



CARBOCHANGE

2012 Annual Meeting EU FP7 large-scale integrating project CARBOCHANGE
“Changes in carbon uptake and emissions by oceans in a changing climate”

NUI Galway, 07. – 09.March 2012

Start of programme: Wednesday March 7, 08:30

End of programme: Friday March 9, 13:00

Wednesday	March 7	
08:30-09:00	REGISTRATION	Cindy Blundell
	SESSION 1: Welcome	Chair: C. Heinze
09:00-09:05	Short welcome on behalf of the consortium	Christoph Heinze
09:05-09:20	Welcome NUIG	Colin Brown, director of the Ryan Institute
09:20-09:35	CARBOCHANGE – status and perspective	C. Heinze
	SESSION 2 : Core theme overview	
09:35-09:50	Core theme 1: major items and next steps <i>Key processes and feedbacks, future scenarios, and vulnerabilities</i>	N. Gruber, M. Gehlen
09:50-10:05	Core theme 2: major items and next steps <i>Observing system of ocean carbon changes</i>	A. Rios, A. Watson
10:05-10:20	Core theme 3: major items and next steps <i>Data model integration</i>	F. Joos, N. Metzl
10:20-10:50	Coffee break	
	SESSION 3 : WP overview	Chair: Dorothee Bakker
10:50-11:20	<i>WP1 - Biochemical processes and feedbacks</i> <ul style="list-style-type: none"> • Observed and simulated multi-decadal oxygen changes - new challenges for model calibration? (15min) • Impact of temperature dependent remineralisation on the global carbon cycle (15min) 	A. Oschlies J. Segschneider
11:20- 11:50	<i>WP2 - Physical processes and feedbacks</i> <ul style="list-style-type: none"> • Seasonal and mesoscale variability of DIC in the Southern Ocean inferred from CARIOCA fCO₂ (15 min) • On eddy compensation of enhanced sea-to-air 	L. Resplandy

	CO2 fluxes during positive phases of the SAM (15 min)	C. Dufour
11:50-14:00	Lunch break + poster session	
		Chair: Fortunat Joos
14:00-14:30	WP3 - <i>Future scenarios under different emission curves and vulnerability analysis</i> <ul style="list-style-type: none"> • Introduction to WP3 • Focus on the North Atlantic sink evolution 	L. Bopp P. Halloran
14:30-15:00	WP4 - <i>Surface observing systems</i> <ul style="list-style-type: none"> • Surface observing systems: overview and recent achievements 	O. Legge, U. Schuster, J. Boutin, B. Ward
15:00-15:30	WP5 - <i>Deep ocean, time series, choke points</i> <ul style="list-style-type: none"> • Overview • A carbon budget for the Nordic Seas • Is the Cant storage in the North Atlantic decreasing? 	M. Hoppema, A. Rios E. Jeansson R. Steinfeldt
15:30-16:00	Coffee break	
16:00-16:30	WP6 - <i>Systematic model calibration using observational data</i> <ul style="list-style-type: none"> • Data assimilation in the Bern3D model (20 min) • Status of technical implementation of WP6 systems. (10 min) 	F. Joos, M. Gerber L. Bertino, M. Scholze
16:30-17:30	Panel meetings / PhD Meeting / open time for networking and interactivities	
18:00-19:00	Ice breaker reception	

Thursday	March 8	Chair: Leif Anderson
09:00-9:30	Scientific key note: Exchange processes on the aqueous and atmospheric sides of the air-sea interface	B. Ward
09:30-10:00	<i>WP7 - Data-model and model-model comparison</i> <ul style="list-style-type: none"> Variability of the Ocean Carbon Cycle in Response to the North Atlantic Oscillation (12 min) An assessment of the drivers of regional oceanic pCO₂ seasonality in Earth System Models (12 min) Questions (5 min) 	K. Keller T. Roy
10:00-10:30	WP9 – Data management <ul style="list-style-type: none"> Update on operational data management (10 min) Model output archive and tools (10 min) Ocean Data View: New features and efficient use of large data collections (5 min) 	B. Pfeil J. Orr R. Schlitzer
10:30-10:45	Coffee break	
		Chair:
10:45-11:15	Discussion data management, data sharing	Discussion lead: C. Heinze + D. Bakker
11:15-11:30	<i>Overarching activity: Major items and next steps</i>	C. Le Quéré
11:30-12:00	<i>WP8 - Global synthesis and outreach to policy makers</i> <ul style="list-style-type: none"> Combining satellite and water column data for carbon export estimation (10 min) GLODAPv2 - Interior ocean carbon synthesis (10 min) SOCAT 	R. Schlitzer A. Olsen D. Bakker
12:00-13:00	Lunch	
	SESSION 4: break out groups and meetings	
13:00-16:30	Break-out groups on WP work planning (coffee break in between)	
16:30-17:15	Meeting with International Advisory Board	
17:15-18:00	SSC meeting	
19:00	Dinner in town	

Friday	March 9	Chair: C. Heinze
09:00-9:30	Scientific key note: The turbulent ocean - on the role of eddies for ocean biogeochemistry	N. Gruber
	SESSION 5: Management and reports	
9:30-10:10	Reporting and management issues	F. Hoffmann, H. Høiland
10:10-10:30	Messages from the panels	
10:30-11:00	Coffee break	
11:00-12:00	Report break-out groups	
12:00-13:00	Member General Assembly: Final discussion on open issues, next meeting	
13:00-14:00	Lunch	