IMBER 2014:

ORAL PRESENTATIONS

Tuesday 24 June (A3.1) —
11:30-11:45 — Thingstad, Frede — Coupling of biogeochemical fluxes, biological diversity, and trade off between competitive and defensive traits in microbes

Wednesday 25 June, D3.1—>
11:20-11:40— de Kok, Jean-Luc — Participatory modelling with fuzzy cognitive maps – A case example for the vulnerability of aquaculture for climate change

11:40-12:00 — Richards, Russell — Stakeholders and expert opinion: Using iPad Apps to better parameterize Bayesian belief network models

Wednesday 25 June, F2.3—>
16:15-16:30 – Richards, Russell — Ocean acidification – challenges for shell fish aquaculture

POSTERS June 24th 17:30

Cuevas, Luis Antonio: Heterotrophic bacteria and phytoplankton responses to different nutrient ratios in Chilean Patagonian fjords. Importance in the biological pump.

González, Humberto: Chilean Patagonian fjords: The possible impacts of global change on plankton food webs and biological pump in an uncertain ocean.

Van Ardelan, Murat et al: Ocean Food-web Patrol – Climate Effects: Reducing Targeted Uncertainties with an Interactive Network

Besiktepe, Sükri et al: Mediterranean Experiment on the impact of the physical dynamical processes on the food web

PROJECT COORDINATOR

YNGVAR OLSEN

Dear partners of Ocean-Certain

IPCC delivered in March their new scientific reports with chapters worked out by different working groups (IPCC WGII AR5). The problems experienced by panel members to make predictions of the oceans role in mediating a net carbon uptake and retention was but one of the reasons behind the project call that we were successful to win. We should therefore pay some attention to this report published at start of our project. One report covers the global and sectorial aspects, and another the regional aspect (http://ipcc-wg2.gov/AR5/report/). The following chapters of the reports may to different degree become important for Ocean-Certain:


Regional aspects: Chapter 30. The Ocean and Chapter 28. Polar Regions

There are other chapters of interest as well, and I challenge you to download other chapters of relevance for your work in the project, if not already done. There are for example several chapters covering more social aspects. We will need – from the beginning to the end - to have our own opinion about the core issues of Ocean-Certain, and our success depends on our ability to go beyond the state of the art in the general understanding of the biologically mediated flows of carbon out of the surface cycle of the global ocean. What we can assume, and take advantage of, however, is the predictions of the effects of increased CO\textsubscript{2} emission on the marine ecosystem made by the IPCC panel, because these predictions represent the state of the art of understanding at the start of Ocean-Certain. Whether we agree or disagree to the predictions made, we have an official state of the art description towards which we may measure our new results and conclusions and evaluate if and where Ocean-Certain has contributed to new important knowledge beyond the state of the art.

I will spend time to analyze the reports and include the relevant aspects in the announced revision of the global, marine carbon flows. I welcome your support.
Ocean-Certain is fortunate to have an associated partner that is a stakeholder organization, consisting of precisely the user groups that are critical to include in a study such as ours. The World Ocean Council is an unprecedented international, cross-sectoral industry leadership alliance on “Corporate Ocean Responsibility”. The WOC is engaging a wide range of ocean industries, including some that are critical for our project, namely: fisheries, aquaculture and tourism (in addition to a host of other sectors).

The main representative of WOC that you will see at meetings is Paul Holthus, the founding Executive Director of WOC. His experience ranges from working with the global industry associations or directors of UN agencies to working with fishers in small island villages. He has furthermore been involved in coastal and marine resource sustainable development and conservation work globally. He is a graduate of the University of California and the University of Hawaii, with advanced degrees in coastal/marine resources and international business.

We expect to take advantage of this opportunity we have been given to have access to responsible industry partners globally, and hope to have a participatory workshop with them soon, as part of WP 3 and 4.

EU specialist, Stefan De Graaf, NTNU

Ocean-Certain is proud to introduce our EU specialist, Stefan De Graaf. Stefan has been an advisor at NTNU since 2009. He has a background from industrial biotechnology at Wageningen University and Delft University of Technology, both in the Netherlands. Stefan speaks fluent Norwegian, impressively enough, in addition to English and Dutch naturally - so he will be able to communicate well with all of you.

