

Soils2Sea Project Meeting

Time: April 26-28, 2016

Place: Kaliningrad Oblast, Russia

Venue: Zelenogradsk, Volodarskogo St. 20, Hotel Sambia

Objectives

- * To review project progress
- * To visit Pregolya field study site
- * To discuss project approaches and scientific results
- * To agree on revised workplans and other issues as required - including a Steering

Format

- * Arrival - Monday
- * Field visit Tuesday and arrival
- * Meeting in plenary session Wednesday and Thursday morning
- * Steering Committee meeting Thursday afternoon

Agenda

Tuesday, April 26

- 09:00 Bus departure from Zelenogradsk
Session 1 - Field visit to Pregolya
- 9:00-12:30 *Pregolya catchment area (upstream to Gvargeysk city)*
- 12:30-13:30 *Lunch (in Kaliningrad)*
- 14:30-15:30 *Boat trip on the Pregolya River within the Kaliningrad*
- 15:30-19:00 *Free time in Kaliningrad*
- Participants flying to Kaliningrad on 26th may join for dinner (group transfer from Airport to Kaliningrad)
- 19:00-20:30 *Dinner in Kaliningrad (own funds of the participants?)*
- 20:30 *Transfer to Zelenogradsk*
- 21:30 Bus return to Zelenogradsk

Wednesday, April 27

- 09:00 - 09:20 *Session 2 - Welcome by coordinator*
 Project status, news from BONUS etc. and expectations for meeting (JC)
- 09:20 - 10:30 *Session 3 - Update/progress for field sites (data collection and modelling)*
 Pregolya (Boris/Dmitry)
 Kocinka (Przemek)
 Tullstorp (Anders)
 Norsminde (Rasmus)
- Max 15 min/site.
 Do not repeat from last meeting
- 10:30 - 11:00 *Coffee break*
- 11:00 - 12:30 *Session 4 - Modelling studies*
 Balt-HYPE model status (Rene)
 Groundwater retention for the Baltic Sea Basin (Anker)
 Upscaling - groundwater retention (Anne)
 Upscaling - groundwater (Przemek)
 Upscaling - surface water retention (Anders)
- 12:30 - 13:30 *Lunch*

- 13:30 - 15:30 *Session 5 - Scenarios*
- 13:30-14:00 Land use scenarios (+ crops and fertilizer) for Baltic Sea Basin (Mohamed)
 - 14:00-14:30 Discussion of land use scenarios - feedback from countries (All)
 - 14:30-14:50 Selecting a smaller ensemble of climate model projections (Rene)
 - 14:50-15:10 Discussion on challenges with incorporating scenarios in modelling (Rene)
 - 15:10-15:30 Norsminde case on differentiated regulation - groundwater aspects (Anne)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 18:00 *Session 6 - Water governance*
- Stakeholder workshops in 2016 (Nico)
 - Etnographic studies (Nico)
 - Governance concepts - D6.2 (Nico)
 - Monitoring concepts - D6.3 (Nico)
 - Threshold guidelines - D6.1 (Klaus)
- 19:00 *Project dinner - Discussion of project relevant issues*

Thursday, April 28

- 09:00 - 10:30 *Session 7 - Dissemination and other issues*
- Next Newsletter (Nico)
 - Event mapping (Nico)
 - Dissemination list (JC)
 - Homepage - follow up on decisions from Krakow - and new suggestions (Ryet)
 - *** Reserve time for left over issues ***
- 10:30 - 11:00 *Coffee break*
- 11:00 - 12:30 *Session 8 - Conclusions and work plan coordination*
- Updating of project time schedule
 - Conclusions on coordination issues
 - Topics for next meeting
- 12:30 - 13:30 *Lunch*

13:30 - 15:00 *Steering Committee Meeting*

Agenda to be prepared

Written material to be available on internal website before the meeting

Deliverables

- D1.5 Periodic Report 2
- D2.2 Soils2Sea scenarios for nutrient reductions
- D4.1 Impacts of river damming on nutrient export and optimized, multi-objective reservoir operation

Written notes

- Donnelly C, Strandberg G. Selecting a smaller ensemble of CMs for BONUS Soils2Sea. 4pp
- Jabloun M, Olesen JE. A note on land use, crops and fertilisation in future climate -- to be prepared

International journal papers - published

- Andersson JCM, Pechlivanidis IG, Gustafsson D, Donnelly C, Arheimer B (2015) Key factors for improving large-scale hydrological model performance. *European Water*, 49,77-88
- Boano F, Harvey JW, Marion A, Packman AI, Revelli R, Ridolfi L, Wörman A (2014) Hyporheic flow and transport processes: Mechanisms, models, and biogeochemical implications. *Reviews of Geophysics*, 52(4), 603–679, doi:10.1002/2012RG000417
- Donnelly C, Andersson JCM, Arheimer B (2015) Using flow signatures and catchment similarities to evaluate the E-HYPE multi-basin model across Europe. *Hydrological Sciences Journal*.
<http://dx.doi.org/10.1080/02626667.2015.1027710>
- Riml J, Wörman A (2015) Spatiotemporal decomposition of solute dispersion in watersheds. *Water Resources Research*, 51, 2377–2392, doi:10.1002/2014WR016385

Other

- Soils2Sea Dissemination status 9 March 2016