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10:00 - 10:15		Introduction to the Boum cruise project  <i>Thierry Moutin, Laboratoire d'Océanographie et de Biogéochimie, Marseille</i>
10:15 - 10:30		Overview of the SESAME European project  <i>Gaby Gorsky, Laboratoire d'Océanographie de Villefranche</i>
10:30 - 10:45		Nutrients fluxes by hydrological process  <i>Louis Prieur and Marlon Lewis, Laboratoire d'Océanographie de Villefranche and Dahnslousie University (USA), presented by Marlon Lewis</i>
10:45 - 11:00		Characterization of turbulence and mixing from high frequency measurements using microstructure profilers and drifting moorings  <i>Yannis Cuypers and Pascale Bouruet-Aubertot, LOCEAN/IPSL/UPMC Paris</i>
11:00 - 11:15		Gliders equipped with physical and biogeochemical sensors as ancillary for the 4D-mapping of the surrounding waters of a research vessel  <i>Pierre Testor and Laurent Mortier, ENSTA/LOCEAN/CNRS, Paris</i>
11:15 - 11:30		Biogeochemical process from optical measurements (diel variations of submicrometer and mostly non-living particles)  <i>Hubert Loisel, Université du Littoral Côte d'Opale (Wimereux)</i>
11:30 - 11:45		Biogeochemical process from optical measurements (Decoupling of electron flow in phytoplankton thylakoid membranes and photosynthetic carbon fixation)  <i>Michael Behrenfeld, Oregon State University (USA), presented by Hubert Loisel</i>
11:45 - 12:30		Workshop : Succession of operations at Sea and drifting moorings  <i>Thierry Moutin and Dominique Lefèvre</i>

12:30 - 14:00	-	Lunch
14:00 - 14:15		Diversity of bacterial communities and ecology of key species  <i>Philippe Lebaron, Nyree West, Philippe Catala, Laboratoire d'Océanographie Biologique de Banyuls</i>
14:15 - 14:30		Dominance of diazotrophs picocyanobacteria in marine waters along nutrient gradients  <i>Isabelle Biegala, Morgane Le Moal, Institut de Recherche et de Développement, Marseille</i>
14:30 - 14:45		Abundance and diversity of marine aerobic anoxygenic phototrophic bacteria  <i>Christian Jeanthon, Station biologique de Roscoff</i>
14:45 - 15:00		Functional diversity of marine cyanobacteria
	<b>Garzarek : pages : 1 to 10</b>	<i>Laurence Garzarek, Station biologique de Roscoff</i>
		
	<b>Garzarek : pages 11 to 21</b>	
		
	<b>Colomban_Simon_Guillou : pages : 1 to 6</b>	- Marine planktonic parasites belonging to the aveolate phylum : how many host still unknown ?  <i>Laure Guillou, Station biologique de Roscoff presented by Colomban De Vargas</i>
- 15:00 - 15:10		
- 15:10 - 15:20	<b>Colomban_Simon_Guillou : pages : 7 to 10</b>	- Distribution of photosynthetic picoeukaryotes main taxa along trophic gradients
		
	<b>Colomban_Simon_Guillou : pages : 11 to 26</b>	<i>Nathalie Simon, Station biologique de Roscoff, presented by Colomban de Vargas</i>
15:20 - 16:00		Discussion in small groups (and coffee break)
		
16:00 - 16:30	<b>Bjorkman : pages : 1 to 25</b>	Phosphorus in the oligotrophic NPSG - Present and past phosphorus projects at Station ALOHA
		
	<b>Bjorkman : pages : 26 to 50</b>	<i>Karin Bjorkman and David M. Karl, Department of Oceanography, University of Hawaii, USA</i>

Phosphate availability and the ultimate control of new nitrogen input by nitrogen fixation in the oligotrophic ocean

16:30 -  
16h45



**Thierry Moutin, Romain Mauriac, Agathe Talarmin, Peggy Rimmelin, Véronique Barthaux.** *Laboratoire d'Océanographie et de Biogéochimie, Marseille*

Rapid P transfer mechanisms through the microbial food web to copepods in Pstarved Mediterranean : What was found in the CYCLOPS project, What will be challenged in the BOUM project

16:45 -  
17:00



**Tsuneo Tanaka,** *Laboratoire d'Océanographie et de Biogéochimie, Marseille*

Biogeochemical fate of phosphate incorporation

17:00 -  
17:15



**Benjamin Van Mooy,** *Woodshole Oceanographic Institution, USA, presented by Thierry Moutin.*

Diatoms and silicic acid availability in oligotrophic environments

17:15 -  
17:30



**Karine Leblanc, Véronique Barthaux and Bernard Quéguiner,** *Laboratoire d'Océanographie et de Biogéochimie, Marseille*



