

Cross-sectoral ISIMIP and PROCLIAS Workshop 05-08 June 2023

General session: broad relevance	Break out session: of general interest	Technical break out session: for particularly interested audience	Closed session: upon invitation only
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Time (UTC+2)	Monday 05 June				Tuesday 06 June				Wednesday 07 June				Thursday 08 June			
9:00 - 10:00	Registration				ISIMIP sector presentation (9:00-10:15)					Sector meeting: Fisheries 1 (09:00-10:00)	PROCLIAS WG4: Outreach (09:00-10:00)	PROCLIAS Expert elicitation (09:00-10:00)		Sector meeting: Fisheries 2 (9:00-11:00)		
10:00 - 11:00					Coffee Break (10:15-10:30)				PROCLIAS Expert elicitation of Heat-Health Action Plans (T3.11) (9:30-12:00)	Presentations from selected ISIMIP/PROCLIAS activities (10:00-11:00)					Sector meeting: Water quality 2 (10:00-11:30)	
11:00 - 12:00	Sector meeting: Water regional (11:00-12:00)				Sector meeting: Fisheries (9:30-13:30)	Presentation of ISIMIP 3a Simulation results (10:30-12:00)				Coffee Break (11:00-11:15)				Sector meeting: Fisheries (11:00-17:00)		Lunch in the mensa (on own costs)
12:00 - 13:30	Lunch in the mensa (on own costs)					Lunch Break (12:00-13:15)				Presentation of ISIMIP 3b Simulation results (11:15-12:45)						
	Sector meeting: Water global 1 (12:30-13:30)					Sector meeting: Forest (12:45-14:15)				Sector meeting: Water global 2 (13:15-14:15)					Sector meeting: Fisheries (12:15-14:15)	
13:30 - 15:00	Opening Session (13:30-15:00)				15 min Break				PROCLIAS Expert elicitation (T3.11) (13:00-15:30)	Lunch Break (12:45-14:15) Visit to Brewery in 2 groups				Sector meeting: Water quality 3 (13:00-14:00)		
15:00 - 15:30	Coffee Break and Group Photo (30 min)				Plenary: Agriculture - Water - Food - Health Nexus (14:30-15:30)					Career planning Panel for Early-Stage Researcher (14:30-15:30)					Country-scale Forest modeling (14:30-15:30)	
15:30 - 17:30	Automatic QA/QC of impact model output (PROCLIAS TG1.2) (15:30-17:30)	High resolution forcing data (PROCLIAS TG1.7) (15:30-17:30)	Sector meeting: Energy (15:30-17:30)	Sector meeting: Labour (15:30-17:00)	Poster session 2 (Coffee) (15:30-16:30)				Plenary: Key risks across sectors (15:30-17:30)				Sector meeting: Water Quality 1 (15:30-17:00)	Sector meeting: Peat (15:00-17:30)		
					Sector meeting: Biomes/Fire/Permafrost (16:30-17:30)				Sector meeting: Water global 3 (16:30-17:30)						Sector meeting: Agriculture (16:30-17:30)	
17:30 - 19:00	Poster Session 1 (Welcome Reception)								Wrap up and Closing remarks (Katja Frieler)							
19:00					Conference Dinner (Charles Bridge Prague - own costs, registration needed) (19:00)											

# Detailed Program

**Monday 5.6.** (note that on Monday we will have two slots with parallel sessions)

Plenary session: broad relevance	Break out session: of general interest	Technical break out session: for particularly interested audience	Closed session: upon invitation only
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Time (UTC+2)	Session	Session organisers (Chair in bold)	Venue
9:00-13:30	<b><u>Registration</u></b>		Lobby (Building entrance)
9:30-13:30	<b><u>Parallel session 1: Sector meeting: Fisheries and Marine Ecosystems</u></b>	<b>Olivier Maury</b>	DP416
	- Development of ISIMIP-FishMIP 3b protocol: Identification of future socioeconomic forcing data for 3b protocol		(on-site only)
10:00-11:00	<b><u>Parallel session 2: Sector meeting: Lakes</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b>	Wim Thiery, Rafael Marcé, Don Pierson, <b>Daniel Mercado-Bettín</b>	DP107
	- “The Footprint of global climate oscillations on surface temperatures across lakes” (Daniel Mercado-Bettin) - “The effect of climate change and eutrophication on lake water quality globally” (Annette Janssen, remote presentation) - “Tracking climate zone shifts and the change of air-water temperature relationships in ISIMIP local lakes” (Dirk Schlabing, remote presentation)		
11:00-12:00	<b><u>Parallel session 3: Sector meeting: Water regional</u></b>	<b>Fred Hattermann,</b> Valentina Krysanova	DP106
	- Status update and discussion on the Special Issue in preparation		
12:30-13:30	<b><u>Sector meeting: Water global (1)</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b>	<b>Simon Gosling,</b> <b>Hannes Müller Schmied</b>	DP107
	- “WAYS model and global water resources assessment” (Jungo Liu, remote presentation) - “Validation of reservoir operation using satellite remote sensing for global hydrological models under ISIMIP” (Kedar Otta, remote presentation) - “Update on GLOBGM (1 km GLOBal Groundwater Model): Progress and challenge” (Edwin Sutanudjaja, remote presentation)		
(to be continued)			

