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Deliverable 4.4
Report of Meeting on interaction with Target
Audience (Key Stakeholders and KDTG)

WP's leader: UiB

Principal investigators:
Rachel Tiller, NTNU (NO)

Project's coordinator:
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1. (Popular) Description of deliverable

Though there is some overlap, Ocean Certain has divided its stakeholder efforts into Key Stakeholders and Key Dissemination Target Groups. Their definitions are as follows:

Key Stakeholders (KS) are comprised of experts from Member States Competent Authorities such as:

- a. European Environment Agency (EEA);
- b. Regional Sea Commissions (e.g. UNEP-MAP, HELCOM, OSPAR, CPPS);
- c. NGOs; and
- d. other relevant socio-economic groups related to the activities to be performed in WPs 3, 4 and 5.

Key Dissemination Target Groups (KDTG) is a category of stakeholders that is composed of all interested societal groups such as

- 1) the scientists;
- 2) regional authorities;
- 3) environmental managers;
- 4) regulators (Member States and EU Level);
- 5) NGOs (e.g., European Climate Foundation “ECF”); and
- 6) the general public.

We consider the following dissemination tools for the purposes of reaching out to KS and KDTG:

- a) press releases;
- b) pamphlets;
- c) fact sheets;
- d) posters;
- e) scientific papers and/or reports published;
- f) *participation in national and international scientific conferences; and*
- g) joint workshops/sessions with other projects.

The work in D4.4 was carried out as described in task 4.2 of the DOW and more specifically the sentences “*Consilience workshops with stakeholder and beneficiaries of other projects: Stakeholders and beneficiaries of other projects will assess OCEAN-CERTAIN’s project results e.g. DSS during annual two-day-workshops*”.

The work also bases itself on Deliverable 4.2, "Report of Meeting to receive advice and info from Key Stakeholders (KS) and KDTG" which results have significant overlaps with D4.4. In that deliverable, we stated that:

The purpose of the deliverable is to **organize and participate in meetings to receive advice and information from key stakeholders and key dissemination target groups**. The advice and information sought will be then used to identify key variables, drivers and indicators that are of importance to the end users. Stakeholder input is crucial to obtaining this information and it is required that they understand the issues involved and are willing to participate in providing the required feedback.



The focus of the current article is slightly different, in that it specifies "...interaction with Target Audience...", rather than D4.2s "...receiving advice and info from Key Stakeholders (KS) and KDTG...". We therefore concentrated on reporting on dissemination tool f) participation in national and international scientific conferences for the purposes of this deliverable.

2. Summary of contribution of involved partners to deliverable

The following lists are overviews of presentations done by Ocean Certain members to KS and KDTG during 2014 and 2015, not including Annual Meetings within the Consortium, and divided by Work Package.

Included are also presentations from the first large WP4 Consilience conference in Bergen, 2014 where a number of prominent researchers were present to both give and gain information – described in detail in D4.2.

Another important conference with stakeholders was the GAMEFISH workshop in March of 2015, where scholars from four different countries and six different institutions (including 6 different institutes at NTNU) were present to discuss stakeholder inclusion relative to Ocean Certain and beyond.

Consortium member	Number of presentations and WP number
NTNU	WP1 – 5 presentations WP2 – 1 presentation (but many of the same in collaboration with UAdCh) WP3 – 5 presentations
UAdCh	WP2 – 7 presentations
CEFAS	WP2 – 3 presentation
VITO	WP3 – 1 presentation (with NTNU and Griffith) WP5 – 3 presentations
TALCA	WP3 – 1 presentation
UGOTH	WP2 – 3 presentations
UiB	WP4 – 1 presentation

1. 31st May 2014; Reykjavik, Iceland

Marsi, Erwin and Öztürk, Pinar and Aamot, Elias and Sizov, Gleb and Ardelan, Murat V
“Towards text mining in climate science: Extraction of quantitative variables and their relations”

Proceedings of the Fourth Workshop on Building and Evaluating Resources for Health and Biomedical Text Processing

2. 20. Juni 2014; Bergen, Norway

Erwin Marsi and Pinar Öztürk,
“Text Mining & Literature based Knowledge Discovery briefing”,
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014

3. June 24, 2015: London, UK

Pinar Öztürk, Erwin Marsi and Natalia Manola “Can Computational Knowledge Discovery Tools Speed up Scientific Discovery?”, LIBER Annual Conference 2015, Session 3: Data Exploitation and Reuse.

