

**Agenda for kick-off meeting of EU FP7 large-scale integrating project**  
**CARBOCHANGE**


**“Changes in carbon uptake and emissions  
by oceans in a changing climate”**

Neptun Hotel, Valkendorfgaten 8, 5012 Bergen, Norway

March 8-10, 2011

Start of programme: Tuesday March 8, 09:00am

End of programme: Thursday March 10, 13:00 (then lunch until 14:00)

<b>Tuesday March 8</b>		<b>Responsibility</b>
<b>08:30-09:00</b>	<b>REGISTRATION</b>	
	<b>SESSION 1</b>	<b>Chair: Christoph Heinze</b>
09:00-09:05	Short welcome on behalf of the consortium	Christoph Heinze
09:05-09:17	Welcome UiB	Astri Andresen, UiB/deputy director
09:17-09:29	Welcome GFI	Peter Haugan
09:29-09:40	Welcome BCCR	Eystein Jansen
09:40-10:10	Introduction to Consortium, 1 person per partner presents partner and role in project (no ppt)	1 min. per partner
10:10-10:30	CARBOCHANGE – goals and impacts	Christoph Heinze
<b>10:30-11:00</b>	<b>Coffee break</b>	
	<b>SESSION 2</b>	<b>Chair: Truls Johannessen</b>
11:00-11:20	Core theme 1 overview and challenges, approach, expected result <i>Key processes and feedbacks, future scenarios, and vulnerabilities</i>	Nicolas Gruber
11:20-11:40	Core theme 2 overview: challenge, approach, expected result <i>Observing system of ocean carbon changes</i>	Andrew Watson
11:40-12:00	Core theme 3 overview: challenge, approach, expected result <i>Data model integration</i>	Fortunat Joos
	<i>Scientific presentations on WP contributions 12:00-17:30</i>	
	<i>WP1 - Biochemical processes and feedbacks 12:00-12:30</i>	
12:00-12:15	Sensitivity of oceanic CO <sub>2</sub> and air-sea CO <sub>2</sub> fluxes to changes in vertical carbon flux through changes in plankton community structure	Christoph Völker
12:15-12:30	Role of organic and inorganic export of carbon from continental margins to the Atlantic Ocean	Nicolas Gruber
<b>12:30-14:00</b>	<b>Lunch break at Neptun Hotel</b>	
	<b>SESSION 3</b>	<b>Chair: Toste Tanhua</b>
	<i>WP2 - Physical processes and feedbacks 14:00- 14:30</i>	
14:00-14:15	High frequency variability observed on CARIOCA	Jacqueline Boutin

	measurements in the Southern Ocean	
14:15-14:30	Respective influences of circulation and biogeochemical parameters on simulated nutrient and oxygen fields	Iris Kriest
	<i>WP3 - Future scenarios under different emission curves and vulnerability analysis 14:30-15:00</i>	
14:30-14:40	Anthropogenic carbon dynamics in the changing ocean	Jerry Tjiputra et al.
14:40-14:50	Impact of climate change on air-sea carbon fluxes : analysis in a water-mass framework	Roland Seferian et al.
14:50-15:00	Preliminary results from heavy-mitigation CMIP5 run	Ian Totterdell et al.
	<i>WP4 - Surface observing system 15:00-16:15</i>	
15:00-15:15	Direct measurements of CO <sub>2</sub> flux in the Greenland Sea.	Siv Lauvset et al.
15:15-15:30	Interesting finding from the UK DEFRA pH project - Redfield rules?	David Hydes et al.
<b>15:30-16:00</b>	<b>Coffee break</b>	
	<b>SESSION 4</b>	<b>Chair:</b> <b>Dorothee Bakker</b>
16:00-16:15	Estimation of biological net community production (NCP) of carbon and oxygen based on high frequency measurements of pCO <sub>2</sub> and O <sub>2</sub> on a Pirata mooring in the tropical Atlantic.	Nathalie Lefevre and <u>Liliane Merlivat</u>
	<i>WP5 - Deep ocean, time series, choke points 16:15-17:00</i>	
16:15-16:30	Variability of C <sub>ant</sub> storage	Toste Tanhua
16:30-16:45	Carbon time series stations in Europe	Magdalena Santana-Casiano
16:45-17:00	Deep sections and Southern Ocean	Mario Hoppema
	<i>WP6 - Systematic model calibration using observational data 17:00-17:30</i>	
17:00-17:08	Systematic model calibration using sequential methods (incl. contribution from Uni. Bern)	Laurent Bertino
17:08-17:20	Systematic model calibration using variational methods	Marko Scholze
17:20-17:30	Discussion - 10 minutes	
<b>18:00-19:00</b>	<b>Ice breaker reception at Neptun Hotel</b>	
<i>After 19:00</i>	<i>Dinner on individual basis in the city centre</i>	
<b>Wednesday March 9</b>		
	<b>SESSION 5</b>	<b>Chair:</b> to be confirmed
	<i>Scientific presentations on WP contributions and overarching activity 09:00-11:30</i>	
	<i>WP7 - Data-model and model-model comparison 09:00-09:30</i>	
09:00-09:10	Ongoing multimodel-data comparison in the EPOCA project	James Orr

