

Tuesday the 18th of October

Biarritz Conference Centre

Time			
9:00 - 10:00	Accueil -Inscription		
10:00 - 11:00	Welcome and opening talks		
11:00 - 12:30	Opening lectures Hervé Le Treut : IPCC Patrick Monfray - ANR Areti Kontogianni - Environnemental Economics		
12:30 - 14:00	Lunch		
14:00 - 14:05	Sessions Opening : Professeur Louis Legendre CNRS-ParisVI		
First Session : Understanding ecosystem functioning and processes			
Subsession 1.1. : Hydrodynamic processes, Extreme Events and climate change			
14:05 - 14:15	Coastal Effects of Major Tsunamis: Case studies of the 12/26/04 Indian Ocean and 3/11/11 Tohoku Tsunamis		Grilli Stephan
14:15 - 14:25	Hydro-biological comparison of two Moroccan coastal ecosystems: the bay of Agadir (Atlantic Ocean) and the maritime area Fnidek-oued Laou (Mediterranean Sea)		Berraho
14:25 - 14:45	Questions and poster presentations	juste présentation posters	
Numerical assesement of pressure peaks during breaking wave impact			Mokrani
Extreme waves generated by debris avalanches in oceanic islands and their consequences on the coasts : study case of La Palma case, Canary Islands.			Abadie, Harris, Grilli, Fabre
Dissipative beach compartment during storm event			Aubry
Navier-Stokes simulation of an intense swash event			Desombre
Long term variability of the hydrology in the southeastern Bay of Biscay			Garcia
Evolution of Mediterranean lagoons submitted to extreme climatic events and human pressure			Castaigns
An observatory for monitoring the coastal dynamics under extreme meteo-marine conditions			Jeanson
Subsession 1.2.: Habitat and sedimentological processes			
14:45 - 14:55	A semi-analytical model for SPOT bathymetric inversion: an historical morphodynamical approach of the Arcachon inlet evolution since 20 years		Capo
14:55 - 15:05	Impact of terrestrial coarse organic matter on coastal waters: case of the Gironde Estuary		Fuentes
15:05 - 15:15	Unravelling long-term trends in seagrass ecosystem functioning: a palaeoecological approach		Mateo
15:15 - 15:25	Sediment transport processes related to the propagation of tidal bores in the Garonne Tidal River		Parisot-Mascaret
15:25 - 15:35	Monitoring water quality of transient waters in a context of environmental changes: lessons from the high-frequency MAGEST monitoring program in the Gironde estuary		Schmidt
15:35 - 15:45	Responses of coastal sedimentary ecosystems of Southern Brittany to extreme meteorological events at different time and space scales		Tiercelin
15:45 - 16:10	Questions and poster presentations	1 slide per poster	
Spatial patterns and sedimentary architecture of two washover deposits revealed by ground penetrating radar on the Moroccan coast			Lavigne
Contribution of grain size trend to sedimentary study of microtidale beach: case of the Tunis gulf (Cape Gammarth-Cape Ferina). Tunisia			Amrouni
Multi scales monitoring of Biarritz beaches morpho-dynamics			Blangy
On the importance of tidal bores on estuarine systems			Bonneton
Sediment accumulation processes in saltmarshes: A comparison between degrading and restored sites in the Blackwater Estuary, Essex, UK			Price
Monitoring and mapping total suspended matter in the Arcachon Bay using the high spatial resolution SPOT sensor			Dru
16:10 - 16:50 Health break			
16:50 - 17:00	Is the sandy littoral able to record past climatic changes and be a good proxy to assess the system response for the next decades?		Certain