<https://www.dropbox.com/s/d5a22v6enmlliu9/Liber-Presentation-London2015.pdf?dl=0>

4. September 19, 2015: Lisbon, Portugal

Erwin Marsi and Pinar Öztürk,
“Extraction and generalisation of variables from scientific publications”, Empirical Methods in Natural Language Processing (EMNLP2015).

https://www.dropbox.com/s/lnd43zxfxrlesq8/emnlp15_em_po_poster.pdf?dl=0

5. November 12-13, 2015: Trondheim, Norway

Erwin Marsi and Pinar Öztürk,
“Text mining for Marine Science: Discovering causal relations among variables”,
Workshop on Text Mining in Natural Sciences (TMINS)

1. **23-28 February 2014, Honolulu, Hawaii, USA**
“Phytoplankton populations response to iron-siderophore combinations in Patagonian fjords”. Iriarte JL, Ardelan M, Cuevas LA, González HE, Sánchez N. Ocean Science Meeting 2014.
2. **23-28 February 2014, Honolulu, Hawaii, USA**
“Effect of ammonium addition on the microbial food web structure and community composition of the osmotrophs in the Comau Fjord in southern Chile”. Olsen LM, Klaudia Hernández, Ardelan MV, Iriarte JL, Sanchez N, Gonzalez HE, Tokle N, Olsen Y. Ocean Sciences Meeting 2014.
<http://www.eposters.net/pdfs/effect-of-ammonium-addition-on-the-microbial-food-web-structure-and-community-composition-of-the.pdf>
3. **13-14 March 2014**
“Plankton dynamics in Patagonian fjords: The possible impacts of global change on food webs and biological pump in an uncertain ocean”. H.E. González, J.L. Iriarte, M. V. Ardelan, L.A. Cuevas, N. Sanchez, N. Silva, L. Castro & G. Daneri. WORKSHOP LIA MORFUN. “Functional and community response to environmental changes in marine environments: assessing the problem from a pluridisciplinary perspective” Universidad de Concepcion, Chile.
4. **23 April, 2014: Liverpool, UK**
“Speciation modeling”
David Turner, U Gothenburg
Speciation meeting Liverpool April 23, 2014
5. **20 June 2014, Bergen, Norway,**
“Ocean-Certain Lower trophic level modelling ”
Sonja van Leeuwen, CEFAS
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014
6. **20 June 2014, Bergen, Norway,**
“Ocean-Certain WP2 Modelling Overview ”
Robert Thorpe, CEFAS
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014
7. **23-27 June 2014, Bergen, Norway,**
“Chilean Patagonian fjords: The possible impacts of global change on plankton food webs and biological pump in an uncertain ocean.” H.E. González, J.L. Iriarte, M. V. Ardelan, L.A. Cuevas, N. Sanchez, N. Silva, L. Castro, G. Daneri & Y.Olsen. IMBER Symposium
8. **23-27 June 2014, Bergen, Norway,**
“Ocean Food web Patrol – Climate Effects: Reducing Targeted Uncertainties with an Integrated Network (OCEAN-CERTAIN)” Ardelan M.V., Sommer U., Thorpe R., Bailey^c J. , Thingstad T.F., de Kok, J-L., Bilsel. K.C. Öztürk P., Marsi E., Bratbak



G., Turner D., Hoffmann L., Besiktepe S., Chiggiato J., González H.E., Iriarte J. L. Vadstein O., Tiller R. Richards R.G. Salgado H. Engelen G., Olsen Y. IMBER Symposium.

9. 4. November 2014: Kiel, Germany

“CLE-CSV titrations in seawater: chemical speciation modelling.”