09:10-09:20	Key large-scale biogeochemical data sets for future data-model comparison	Toste Tanhua
09:20-09:30	Quick synthesis of relevant international comparison projects (MAREMIP, RECCAP, CMIP5/IPCC-AR5)	Laurent Bopp
09:30-10:00	Overarching activity: Expected contribution to international syntheses on the C budget	Corinne Le Quéré
	<i>WP8 - Global synthesis and outreach to policy makers 10:00-10:30</i>	
10:00-10:10	Assimilation of carbon data - separating CO <sub>2</sub> gas exchange from biological production	Reiner Schlitzer
10:10-10:20	pCO <sub>2</sub> variability in space and time	Steve Jones
10:20-10:30	Update on SOCAT	Dorothee Bakker
<b>10:30-11:00</b>	<b>Coffee break</b>	
11:00-11:30	WP9 – <i>Data management</i> , data sharing, data policy, presentation and discussion	Benjamin Pfeil and plenary
<i>11:00-12:30</i>	<i>WP break out groups, concrete task preparation</i>	
<b>12:30-14:00</b>	<b>Lunch break at Neptun Hotel</b>	
<i>14:00-15:30</i>	<i>WP break out groups, concrete task preparation</i>	
<b>15:30-16:00</b>	<b>Coffee break</b>	
16:00-16:30	Discussion on plenary on emerging issues from break out groups	
16:30-17:15	Meeting with international advisory board	
17:15-18:00	SSC meeting	
<b>19:00</b>	<b>Conference dinner at Neptun Hotel</b>	
<b>Thursday March 10</b>		
	<b>SESSION 6</b>	<b>Chair: Christoph Heinze</b>
09:00-09:30	Scientific key note presentation Nr. 1: Gas measurements from profiling floats - recent developments and science showcases	Arne Körtzinger
09:30-10:00	Scientific key note presentation Nr. 2: Are we ready to detect the signals from the next Pinatubo-like volcanic eruption?	Fortunat Joos
10:00-10:15	Impact on policy makers, dissemination	C. Heinze et al.
10:15-10:30	Links to other projects	C. Heinze et al.
<b>10:30-11:00</b>	<b>Coffee break</b>	
11:00-11:15	Practical issues (reminder on time sheets, reporting, deliverables, finances), gender issues. <i>WP 10 Management</i>	Christoph Heinze
11:15-12:15	Debriefing from the break out groups	WP leaders
12:15-13:00	<b>Member General Assembly</b> Final discussion on open issues, next meeting	C. Heinze and plenary
<b>13:00-14:00</b>	<b>Lunch</b>	