17:00 - 17:10	Marine habitats evolution and populations adaptation: a step by step modelling strategy		Le Hir
17:10 - 17:30	Questions and poster presentations	1 slide per poster	
Mud volcanoes and their contribution in metals input in surface sediments: Gulf of Cadiz: Atlantic Moroccan margin			Narjisse
Multidimensional numerical simulation of river flows			Petrau
A comparative clay mineralogical study of trees mud volcanoes of the Gulf of Cadiz			Salima
Mise en évidence d'une période de 2-3 ans dans l'évolution de la plage du Truc-Vert (Gironde)			Parisot_TV
Subsession 1.3 : Ecosystem and Biological processes			
17:30 - 17:40	Effects of coastal seascape diversity on seagrass-associated fish production		Hori (FRA Japan)
17:40 - 17:50	Assessing mangrove biomass changes due to coastal dynamics in French Guiana		Blanchard
17:50 - 18:10	Questions and poster presentations	1 slide per poster	
A Millennium of changes in coastal ecosystems: the case of Biarritz and San Sebastian			Castro
An end-to-end model coupling OSMOSE and a bio-physical model for tracking emergent trophic interactions in a changing environment			Travers-Trolet
Trophic interactions in the St. Lawrence Estuary: Everybody wants krill			Savenkoff
Links between positive temperature anomalies and unprecedented mass mortality events in coastal marine rocky benthic communities in the NW Mediterranean			Crisci
Winter distribution and abundance of jelly zooplankton in the southern North Sea			Antajan
Winter plankton assemblages in the eastern Channel and southern North Sea: composition, abundance and spatial distributions			Delagrane
Spatiotemporal evolution of phytoplankton dynamics in the English Channel: Impacts of anthropization levels			Napoleon
Networks of Marine Protected Areas : what about diadromous fish?			Lasne
Implementation of high frequency innovative approaches to characterize the water quality and the phytoplankton community in the North Sea			Lefebvre
Wednesday the 19th of October			
Iraty Conference Hall			
9:00 - 9:10	Response of plankton communities of the Bay of Calvi (northwestern Mediterranean) to climate variation over the past three decades		Goffart
9:10 - 9:20	Large-scale temporal and geographical patterns of river nutrient inputs and phytoplankton biomass across European watersheds		Romero
9:20 - 9:30	Invasion and climate change: influence of field temperature variations on pelagic larval duration and population connectivity in the invasive gastropod Crepidula fornicata		Viard
9:30 - 9:40	Jellyfishes as a threat to the health of marine ecosystems		Villanueva
9:40 - 9:50	Fisheries-induced evolution of maturation schedule in exploited stocks: empirical and theoretical evidence, expected demographic implications and potential mitigation measures		Ernande
9:50 - 10:00	Intermittent connectivity: Interannual variability in the retention of larval capelin (Mallotus villosus) in the St. Lawrence maritime estuary, Canada		Ouellet
10:00 - 10:10	Application of DEB theory to model the growth of Mytilus edulis and influence of its cultivation on ecosystem functioning		Dabrowski
10:10 - 10:40	Questions and poster presentations	1 slide per poster	
The Dynamic Energy Budget (DEB) model as a tool to study distribution of marine bivalves in the Central Mediterranean (Sicily)			Palmeri
Size-related trophic level in six fish species from the eastern English Channel			Kopp
Winter distribution of fish larvae in the Southern North Sea and Eastern Channel between 2008 and 2011			Loots

