

MINUTES

ECOSUPPORT WP 4 Meeting

Date: September 6-7, 2010
Venue: Institute of Oceanology PAS, Poland, Sopot, Powstancow Warszawy 55
Participants: As per the attached attendance list

Monday, September 6, 2010,

Introduction and general overview about the work each partner promised to do in WP4

After the round table presentation, Urmas Raudsepp (MSI) – leader of WP 4 – briefly introduced the work that was promised by each partner as per the full research plan. Markus Meier (SMHI) – Ecosupport coordinator – underlined that the outcomes of this WP are very important. They are one of the possible ways to show that the modeling results might be useful for different stakeholders representing different regions.

Status of the work by each partner and specific presentations that show the results of the work (Tasks T4.1-T4.3)

T4.1: Impacts on the Gulf of Finland

Jaan Laanemets (MSI) introduced the present status of work progress for Gulf of Finland. Ilja Maljutenko, also from MSI, showed some detailed results concerning long-term, high-resolution hydrodynamical model simulation. It was stated that there are no issues regarding the physical model, but the biogeochemical sub-model coupled to the 3D physical model is not running at the moment. It was also noted that different models give very different results and the methods for further validation were discussed. It was also stressed that the mean values need to be correct if the model results are to be useful for the stakeholders, which is the major goal of this WP.

T4.2: Impacts on Vistula Lagoon

Julia Gorbunova (ABIORAS) gave the presentation on nutrient loads to the Vistula Lagoon and Elena Esiukova introduced the atmospheric conditions in the region. No problems concerning the hydrological modeling were reported, however the water quality model is not working – MIKE 21 license has expired. Since T4.2 leader (Boris Chubarenko) was not present, further discussion and finding alternative solutions was postponed until the annual meeting in October in Sweden. It was also underlined that the influence of the other smaller rivers should be incorporated into Vistula Lagoon case study. Julia Gorbunova explained that it would be possible to spread the investigation into the rivers in question. It would be possible to estimate in first order the nutrient load changes dependent on the scenarios of socioeconomic development in the Kaliningrad Oblast, including improvement of waste water treatment facilities.

T4.3: Impacts on the Polish Economical Zone

Joanna Piwowarczyk (IOPAS) presented the work progress for the Puck Bay and the Polish EEZ. No issues were risen concerning the work status.

T4.4: BS-scale socioeconomic impacts

Since no representatives of BNI and CSPR attended the meeting, Markus Meier (SMHI) gave the presentation on T4.4 results. It was also clarified that the questionnaires focused on the consequences of climate change (survey completed by ABIORAS and IOPAS) are the part of this task. Anders Hansson from CSPR should be contacted for further methodology guidelines.

Tuesday, September 7, 2010,

Summary what has been done so far and what we have to do by the end of project

It was explained that there are no plans for integration of the three case studies. However a general, easily understandable summary for the stakeholders is expected. The summary will cover at least the HELCOM water quality parameters for each of the WP 4 subtasks. The parameters will include water transparency, chlorophyll concentration, total nitrogen and phosphorus ratios. The list of specific parameters needs to be prepared.

Presentation of detailed work plan from present status until the end of the project by each partner, including existing and potential problems

T4.1: Impacts on the Gulf of Finland

Jaana Laanemets (MSI) presented the detailed schedule of MSI work, deliverables and deadlines. The expected problems include validation of 3D ERGOM model and water quality indicators: chlorophyll *a* content in the upper 10-m layer, winter phosphate and nitrate content in the upper 10-m layer. These issues should not however influence the in time completion of T4.1.

T4.2: Impacts on Vistula Lagoon

Julia Gorbunova (ABIORAS) gave two talks. The first one presented the work plan for the remaining period and the second one was the summary of the 2nd International Conference on the Dynamics of Coastal Zone of Non-Tidal Seas (*Baltiysk, Kaliningrad Oblast, Russia, 26-30 June 2010*). Ecosupport was the official co-organizer of the event. It was again underlined that the major problems refer to MIKE 21 license and water quality indicators in Vistula Lagoon. SMHI assistance was requested and further discussions were again postponed till project annual meeting.

T4.3: Impacts on the Polish Economical Zone

Joanna Piwowarczyk (IOPAS) briefly elaborated on IOPAS future plans. They include the use of modeling results. Predictions of temperature rise, salinity drop – precipitation, wind patterns, oxygen and nutrient loads are expected to be delivered from WP2. The data should be available in NetCDF format. In order to proceed with the request, Markus Meier (SMHI) asked for the station positions and pointed out that despite the data on future parameters, IOPAS should also develop some realistic, socio-economic scenarios of the Puck Bay/Polish EEZ. It was also suggested to use simpler model than presented by IOPAS and to include more qualitative work. Urmas Raudsepp (MSI) noticed that IOPAS plans do not include detailed schedule and more information should be provided as soon as available.

Evaluation of the progress of WP4

According to Markus Meier (SMHI) the work in WP4 is almost going as planned. Some minor delays were noticed. IOPAS and ABIORAS were also encouraged to cooperate closely with CSPR within Task 4.4.

Any other business

Markus Meier (SMHI) underlined the importance of the dissemination and outreach activities as well as any other events aimed at the stakeholders. All of the above and the scientific papers are the measures of the project success. An idea of publishing a special issue on Ecosupport research was discussed as well the brief plans for new project during the next Bonus Call.

WP 4 Workshop, Sopot 6-7 September 2010-09-14

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