patrocinio, Pilar Ríos**
Habitats characterization of circalittoral rocky bottoms of the Avilés Canyon System (Cantabrian sea)
- 09:00 09:15 **Serrano Alberto, Punzón Antonio, Sánchez Francisco, Blanco Marián**
Deep water fish ontogenic changes in habitat preferences in several NE Atlantic ecosystems.
- 09:15 09:30 **De Casamajor Marie-Noëlle, Lalanne Yann, Huguenin Laura, Derrien-Courtel Sandrine, Gorostiaga José Maria, Le Gal Aodren, Quintano Endika, Lissardy Muriel**
Characterization of Cystoseira baccata rocky subtidal stands along the French Basque coast (Bay of Biscay)
- 09:30 09:45 **Preciado Izaskun, Arroyo Nina Larissa, González-Irusta José Manuel, López-López Lucía, Punzón Antonio, Muñoz Isabel, Serrano Alberto**
Small-scale spatial variations of fishing impact on food web structure

09:45 10:00 **Galparsoro Ibon, Pinarbasi Kemal**
Systematic Conservation Planning based on ecosystem characteristics and services provided: the Basque Country (SE Bay of Biscay) experience

10:00 10:45 **Coffee break/Poster session**

10:45 11:00 **Foulquier Clémence, Rihouey Didier, D'Amico Frank**
Wave conditions effects in coastal areas on benthic communities structure, distribution and dynamic along the French Basque Coast

11:00 11:15 **Cognat Mathis, Ganthy Florian, Auby Isabelle, Rigouin Loic, Barraquand Frédéric, Sottolichio Aldo**
*Environmental factors controlling growth of seagrass meadows of *Zostera noltei* in a context of drastic decline (Arcachon Bay, France)*

S4 : Fisheries and Aquaculture

Chair: Marie-Joëlle Rochet (Ifremer) & Guillem Chust (AZTI)

11:15 11:45 **Marie-Joëlle Rochet (Keynote speaker)**
Pressure and impacts of fisheries on the Bay of Biscay fish communities: patterns and trends

11:45 12:00 **Unai Aldalur, Benat Zaldibar, Izaskun Zorita**
Assessment of the reproductive cycle and presence of parasites in molluscs cultured in offshore waters of the southeastern Bay of Biscay

12:00 12:15 **Sylvie Lapègue, Serge Heurtebise, Jean-Baptiste Lamy, Florence Cornette, Lionel Dégremont, Emilie Flahauw, Mélodie Chapat, Pierre Boudry, Nicolas Bierne, Pierre-Alexandre Gagnaire**
The Pacific and the Portuguese cupped oysters, two semi-isolated species as genomic resources for shellfish farming

12:15 12:30 **Hengtong Liu, Iban Seiliez, Pascale Coste, Jacques Rives, Emmanuel Huchet, Elisabeth Plagnes-Juan, Valérie Bolliet**
Does glass eels migration propensity depends on metabolism and autophagy?

12:30 14:00 **Lunch**

14:00 14:15 **Claire Kermorvant, Nathalie Caill-Milly, Frank D'Amico, Noëlle Bru**
Using spatially balanced sampling designs to optimise cost-efficiency of long term monitoring programs: application to Manila clam in Arcachon Bay.

14:15 14:30 **Joxe Mikel Garmendia, Juan Bald, Iratxe Menchaca, Ángel Borja**
Basque coast marine resources exploitation: does the cooperative management of resources work?