Programme of the Symposium 'Vulnerability of coastal ecosystems to global change and extreme events'

	<p>Bio-energetic modelling of mussel growth <i>Mytilus galloprovincialis</i> of Bizerte lagoon (Northern Tunisia) First results of winter and spring phytoplankton composition in a shallow Lagoon (Oualidia, Moroccan Atlantic coast) Looking for chronobiological principles in Pacific oysters to monitor environmental health in coastal seawaters Effects of temperature on growth performances of organisms living in shallow waters How shape affects fish predator- prey interactions : implications for marine food web structure and dynamics Applying molecular markers to address connectivity among Basque estuaries; the cockle (<i>Cerastoderma edule</i>) example On the influence of some factors for growth curves In vitro effects of extracellular products from pathogenic <i>Vibrio</i> on the haemolymph of the Pacific oyster <i>Crassostrea gigas</i></p>		<p>Bejaoui Natij Mat Rinaldi Cachera Albaina et al Bru Luna-Acosta</p>
10:40 - 11:20	Health break		
Second Session : Assessment of System Response			
Subsession 2.1. : Response to recent climatic change			
11:20 - 11:30	Some evidences for long-term climate-driven changes in the Gironde estuary		Chaalali
11:30 - 11:40	The Mediterranean Sea: a hotspot of endemism under threat		BenRaisLasram
11:40 - 11:50	New mathematical procedure to evaluate coastal perturbations		Goberville
11:50 - 12:00	Assessing the response of the Mediterranean marine coastal biota to an extreme climate event: an unprecedented joint research effort		Mateo1
12:00 - 12:10	Predicting species distributions: the impact of exploitation and climate change		Vaz
12:20 - 13:00	Questions and poster presentations	1 slide per poster	
	<p>Habitat and biodiversity loss under sea level rise scenarios in the Basque dunes Fast dynamics of the sea level along the French coast over the last decade Changes in upwelling events off the north-western Iberian coast and their impact on sardine recruitment Significant control of mangrove changes by trade-wind generated waves over the last 60 years in French Guiana Combining bioenergetics and regional climatic models to predict climate change impact on aquaculture T-MedNet: a temperature network for high resolution and long term monitoring of Mediterranean coastal waters stratification ClimCares: a new research project to assess the climate change impacts on NW Mediterranean coastal benthic ecosystems Climate change and vulnerability of the west Mediterranean coast of Morocco The impact of acidification on the emission of organic trace gases from marine ecosystem located in Bergen coastal area, Norway How will the increase in sea temperature affect the larval dispersal and the connectivity of coastal invertebrates?</p>		<p>Chust Dumas Nieblas Walcker Montalto Bensoussan Bensoussan Nachite Yassaa Ayata</p>
13:00 - 14:30	Lunch		
Subsession 2.2: Natural Hazards Erosion			
14:30 - 14:40	Historical changes in the saltmarsh environments of the Tinto-Odiel estuary (southwest Spain)		Fernandez
14:40 - 14:50	Effects of Fringing Reefs and Coastal Forests on Tsunami Inundation		Gelfenbaum
14:50 - 15:00	Salt marshes expansion in the "Baie de Somme" since the 17th century: deciphering natural dynamics from anthropic disturbances		Goffé
15:00 - 15:10	Integrated Flood Risk Analysis for Extreme Storm Surges at Open Coasts and in Estuaries		Oumeraci
15:10 - 15:30	Questions and poster presentations	1 slide per poster	
	<p>Response of benthic mineralization in the coastal zone near the Rhone River after flood events : the importance of organic matter origin Vulnerability assessment of low-lying estuarine habitats to coastal squeeze in the Bay of Txingudi Extreme storm events and coastal inundation management in tropical island environment: a semi-empirical method for hazard assessment on Reunion Island coasts</p>		<p>Rabouille Arnaud DelaTorre</p>
Subsession 2.3: Impact of chemical contaminants - microbiological contamination - Eutrophication and Bioindicators			
15:30 - 15:40	One-year monitoring of metallic and organic contaminant bioaccumulation and biological responses in oyster from Arcachon Bay		Davail
15:40 - 15:50	Heavy Metals in Sediments of Marine and Coastal Environments of Northern Morocco		EIMoumni
15:50 - 16:00	Response of sediment quality and biological communities to water treatment: the case of the Nervion estuary (N. Spain)		Franco
16:00 - 16:30	Questions and poster presentations	1 slide per poster	
	<p>Diversity and resistance of microbial communities impacted by a gradient of copper-concentration in Chilean marine sediments Monitoring toxic chemicals in sediments – a case study of the habitat of the St Lawrence beluga Effects of dispersed crude oil upon physiological parameters and functions of juvenile Golden Mullet <i>Liza Aurata</i> Impact of sediment's heavy metals on shellfish development in the Dakhla bay (southern Morocco) Vulnerability of benthic macrofauna of the Guethary's foreshore (E. Atlantic, France) after the "Prestige" oil spill Changes in demersal communities in response to water treatment and human pressures in the Nervion estuary (N. Spain) Assessment strategy of coastal ecosystem responses to wastewater treatment plant effluents Evaluation of watershed pollutant inputs on microbiological and physicochemical quality of Oualidia lagoon's water</p>	Flash	<p>Besaury Lebeuf Milinkovitch Zidane Castege Uriarte Casas-Stellio Najwa</p>
16:30 - 17:00	Health break		
Subsession 2.3. continued			
17:00 - 17:10	Effects of heavy metals on sediment microbial diversity		Kaci
17:10 - 17:20	Ecological modelling: a powerful tool to investigate eutrophication in the Bay of Seine (Eastern English Channel)		Riou
17:20 - 17:30	Study of the effect of environmental, statistical and biological perturbations on the behavior of bivalves		Durrieu/Ciret
17:30 - 17:40	The French scientific surveys: status information and ecological indicators for populations and communities from estuaries down to continental slopes		Trenkel
17:40 - 18:10	Questions and poster presentations	1 slide per poster	
	<p>Biogeophysical and social vulnerability indicators to current climate in the Gulf of Oran, West of Algeria Competing for space in the Baie de Seine: impact of aggregate extractions on fishing activities Does a localized revegetation improve the conservation status of coastal sand dune ecosystem? Etude des échouages des algues sur les côtes des Doukkala (Maroc) et valorisation durable des algues échouées Influence of the natural environment on the oyster lease productivity: an economic analysis Evolution of an exploited resource (Manila clam in the Arcachon Bay) in response to natural and anthropogenic sources of change</p>		<p>Taleb Marchal Bichot Aboumoudrik, Rihani, Assobhei Lesur-Irichabeau Caill-Milly</p>

