

## Monday, June 6, 2011

17h-19h30	Check in and registration (Bâtiment Orbigny, CO2 room)
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## Tuesday, June 7, 2011

8h00-8h30	Check in and registration (Bâtiment Orbigny, CO2 room)
8h30-9h00	Welcome and Introduction by Christine Dupuy and the organisation committee

Session 1	Biofilm: interactions between microphytobenthos /prokaryotes /viruses/exopolymeric substances
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*Topic: Interaction Bacteria / EPS / Microphytobenthos*

9h00-9h30	Graham Underwood	Exopolymer (EPS) production, carbon flow and algal-bacterial coupling in microphytobenthic biofilms
9h30-9h50	Christine Dupuy	Relationships between microphytobenthos/prokaryotes/exopolymers substances: a coupling approach via <i>in situ</i> and tidal mesocosms
9h50-10h10	Christian Bruckner	Growth and release of extracellular organic compounds by benthic diatoms depend on interactions with bacteria
10h10-10h30	Tanja Moerdijk	LC/IRMS analysis: a powerful technique to trace carbon flows from microphytobenthos to the bacterial community in an intertidal marine sediment
10h30-11h00	BREAK	

*Topic: Biofilm organization and structuring*

11h00-11h20	Matthias Buhmann	A novel incubator for the cultivation of defined photoautotrophic/heterotrophic biofilm communities
11h20-11h40	Bart Vanellander	Chemical warfare between microalgae: Daily Bursts of Biogenic Cyanogen Bromide (BrCN) Control Biofilm Formation around a Marine Benthic Diatom
11h40-12h00	Guillaume Pierre	Determination of physico-chemical surface properties of the microalgae <i>Navicula jeffreyi</i> : a way to understand the formation of benthic biofilms

*Topic: Biofilm function in biogeochemical cycle, modelling*

12h00-12h20	Cédric Hubas	Intertidal purple biofilms: diversity and functionality
12h20-12h40	Julien Chalumeau	Water Line Movement on Tidal Mudflat: Modeling and Observations from Satellite Imagery
12h40-13h00	Katell Guizien	Modelling for coupled microphytobenthic-EPS-bacterial functioning at low tide: tidal and seasonal dynamics
13h00-15h00	LUNCH (Cafétéria des Sciences)	

*Topic: Regulation of biofilm photosynthetic productivity*

15h00-15h30	Joao Serodio	Photoprotection and photoinhibition in microphytobenthos
15h30-15h50	Sébastien Lefebvre	Unravelling short-term spatio-temporal patterns in microphytobenthos photosynthetic activity using field fortnight surveys at two seasons
15h50-16h10	Johann Lavaud	A child of VasiRéMi: RePPIM_The Regulation of Primary Productivity in coastal Intertidal Mudflats: from the photosystem to the ecosystem
16h10-16h40	BREAK	
16h40-18h00	Round table session 1	
18h30	Cocktail (Batiment Orbigny, CO2 room)	