14:30 14:45 **Aitor Escribano, Naroa Aldanondo, Agurtzane Urtizberea**
Assessing size and density dependent mortality of anchovy juveniles in the Bay of Biscay during winter

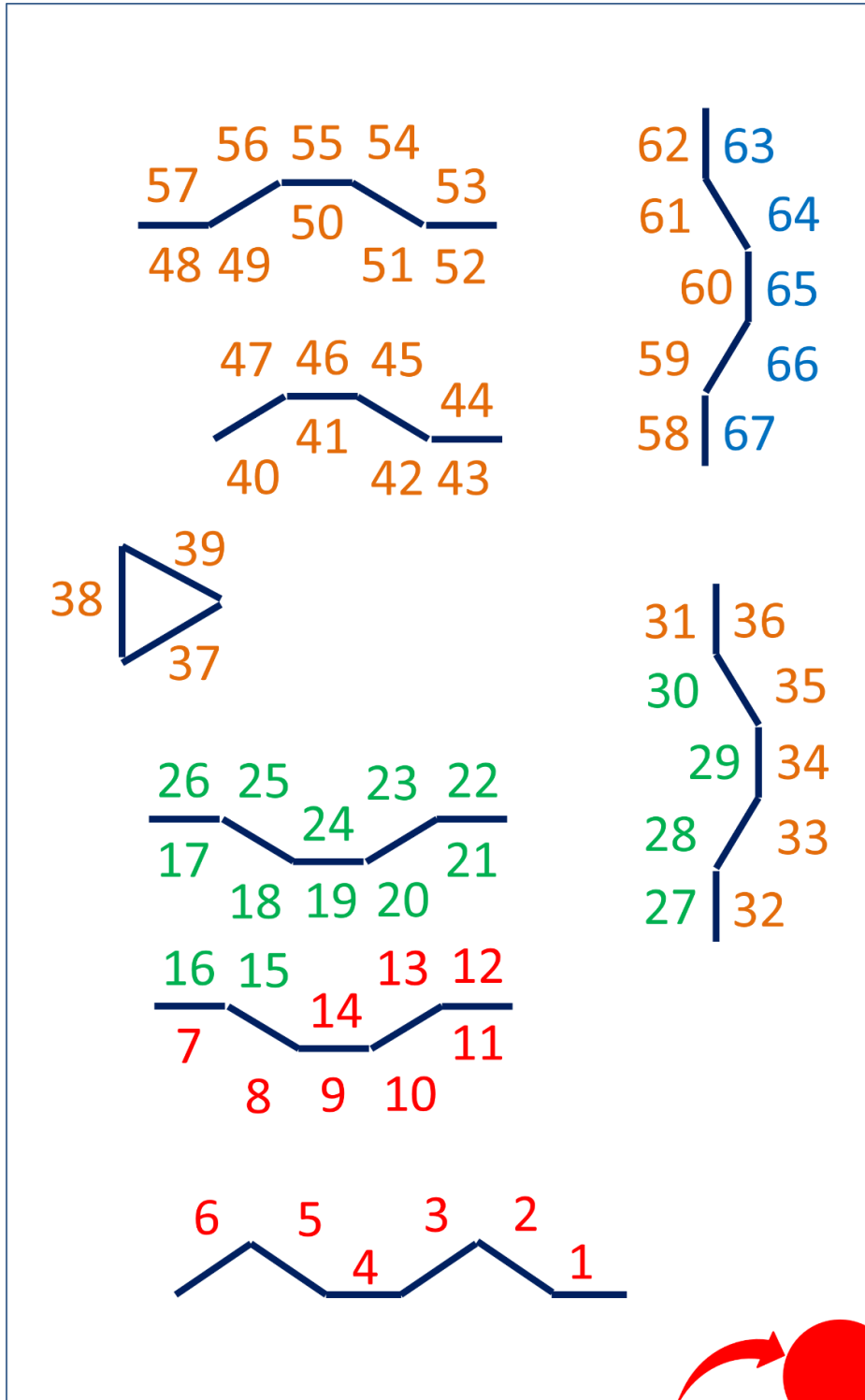
14:45 15:00 **Maite Erauskin-Extramiana, Guillem Chust, Haritz Arrizabalaga, Paula Alvarez, María Santos, Andrés Uriarte, Leire Ibaibarriaga, Unai Cotano, Luis Ferrer, Xabier Iriogien, Anna Cabré**
Assessment of Climate Change Impacts in the Bay of Biscay anchovy