David Turner, U Gothenburg

Invited speaker at seminar at GEOMAR, Kiel

10. 4- 14 November 2014. Barcelona, Spain.

“Carbon Fluxes Of Two Pelagic Communities In The North Chilean Patagonian Coastal System”. Pavés, H.J., González H.E., Christensen V. Ecopath 30 years “Modelling ecosystem dynamics – beyond boundaries with EwE”. In: Ecopath 30 Years Conference Proceedings: Extended Abstracts. Fisheries Centre Research Reports (UBC) 2014 Volume 22 Number 3: 198-200.

11. 4- 14 November 2014. Barcelona, Spain.

“Trophic Impact and Keystone Species In Two Pelagic Communities In The North Chilean Patagonian Coastal System”. Pavés, H.J., González H.E., Christensen V. Ecopath 30 years “Modelling ecosystem dynamics – beyond boundaries with EwE”. In: Ecopath 30 Years Conference Proceedings: Extended Abstracts. Fisheries Centre Research Reports (UBC) 2014 Volume 22 Number 3: 178-180.

12. 26. November 2014, Waikiki, Hawaii

“CLE-CSV Titrations in seawater: Chemical Speciation Modelling”.

David Turner, U Gothenburg

Ocean Sciences Conference:

<http://www.sgmeet.com/osm2014/sessionschedule.asp?SessionID=116>

13. 4. – 6. November 2015: Boston, Massachusetts

Text Mining/Literature--based Knowledge Discovery

Murat Van Ardelan, Erwin Marsi, and Pinar Öztürk, NTNU

Transatlantic Science Week 2015

14. 5 November 2015

Changing Arctic Ocean Announcement of Opportunity

NERC Workshop; Jurys Inn, 245 Board Street, Birmingham, B1 2HQ UK;

for a NERC audience (National Engineering Research Council, UK).

- 1. June 21, 2014: Bergen, Norway**
"Systems Thinking Bayesian Belief Network Results from Amsterdam 2013"
Rachel Tiller, NTNU
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014
- 2. June 21, 2014: Bergen, Norway**
"WP3 Socio-economic analysis – Our Tasks and Links to OC Project"
Jennifer Bailey, NTNU
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014
- 3. 26-27 March 2015: Trondheim, Norway**
"Playing with Climate Change? Uncovering strategic behavior using stakeholder workshops and Bayesian Belief Networks"
Hugo Salgado, Talca
GameFish workshop, Trondheim– WP3 organized international workshop
- 4. 26-27 March 2015: Trondheim, Norway**
"Introduction to “Game Fish” – A Seminar on Choice in the Fisheries Sector"
Jennifer Bailey, NTNU
GameFish workshop, Trondheim – WP3 organized international workshop
- 5. June 26th, 2015: Amsterdam, Netherlands**
"Using local knowledge to improve modelling of environmental politics"
Rachel Tiller, Russell Richards and Jean-Luc De Kok
Mare Conference: People and the Sea VIII: Geopolitics of the Oceans – panel entitled:
"Knowledge Production for Governance".
- 6. September 24th 2015, Trondheim Norway**
"Interdisciplinary Research between the Social Sciences and Natural Sciences in Sustainability: Project experience and theoretical ambitions"
Jennifer Bailey, NTNU.

- 1. June 19th 2014, Bergen Norway**
"WP5 – System conceptualisation & functional design of DSS"
Jean-Luc de Kok and Lieve Decorte
Ocean Certain WP4 Consilience meeting, Bergen 19-20 June 2014

- 2. September 24th 2014, New York City, USA**
"Decision Support – Matching Science and Policy"
WOC Business forum
Jean-Luc De Kok, VITO

- 3. September 24th 2014, New York City, USA**
"Business, Food webs & the Biological Pump"
WOC Business forum
Tanya Tsagaraki, UiB

- 4. August 25-26, 2015: Amsterdam, Netherlands**
"A system dynamics model for the DSS"
Jean-Luc De Kok
WP5 task 5.3 and 5.4 – consilience meeting