You will know him as the formal contact point with the EU commission with regards to Ocean Certain. His job in the OC project is to make certain that we are following protocol with regards to the information we will need for later reporting (like making sure there is an Agenda and that commission demands thereto are being adhered to). He will also aid us in writing the administrative part of the Periodic Report, and he will answer any EU commission related questions. His role is even more critical if there are to be unforeseen and unfortunate changes to our agreement with the commission where our contract has to be renegotiated.

For the most part, though, he is just a wealth of information and a safety for us at NTNU - knowing that he knows the EU and the FP7 system through and through. He will always greet you with a smile, lots of kindness and understanding and steer you in the direction you need to go - with the legal backing thereof. We are very fortunate to have him onboard!

DISSEMINATION TITBITS OF IMPORTANCE:

1) **Always include the following acknowledgement in your article:** Financial aid from the European Commission (OCEAN-CERTAIN, FP7-ENV-2013-6.1-1; no: 603773) is gratefully acknowledged.

2) **Be Inclusive** - offer co-authorship across work packages as well as disciplines when appropriate.
Work Package I - Data mining group

On the 27-28th of March, 2014, WP1 arranged a kick off workshop for the work package group in Kiel, Germany. Those attending were (from left) Juan Carlos Molinero, Humberto Gonzales Estay, Eduardo Ramirez-Romero, Ulrich Sommer, Erdem Sayin, Pinar Öztürk, Murat Van Ardelan, David Maxwell and Sukru Besiktepe. The workshop was the kick-off meeting of WP1 Data mining and Knowledge Discovery. The goal was to present and discuss available data that will be used for WP1 activities; to identify pertinent approaches to reach WP goals, as well as to identify and develop synergies to implement the ecological modeling activities of WP2.

Work Package II - Modelling Group

Eva Garnacho, Robert Thorpe, Nicola Walker, T. Frede Thingstad, Murat V. Ardelan. At this meeting, the DSS mock up was introduced to the rest of the modelling group. At the Consilience meeting in Bergen June 18-19, the rest of the consortium will also see this.

Operational Manager Rachel Tiller, NTNU

Month 8 is already upon us, and many deliverables have already been sent in to Brussels for approval. Many of these deliverables have been in work package 6 and 7 - dissemination and management - where the deliverables consist of plans and templates and tools for managing the rest of the project period as smoothly as possible.

These templates, and all deliverables (submitted and not), as well as the resorts associated with them upon delivery - are located in Basecamp. I hope you will start using this project tool actively and contribute accordingly. There is a calendar within Basecamp also and I strongly encourage you to enter meeting dates there and send out invitations using Basecamp as well.

The more we interact, the more consilience we will be able to have, and the better our project results will be! With these words, I would like to say:

Have a great summer!
You may or may not have received mails from NTNU’s Senior Advisor and Chief Financial Officer for OCEAN CERTAIN, Terje Ruud. Mr. Ruud has an MBA in accounting from the Norwegian School of Business and Economics, and works as Senior Advisor in financial issues, with an emphasis on EU-financed research projects. He is therefore highly qualified for this job, and has a broad and strong background in the issue area of research financing.

Mr. Ruud is the person responsible for budgeting, follow-up and reporting to the EU - both for NTNU as well as for the Ocean-Certain consortium as a whole. His job is therefore critically important for the success of the project as a whole. Mr. Ruud’s requests for information from you are therefore very important - and it is critical that you answer him in a timely manner, and it should be unnecessary for him to have to remind you to do your job - so that he can do his.

This is because, according to the Consortium Agreement, we have made plans to distribute funds to partners every 6th month - in advance. Your feedback to these requests for estimates are crucial and will be highly appreciated by all partners (whose funds are held back until all responses are in).

### DELIVERABLES REPORTING

Please use the template in:
Dropbox — Deliverables Reporting — OCEANCERTAIN Deliverable Report.doc

Send the completed report to rachel.tiller@svt.ntnu.no and stefan.degraaf@ntnu.no by the end of the workday on the deliverable due date.

**WP leader:** Please delegate and ask for help in good time before the due date if you foresee problems with the delivery.