**Colomban\_Simon\_Guillou :**  
pages : 1 to 6

Pelagic calcification : biodiversity, quantification, and ecological strategy in depth

17:30 -  
17h45



**Colomban\_Simon\_Guillou :**  
pages : 7 to 10

**Colomban de Vargas,** *Station biologique de Roscoff*



**Colomban\_Simon\_Guillou :**  
pages : 11 to 26

Origin and quantification of inorganic and organic nitrogen inputs in the oligotrophic Mediterranean Sea, (nitrogen fixation, atmospheric deposition, recycling and origin of the particulate nitrogen)

17:45 -  
18:00



**Patrick Raimbault,** *Laboratoire d'Océanographie et de Biogéochimie, Marseille*

## Friday, the 19 st October 2007

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	pdf file	Title
09:00 - 09:15		Significance and mechanisms of photosynthetic DOC production by phytoplankton <b>Emilio Marañon</b> , <i>Universidad de Vigo, Spain</i>
09:15 - 09:30		Metabolic balance of oligotrophic oceanic areas, biological O2 fluxes : in vitro vs in situ. <b>Dominique Lefèvre</b> , <i>Laboratoire de Microbiologie, de Géochimie et d'Ecologie Marine, Marseille</i>
09:30 - 09:45		Adaptations of heterotrophic prokaryotes to nutrient limitation. <b>France Van Wambeke, Agathe Talarmin, Philippe Lebaron</b> <i>Laboratoire de Microbiologie, de Géochimie et d'Ecologie Marine, Marseille, Laboratoire d'Océanographie Biologique de Banyuls</i>
09:45 - 10:00		What is the role of heterotrophic protists in linking the microbial and classic food web ? <b>Urania Christaki</b> , <i>Université du Littoral Côte d'Opale (Wimereux)</i>
10:00 - 10:45	-	Discussion in small groups (and coffee break)
10:45 - 11:15		Analysing cellular stoichiometry and modeling the plankton food web in the ocean biogeochemistry <b>Tron Frederik Thingstad, Svein Norland and Mikal Heldahl</b> , <i>Bergen University, Norway</i>
11:15 - 11:30		Starting point for the coupled physical-biogeochemical modelling of the oligotrophic Mediterranean Sea <b>Mélika Baklouti, Romain Mauriac, Julien Touboul and Frederic Diaz</b> , <i>Laboratoire d'Océanographie et de Biogéochimie, Marseille</i>
11:30 - 11:45	..	Mesozooplankton community structure and role in the pelagic ecosystem for various oligotrophic regions <b>François Carlotti, Delphine Thibault-botha, Antoine Nowaczyk</b> , <i>Laboratoire d'Océanographie et de Biogéochimie, Marseille</i>
11:45 - 12:00		UVP, Underwater Vision Profiler, LPM size distribution & MacroZooplankton related to hydrodynamics <b>Marc Picheral, Lars Stemmann, Lionel Guidi &amp; Gaby Gorsky</b> . <i>Laboratoire d'Océanographie de Villefranche</i>
12:00 - 12:30		Workshop : variable, responsible and method, database and web site <b>Marie Paule Torre</b>

- 12:30 - Lunch  
14:00 -
- 14:00 - Workshop : logistics  
15:00 -  **France Van Wambeke and Claudie Marec** (*material, transport, R/V description, berth, national material request INSU*)
- 15:00 - Measurements of the carbonate system properties for the BOUM campaign : scientific objectives and sampling constraints.  
15:15 -  **Franck Touratier and Catherine Goyet**, *Université de Perpignan*
- 15:15 - Iron cycle in the Mediterranean Sea : what can we learn from the BOUM cruise ?  
15:30 -  **Cécile Guieu**, *Laboratoire d'Océanographie de Villefranche*
- 15:30 - Factors controlling nitrogen fixation in Mediterranean Sea  
15:45 -  **Céline Ridame**, *LOCEAN-IPSL Paris*
- 15:45 - Primary productivity in the Mediterranean : measurements within the BOUM cruise.  
16:00 -  **Anna Lagaria and Stella Psarra**, *Hellenic Center for Marine Research, Grèce*
- 16:00 - Role of dissolved organic phosphorus (DOP) in P cycling and cell nutrition under different limitation conditions  
16:15 -  **Jiri Nedoma**, *HIASCR, Czee Republik*, *talk presented by France Van Wambeke*
- 16:15 - Sampling and analysis of phytoplankton pigments  
16:30 -  **Joséphine RAS & Hervé Claustre**, *Laboratoire d'Océanographie de Villefranche*