ouverture Fête de la Science

Thursday the 20th of October

Third Session : Management Tools and Strategies			
Time			
Subsession 3.1. Climate change and extreme events			
9:00 - 9:10	Development of an operational morphodynamic model to predict the response of coastal zone to extreme events in the region Aquitania Euskadi		DeSantiago
9:10 - 9:20	Modelling the impacts of climate change in coastal and estuarine habitats		Pylarinou
9:20 - 9:30	Flood Risk to Coastal Ecosystems: Methodology and Practical Implementation for an Open Coast		Burzel
9:30 - 9:40	Development of a robust Marine Protected Area impact diagnosis in a context of uncertainty and global change		Gashe
9:40 - 9:50	Persistent Organic Pollutants (POPs) in marine organisms: from measurements to the risk management		Abarnou
9:50 - 10:30	Questions and poster presentations	1 slide per poster	

Programme of the Symposium 'Vulnerability of coastal ecosystems to global change and extreme events'

	Management tools and strategies to prevent the seawater intrusion in volcanic island aquifers Evolution of coastal zone vulnerability to marine inundation in a global change context. Application to Languedoc Roussillon (France) Evaluation of an operational wave model on the Basque coast.	Flash	Bourhane Vinchon Dugor
	Surface radar & gliders: real time data for extreme events		Beguery
	The airborne topo-bathymetric LiDAR: a new tool to understand the consequences of climate change Ecosystem-based management for shellfish aquaculture – Developing tools and diagnostics for a changing environment Advantages and disadvantages of different methodologies for evaluating tributyltin (TBT) pollution and its effects under the EWFD		Aleman Guyonnet Cuevas
10:30 - 11:10	Health break		
	Subsession 3.2. Anthropogenic impact and restauration.		
11:10 - 11:20	Exploratory modelling of the shellfish farming vulnerability of the Thau lagoon face to the microbiologic contamination		Perez
11:20 - 11:30	The chemical monitoring of organic pollutants using passive samplers within the framework of the PORTONOVO project (water quality in harbours of the Atlantic area)		Devier
11:30 - 11:40	Modeling the impacts of freshwater scarcity in the coastal zone: a system dynamic approach		Mongruel
11:40 - 11:50	Capacity assessment of ecosystem restoration in the Mediterranean Sea: hydrodynamics modeling and spatial multi-criteria environmental analysis		Raillard
11:50 - 12:30	Questions and poster presentations	1 slide per poster	
	Mise en place de récifs artificiels sur la côte Aquitaine Intertidal seagrass restoration in the Basque Country (SPAIN): First steps with <i>Zostera Noltii</i> Gestion des aires littorales protégées et conflits de pêche au Gabon : situation du parc national d'Akanda Dynamics of Mangrove forests in Basse-Casamance (Sénégal) and contribution of GIS to hazard prevention and restoration Modelling the effect of waves on a river plume in the bay of Saint de Luz – Ciboure Finite-Element Computation for the Implementation of Oil-Spill Boom (peut-être en oral à la place de Devier ?) Implementing data-model assimilation techniques to the Basque Coast Beaches: preliminary results HFNI Valvometry: a tool based on recording bivalve ethology to monitor environmental health in coastal seawaters		Dufour Garmendia Lembe Bassene Delpey Muttin Birrien Ciret
12:30-14:00	Lunch		
	Subsession 3.3. Ressources and habitat characterization		
14:00 - 14:10	Chemical risk assessment according to the European Regulation: concepts, methodology and Environmental Quality Standards (EQS)		Bocquene
14:10 - 14:20	Operational Modelling in the Tagus Estuary		Neves
14:20 - 14:30	Coastal ecosystem services typology for a wind farm macro-siting tool		Grilli Annette
14:30 - 14:40	Spatio-temporal variability of soft-sediment macrobenthos in the coastal zone: consequences on a monitoring network establishment		Broudin
14:40 - 14:50	Taxonomic sufficiency of epibenthic species in scientific trawling surveys		BrindAmour
14:50 - 15:00	A system dynamics model for the management of the gooseneck barnacle (<i>Pollicipes pollicipes</i>) in the coastal zone of the Basque Country (Northern Spain)		Bald