15:00 15:15 **Mathieu Woillez, Mickael Drogou, Ronan Le Goff, Stéphane Martin, François Garren, Loic Le Ru, Didier Le Roy, Karine Heerah, Hélène de Pontual**
Spatio-temporal dynamics of European seabass population: seasonal migrations, site fidelity and population structure inferred from large scale electronic tagging

15:15 15:30 **Nicolas Goñi, Igor Arregi, Axelle Bonnin, Igaratza Fraile, Haritz Arrizabalaga**
Spatial and temporal variability of albacore predation upon small pelagics in the Bay of Biscay

- 15:30 15:45 **Jon Uranga, Haritz Arrizabalaga, Guillermo Boyra, M^aCarmen Hernandez, Nicolas Goñi**
Counting and sizing bluefin tuna schools using medium range sonars of baitboats in the Bay of Biscay
- 15:45 16:00 **Bea Sobradillo, Guillermo Boyra, Pablo Carrera, Marian Peña, Xabier Irigoien**
*Target strength and frequency response of Mueller's pearlside (*Maurolucus muelleri*)*
- 16:00 16:15 **Nathalie Caill-Milly, Muriel Lissardy, Noëlle Bru, Marie-Adèle Dutertre**
*A methodology based on data filtering to identify reference fleets to account for the abundance of fish species: application to the Striped red mullet (*Mullus surmulletus*) of the Bay of Biscay*
- 16:15 16:30 **Miren Altuna Etxabe, Leire Ibaibarriaga, Dorleta Garcia**
Productivity and Susceptibility Analysis (PSA) of the species caught by the Basque demersal fleets in the Bay of Biscay
- 16:30 17:00 **Coffee break/Poster session**
- 17:00 17:30 **Closing conference/Price awards**

Poster plan



You are here

Poster Session

S1 : Physical oceanography, coastal dynamics & geology, erosion, transport and sedimentation

- 1 Beudin Alexis, Ripaud Yann, Sottolichio Aldo**
Intra- and inter-annual variability of fluid mud presence along the Gironde estuary
- 2 Anschutz Pierre, Charbonnier Céline, Mouret Aurelia, Howa Hélène**
Present-day diagenetic transformation of Holocene sediments of the Bay of Biscay
- 3 Pascual Ana, Martinez-Garcia Blanca, Mendicoa Jone**
Benthic foraminifers as a proxy of the range of the Tidal wave in the Oyambre Estuary (Cantabria, Spain)
- 4 Ganthy Florian, Cognat Mathis, Lanson Méline, Rigouin Loic**
Factors controlling sediment dynamics of a recently deposited mud layer over a sheltered sandy beach following a drastic regression of seagrass meadows (Arcachon Bay, France)
- 5 Schmidt Sabine, Deflandre Bruno, Lebleu Pascal, Gillet Hervé, Grémare Antoine**
Is the West Gironde Mud Patch (SW France) still an active depocenter today?
- 6 Sottolichio Aldo, Derriennic Hervé, Ferreira Sophie, Nowaczyk Antoine**
Long-term, low-frequency monitoring of suspended sediment concentration in a turbid macrotidal estuary
- 7 Pinarbasi Kemal, Galparsoro Ibon, Borja Angel, Depellegrin Daniel, Bald Juan**
An Integrated Framework for Offshore Wind Farm Feasibility with respect to Marine Spatial Planning
- 8 Dávila Xabier, Louchart Arnaud, Delarbre Jessica, Gauthier Victor, Ruiz Irene, Manso Ivan, Artigas L.féipe, Lazure Pascal, Caballero Ainhoa, Cabezas-Basurko Oihana, Rubio Anna**
Relation between mesoscale dynamics and phytoplankton/floating marine litter distribution in the South-Eastern Bay of Biscay
- 9 Puillat Ingrid, Lazure Pascal, Artigas Luis Felipe, Rubio Anna, Cabezas-Basurko Oihana, Caballero Ainhoa**
How does the JERICO Research Infrastructure support marine science in the Bay of Biscay?
- 10 Damien Sous, Defontaine Sophie, Morichon Denis, Bhairy Nagib, Lanceleur Laurent, Monperrus Mathilde**
Turbulence measurements in a stratified man-controlled estuary, the Adour case
- 11 Arnoux Florian, Abadie Stéphane, Kojadinovic Ivan**
On the return period of winter 2013-2014 on the Basque coast focusing on flooding damages.
- 12 Asensio Jose Luis, Mader Julien, Rubio Anna, Liria Pedro, Irati Epelde, Del Campo Andrea, Caballero Ainhoa, Ferrer Luis, De Santiago Iñaki, Nogues Mikel, Gonzalez Manuel, Uriarte Adolfo, Aranda Jose Antonio**
The Basque Operational Oceanography System EuskOOS, part of a global effort
- 13 Cognat Mathis, Ganthy Florian, Auby Isabelle, Rigouin Loic, Sottolichio Aldo**
Spatio-temporal analysis of co-evolution between seagrass beds, their decline and hydro-morphological changes in Arcachon Bay (France)
- 14 Ganthy Florian, Rigouin Loic, Cognat Mathis, Auby Isabelle**
Preliminary investigations on the use of HOBO®Pendant light sensors as low-cost turbidimeter: The good, the bad and the ugly