## Wednesday, June 8, 2011

Session 2	Benthos-pelagos coupling: exportation and fate of biofilm	
9h00-9h30	David Paterson	Benthos-pelagos coupling: grazer interactions and the export and fate of biofilm assemblages
<i>Topic: Biological processes affecting benthic-pelagic transfers</i>		
9h30-9h50	François Orvain	Dynamic behavior of microphytobenthos, EPS secretion and consequences for sediment and chl <i>a</i> resuspension in Marennes Oléron Bay (France)
9h50-10h10	Clarisse Mallet	Resuspension of sediment prokaryotic communities during physical erosion process: an experimental approach
10h10-10h30	François Orvain	Microheterogeneity of bioturbation effects by 2 mollusks, <i>Hydrobia ulvae</i> and <i>Scrobicularia plana</i> , on the microphytobenthos activity and erosion processes
10h30-11h00	BREAK	
<i>Topic: Benthic-pelagic transfer significance in the field</i>		
11h00-11h20	Katell Guizien	Evidencing spatial variability in water column microorganisms origin and fate during a rising tide combining Lagrangian and Eulerian surveys (Brouage mudflat - French Atlantic coast)
11h20-11h40	Aude Leynaert	Twelve-hour variations of silicic acid fluxes in intertidal sediment : Comparison to microphytobenthos silicic acid uptake
11h40-12h00	Martin Umbertini	Spatial dynamic of the benthos-pelagos coupling in an estuary ecosystem: Fallout for microalgae community composition
<i>Topic: Fate of resuspended biofilm organisms</i>		
12h00-12h20	Pascaline Ory	Benthos-pelagos coupling influences the planktonic microbial food web during a tidal phase on Brouage mudflat (France)
12h20-12h40	Hans Hartmann	Does benthic biofilm erosion inhibit mesozooplankton grazing activity ?
12h40-14h30	LUNCH (Cafétéria des Sciences)	
Session 3	Biofilm as an intertidal food web resource: properties of intertidal ecosystems	
<i>Topic: Interactions between biofilm and higher trophic levels</i>		
14h30-15h00	Carl Van Colen	Unraveling the role of multilevel interactions in intertidal biofilm spatio-temporal dynamics
15h00-15h20	Gilles Radenac	Seasonal structure and food resources of the macrobenthic invertebrate community of the tidal mudflat of Brouage-Montportail (Marennes-Oléron Bay, France)

15h20-15h40	Sophie Dubois	Relative importance of microphytobenthos as a trophic resource for macrozoobenthos in the largest seagrass meadow of Europe: the Arcachon Lagoon
15h40-16h00	Serena Como	Consumer-resource interaction: grazing fish and microbial production in intertidal mudflats
16h00-16h20	Pierrick Bocher	Feeding ecology of the common Shelduck <i>Tadorna tadorna</i> wintering in soft sediment estuarine bay and contribution of the biofilm to their diet
16h20-16h50	BREAK	
16h50-18h00	Round table session 2	

20h00	Gala Diner : restaurant Chez André (5 Rue Saint jean du Pérot, La Rochelle)	
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Thursday, June 9, 2011

Session 3 (continued)	Biofilm as an intertidal food web resource: properties of intertidal ecosystems	
	<i>Topic: Role of abiotic and biotic factors on benthic assemblages</i>	
9h00-9h20	Pierre-Yves Pascal	Chronic fertilizer influence on mudflat food web in a New England (USA) estuary
9h20-9h40	Myriam Barbeau	Effect of nutrient addition and consumer manipulation on diatoms and deposit-feeding amphipods ( <i>Corophium volutator</i> ) in the Bay of Fundy, Canada
9h40-10h00	Magali Lucia	Mercury impregnation and trophic level determination of Marennes-Oléron Bay waders' community
10h-10h20	Arjun Chennu	Mapping the in situ distribution of microphytobenthos in coastal sediments
10h20-10h40	Claire Passarelli	The worm and the diatom: cooperative ecosystem engineers
10h40-11h10	BREAK	
	<i>Topic: Properties of ecosystems: towards functions/services for human activities</i>	
11h10-11h30	Blanche Saint-Béat	The Brouage mudflat food-web functioning in winter: implication for birds.
11h30-11h50	Nathalie Niquil	Comparison of Ecological Network Analysis properties of a Zostera bed and adjacent bare mudflat, in 3 situations (eutrophication, mitigation measures and an extreme flood event) in the Mondego Estuary: implications for management.
11h50-12h20	Virginie Duvat-Magnan	The value of transdisciplinary research for the sustainable management of tidal flats
12h20-13h30	Round table session 3	
13h30	LUNCH (Cafétéria des Sciences)	

15h30	Visit of the aquarium (Quai Louis Prunier, La Rochelle)
18h30	Cocktail : Oysters and Pineau des Charentes degustation (Bâtiment Orbigny)
20h00	Guided walking tour in La Rochelle by night