15:00 - 15:10	PAM fluorometry as a tool to assess primary production at high frequency in coastal ecosystems	Flash	Claquin
15:10 - 15:50	Questions and poster presentations	1 slide per poster	
	Sciences participatives et vulnérabilité des milieux Les conditions sociales et scientifiques pour la mise en place d'un observatoire participatif sur le Bassin d'Arcachon The French Nature and Landscape Information System (SINP): a collaborative tool for biodiversity data, information and knowledge sharing Improving the Operational Oceanographic Scheme in Galicia (NW Spain) Mapping coastal habitats over the Arcachon Lagoon using high-resolution optical and SAR imagery Comparison of benthic megafauna assemblages observed from bottom trawl and under water videos "GlassEel2D": a software to simulate glass eel behavior in estuaries Change points detection in short time series of indicators for monitoring fisheries Operational numerical modelling of bacterial plumes: a tool for bathing zone management	Flash	Bouet David Romain Perez-E Dehouck Wauters Odunlami Bru Jaoun
15:50 - 16:30	Health break		
	Fourth Session : Integrated Coastal and Ocean Management		
	Subsession 4.1. : Management and protection of marine areas and marine resources.		
16:30 - 16:40	A network of Marine Protected Areas, what about connectivity for Fish Species?		Feunteun
16:40 - 16:50	Ecosystem Research Initiative (ERI) in the St. Lawrence Estuary, eastern Canada: Testing an approach for scientific support to ecosystem-based management		Savenkoff et al (MPO Canada)
16:50 - 17:00	Adaptation to climate change: the process of IFRECOR	Flash	Touravane
17:00 - 17:10	Interaction between aquaculture and capture fisheries in Mediterranean coastal lagoons		Farrugio
17:10-17:20	Local Integrated Management Plan for the M'diq Bay (North West of Morocco)		Nachite
17:20-17:30	Building social indicators in fisheries		Frangoudes
17:30 - 18:00	Questions and poster presentations	1 slide per poster	
	French fishing vessel vulnerability in the Channel: a scoring approach		Phelippe
20:00 - 23:00	Gala Dinner : In the Biarritz Sea Museum. Friday the 21st of October		
Time	Subsession 4.2. : management of sediment and risk of erosion		
9:00 - 9:10	Regional Environmental Assessment of Potential Impacts on Benthic Ecology from Cumulative Marine Aggregate Dredging – South Coast, UK.		Backstrom et al
9:10 - 9:20	LANGUEDOC beaches faced with the risk of submersion: defining management policies taking into consideration users' perceptions		Rey-Valette
9:20 - 9:30	The necessity of Coastal Sediment Management Plan (CSMP) elaboration in regions exposed to coastal erosion: a management tool for the current and future sandy coasts		Raynal
9:30 - 9:40	L'extrême vulnérabilité des littoraux sédimentaires insulaires à la crise économique et au changement climatique, le cas des Comores		David Gilbert
9:40 - 10:00	Questions		
10:00 - 10:40	Coffee break		
	Subsession 4.3 : Vulnerability, adaptation and management of coastal areas		
10:40 - 10:50	Can Coastal Europe Insure Against Climate Change: A Review of Experiences on Floods and Shoreline Erosion		Rulleau
10:50 - 11:00	Glances crossed on the coastal vulnerability management: towards a consideration of ecosystem services in the coastal law		Idlialene
11:00 - 11:10	Vulnerability of a mediterranean urban coast Vuligam - Programme Interdisciplinaire de Recherches Ville et Environnement		Lambert
11:10 - 11:20	For optimal integration of local societies in the "adaptive" management of coastal areas to sea level rise: the case of Wallis & Futuna		Bantos
11:20 - 11:50	Questions and poster presentations	1 slide per poster	
	Coastal Zones of Yemen - limited management meets Climate Change Adaptation au changement climatique sur le littoral : des outils pour agir dans l'incertitude en Flash Increasing vulnerability of Indian coasts to climate change: Challenge in integrated coastal zone management		Zajonz Philippe Nair
	Subsession 4.4 : Integrated Management of Coastal Areas		