S2 : Biogeochemical cycles & Pollution, Ecotoxicology, Eutrophication

- 15 Garmendia Marina, Gredilla Ainara, Fernández-Ortiz De Vallejuelo Silvia, Arana Gorka, Soto Manu, De Diego Alberto**
Geographical distribution of metallic pollution in sediments of the estuary of the Nerbioi-Ibaizabal estuary (Bilbao, Basque country)
- 16 Veloso Sandrine, Lanceleur Laurent, Tessier Emmanuel, Deborde Jonathan, Miossec Carole, Romero Rama Andrea, Monperrus Mathilde, Duran Robert, Amouroux David**
Seasonal and spatial distribution of micropollutants in surface waters of Adour estuary (Bay of Biscay, SW France)

- 17 Gouriou Laure, Trut Gilles, Oger H  l  ne, Auby Isabelle, Lamouroux M  lina**
Chemical status assessment of the of the coastal and transitional water bodies in the Adour-Garonne district
- 18 Chouvelon Tiphaine, Rozuel Emmanuelle, Bruzac Sandrine, Gonzalez Jean-Louis, Knoery Jo  l, Sireau Teddy, Auby Isabelle, M  teigner Claire, Oger-Jeanneret H  l  ne, Perri  re-Rum  be Myriam, Rigouin Loic, Gonzalez Patrice, Gourves Pierre-Yves, Savoye Nicolas, Akcha Farida**
Copper and other trace metals in sediments, seawater, phytoplankton and oysters from the Arcachon Bay: Results of a one-year field study
- 19 Derrien Pierre-Yves, Lancelleur Laurent, Deborde Jonathan, Miossec Carole, Monperrus Mathilde, Pigot Thierry**
Photodegradation Kinetics of Organic Micropollutants in Water
- 20 Bisch Ama  lle, Huguenin Laura, Miossec Carole, De Casamajor Marie-No  lle, Lalanne Yann, Gorostiaga Jos   Maria, Monperrus Mathilde**
Accumulation of priority and emerging pollutants in benthic macrofauna from the rocky coast of the Bay of Biscay
- 21 Richter Larissa, Amouroux David, Tessier Emmanuel, Fostier Anne, Ter Halle Alexandra, Gigault Julien**
Investigation on Sn and Hg organometallic compounds in plastic debris in Northern Atlantic Ocean: From method development to analysis
- 22 Azaroff Alyssa, Miossec Carole, Tessier Emmanuel, Lancelleur Laurent, Guyoneaud R  my, Monperrus Mathilde**
Priority and emerging micropollutants in sediments of Capbreton Canyon (SW France)
- 23 Briant Nicolas, Knoery Jo  l, Chouvelon Tiphaine, Brach-Papa Christophe, Chiffolleau Jean-Fran  ois, Savoye Nicolas, Sonke Jeroen**
Mercury speciation and isotope compositions (Hg, C and N) in bivalves along the French coastline
- 24 Duval Bastien, De Diego Alberto, Fdez-Ortiz De Vallejuelo Silvia, Gredilla Ainara, Tessier Emmanuel, Amouroux David**
A simple and low cost method for total mercury (Hg) determination in natural water samples
- 25 Romero Rama Andrea, Bueno Ma  t  , Tessier Emmanuel, Lancelleur Laurent, Veloso Sandrine, Amouroux David**
Selenium Speciation in Adour Estuarine Waters (Bay of Biscay)
- 26 Hafez Tamer, Zarragoitia Maren, Duran Robert**
The use of Precision cut liver slices (PCLS) in sole as an in vitro tool to investigate the toxic effects of Oil Water Accommodated Fractions (WAF)
- 27 Renedo Marina, Amouroux David, Duval Bastien, Carravieri Alice, Tessier Emmanuel, Barre Julien, B  rail Sylvain, Pedrero Zoyn  , Cherel Yves, Bustamante Paco**
Seabird blood and feathers as effective biomonitoring tools for mercury marine contamination
- 28 Lamarins Ama  ia, Liu Hengtong, Rives Jacques, Coste Pascale, Monperrus Mathilde, Seiliez Iban, Bolliet Val  rie**
Methylmercury effect on migration propensity and metabolism in European glass eels (Anguilla Anguilla) from South Bay of Biscay, France
- 29 Schler Morgan, Bardonn  t Agn  s, Huchet Emmanuel, Coste Pascale, Monperrus Mathilde, Bolliet Val  rie**
Effect of methylmercury on feeding behaviour and social interactions in glass eels
- 30 Stoichev Teodor, Tessier Emmanuel, Almeida C. Marisa, Basto M. Clara, Vasconcelos Vitor, Amouroux David**
Transport of mercury species in a contaminated lagoon (Ria de Aveiro, Portugal)

