



MOBYDICK

Marine Ecosystem Biodiversity and Dynamics of Carbon around Kerguelen: an integrated view

Post-cruise MEETING – Paris, 14–15 May 2019

Venue: Muséum National d'Histoire Naturelle
Bibliothèque de biophysique
43, rue Cuvier (1st Floor)
75005 Paris

Provisional Agenda

Tuesday 14 May 2019

10:00 - 10:10	Introduction	WP1 : General objectives of the MOBYDICK Project	B. Quéguiner
10:10 - 10:20		WP2 : Chronology of the cruise and station selection criteria	I. Obernosterer
10:20 - 10:35	WP3 session	Seasonal context and water mass regimes at the MOBYDICK stations	S. Blain
10:35 - 10:45		Discussion	
10:45 - 11:00		Vertical dynamics of particulate organic carbon as deduced from ²³⁴ Th and stable isotopic composition of organic C and N distributions	F. Planchon
11:00 - 11:10		Discussion	
11:10 - 11:20		Particle distribution and C export estimates by UVP	L. Guidi
11:20 - 11:30		Discussion	
11:30 - 11:40		Size spectrum distributions related to physical features	C. Shan
11:40 - 11:50		Understanding biological processes from variations in the vertical distributions of size spectra	Y. Zhu
11:50 - 12:00		Discussion	
12:00 - 13:00		Lunch break (buffet)	
13:00 - 13:15	WP3 session (cont'd)	Poly-unsaturated fatty acids composition of suspended particulate organic matter: a comparative study in the Kerguelen region	M. Remize
13:15 - 13:25		Discussion	
13:25 - 13:45		GENERAL DISCUSSION	
13:45 - 13:55	WP4 session	Microbial carbon cycling during late summer in the Kerguelen area (Southern Ocean), comparison with spring and early summer dynamics	U. Christaki
13:55 - 14:05		Discussion	
14:05 - 14:15		Diversity and biomass of the microplankton during MOBYDICK, comparisons with KEOPS data	I. Skouroliakou
14:15 - 14:25		Discussion	
14:25 - 14:35		Pico- and nanoplankton: Importance throughout the bloom, diversity and carbon uptake during late summer	S. Irlon
14:35 - 14:45		Discussion	
14:45 - 14:55		Microbial diversity and activity in contrasted ecosystems in the Southern Ocean (Kerguelen region)	E. Hernandez
14:55 - 15:05		Discussion	
15:05 - 15:20		First in depth analysis of metagenome assembled genomes and their functional profiles from surface waters around Kerguelen Island	P. Debeljak
15:20 - 15:30		Discussion	
15:30 - 15:50	GENERAL DISCUSSION		
15:50 - 16:20	Coffee break		



16:20 - 16:35		Siliceous and calcifying microplankton community structure	J. Legras
16:35 - 16:45		Discussion	
16:45 - 17:00		Surface diatom community structure, biomass and physiology	A. Lafond
17:00 - 17:10		Discussion	
17:10 - 17:25	WP5 session	Particulate sinking flux as observed from bottle net sampling	K. Leblanc
17:25 - 17:35		Discussion	
17:35 - 17:50		Microplankton and parasitic marine alveolate communities during late phytoplankton blooms in the Kerguelen area (Southern Ocean)	I. Sassenhagen
17:50 - 18:00		Discussion	
18:00 - 18:30		GENERAL DISCUSSION	
18:30 - 18:45		Report on MOBYDICK project implementation (Scientific meetings 2019, Plans for 2020: OSM San Diego), JMS Special Issue, ANR Intermediate Report	B. Quéguiner I. Obernosterer

20:15 **Evening Dinner (at everyone's expense) - Restaurant Pizza Roma d'Amore Mio, 13 Rue Linné, 75005 Paris**

Wednesday 15 May 2019

09:00 - 09:15		Zooplankton diversity and grazing pressure on natural prey assemblages	A. Delegrange
09:15 - 09:25		Discussion	
09:25 - 09:40		Distribution, abundance and population demographics of <i>Salpa thompsoni</i> on the Kerguelen Plateau	E. Pakhomov
09:40 - 09:50		Discussion	
09:50 - 10:00		Vertical distribution, migration and discrimination of micronekton through acoustic data	A. Berne
10:00 - 10:10		Diversity of micronekton and macrozooplankton and their diurnal cycle	C. Cotté
10:10 - 10:20	WP6 session	Discussion	
10:20 - 10:35		Trophic pathways and transfer efficiency from phytoplankton to micronekton under contrasting productivity regimes in the Kerguelen Islands region, Southern Ocean	B. Hunt
10:35 - 10:45		Discussion	
10:45 - 10:55		Bird and marine mammal density as an index of predation by top predators	C. Péron
10:55 - 11:05		Inventory of benthic and demersal fauna on Kerguelen shelf (in the M2 area) during Poker 4 cruise, September 2017	C. Péron
11:05 - 11:15		Discussion	
11:15 - 11:45		GENERAL DISCUSSION	
11:45 - 12:15	SYNTHESIS	Modelling and data integration, relationship with observing programs	B. Quéguiner I. Obernosterer