Programme of the Symposium 'Vulnerability of coastal ecosystems to global change and extreme events'

11:50 - 12:00	Du protocole méditerranéen GIZC à la nouvelle démarche maritime des collectivités territoriales : l'exemple du Var (et /ou forum)	Hénocque
12:00 - 12:10	ICZM challenges in the Arcachon Bay: an interdisciplinary analysis of social and economic strategies in a vulnerable oyster industry	Cazals
12:10 - 12:20	A spatialized approach of socio-economic indicators on a local scale. Experimentation on the ICZM[] case study Bouches du Rhône	Cadiou et al
12:20 - 12:50	Questions and poster presentations	
	<i>Retour d'expérience sur 15 ans de tentative de GIZC à la Réunion</i>	1 slide per poster
	<i>The lagoons of New Caledonia: towards a multidisciplinary research integration for the sustainable management of an exceptional environmental heritage</i>	com FORUM en +
	<i>Socio-economic approaches in support of coastal zone assessment and management: a review of literature</i>	David Gilbert
	Lunch	Loubersac
13:00 - 14:30		LeGentil
14:30 - 16:00	Conclusions : How to define a more systemic approach to coastal management involving scientific and traditional knowledge and know-hows.	Round Table with all the partners involved in the Symposium and the Technical exhibiti