S3 : Biodiversity and ecosystem functioning

- 31 Arraud Alison, Foulquier Cl  mence, D'Amico Frank**
Grandidierella japonica along the French Basque Coast: preliminary assessment of local establishment and possible impacts on estuarine systems.
- 32 Bentaleb Ilham, Amouroux David, Speller Camilla, Guglielmo Letterio, Lynda Boukhlif, Sylvain B  rail, Fran  ois Fourel**
Multi-isotopic analysis of baleens from Mediterranean Sea and Atlantic Ocean fin whales: focus on nitrogen and mercury isotopes as biomonitors of dietary, contaminants and movement.
- 33 Castege Iker, Milon Emilie, D'Elb  e Jean, Milpied Jean-Marc, D'Amico Frank**
Climate change impacts on top predators: first evidence of regime shifts in the south of the Bay of Biscay

- 34 Daffe Guillemine, Lavesque Nicolas, Grall Jacques, Zanol Joana, Gouillieux Benoit, Hutchings Pat**
*Molecular confirmation of the presence of *Marphysa sanguinea* (Montagu, 1803) along the Atlantic coasts of France*
- 35 Day Louise, Saulnier Erwan, Brind'amour Anik, Le Bris Hervé**
Can we use trawled benthic invertebrates as a surrogate for estimating benthic production preyed by juvenile fish in nurseries?
- 36 Delaunay Damien, Brind'amour Anik, Foucher Eric, Baudrier Jérôme**
Recent MSFD assessment for the commercial (D3) and fish & cephalopods species (D1): Conclusions for the bay of Biscay
- 37 D'Elbée Jean, Gueux Aurore, Cazes Jean-Baptiste, Lauga Béatrice, Monperrus Mathilde**
Seasonal dynamic of zooplankton abundance and biodiversity in the Southern Bay of Biscay. Micropolit program - Preliminary results (summer 2017- spring 2018).
- 38 Diez Isabel, Bustamante Maria, Quintano Endika, Tajadura Javier, Mugerza Nahiara, Saiz-Salinas Iñaki, Gorostiaga Jose Maria**
Response of subtidal rocky benthic assemblages to pollution mitigation
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