13:30-15:00	<b><u>Opening session</u></b> <b>10 mins presentations + 2 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- Welcome (Radek Rinn, Vice Dean Riat CZU)</li> <li>- ISIMIP News and status update (Katja Frieler)</li> <li>- PROCLIAS News and status update (Christopher Reyer/Laura Dobor)</li> <li>- TG1.1: ISIMIP 3b Land use patterns (Edna Molina Bacca)</li> <li>- TG3.11: Expert elicitation of Heat-Health Action Plans (Aleš Urban)</li> <li>- TG1.7 High resolution climate forcing data (Johanna Malle)</li> </ul>	Katja Frieler, <b>Christopher Reyer</b> , <b>Laura Dobor</b>	DP201
15:00-15:30	<b>Coffee break and Group Photo</b>		
15:30-17:30	<b><u>Parallel session 1: Automatic quality check / quality assessment of impact model output (TG 1.2)</u></b> <ul style="list-style-type: none"> <li>- QC tool (45 min, around 20 min presentation): <ul style="list-style-type: none"> <li>- Presenting / guide through QC-Tool functionalities (Matthias Büchner)</li> <li>- Application of QC in model development (Hannes Müller Schmied)</li> <li>- What happens when variable ranges are violated (workflow/documentation?) (Matthias Büchner)</li> <li>- Encourage users to use the qc tool on their side before submission to save computing time at PIK-side (not all data can be checked there due to time and computing limitations) (Matthias Büchner)</li> <li>- Discussing demand for additional features / open discussion</li> </ul> </li> <li>- QA tool (45 min): <ul style="list-style-type: none"> <li>- Presenting current QA-Tool functionalities (Jochen Klar)</li> <li>- Overview of NFDI4Earth proposal (Hannes Müller Schmied)</li> <li>- Presentation stream network assessment (Hannes Müller Schmied)</li> <li>- Call for contribution to the hackathon (Gerbrand Koren/Hannes Müller Schmied)</li> <li>- Discussing demand for other sectors &amp; key features for the QA-tool</li> </ul> </li> <li>- Open discussion (20 min)</li> </ul>	Hannes Müller Schmied	DP201
	<b><u>Parallel session 2: High resolution experiment (TG 1.7)</u></b> <ul style="list-style-type: none"> <li>- Overview of the ISIMIP high-resolution experiment &amp; first results</li> <li>- Next steps</li> <li>- <i>High-Climate (tbc)</i></li> </ul>	Dirk Karger, Johanna Malle	DP107
(to be continued)			

15:30-17:30	<b><u>Parallel session 3: Sector meeting: Energy fluctuations and Extremes</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Global gridded projections of household cooling energy demand to 2050” (Giacomo Falchetta)</li> <li>- “Observed changes in climate can empirically identify long-run adaptation: the extensive vs intensive margins of energy demand” (Francesco Colelli)</li> <li>- “Closing loops – the rapid emulation of climate risks and integration into IAMs” (Edward Byers)</li> </ul>	James Glynn, <b>Christian Otto</b> , Michelle van Vliet	DP106
	<b><u>Parallel session 4: Sector meeting: Labour</u></b> <ul style="list-style-type: none"> <li>- Adaptation in the labour force - PROCLIAS TG presentation</li> <li>- Attributing historical changes in the labour force to climate change (Shouro Dasgupta, Simon Gosling)</li> <li>- Assessing macro-economic effects of climate impacts on labour productivity in the EU (Standardi)</li> </ul>	<b>Shouro Dasgupta</b>	
17:30-19:00	<b><u>Poster Session 1 and Welcome reception</u></b> <ul style="list-style-type: none"> <li>- “Planning of Ecological Corridors for Adaptation to Climate Changes in Degraded Karst Forest Ecosystems” (Turgay Dindaroglu)</li> <li>- “Interdependence among subregional crop production affects global crop failure risk” (Sifang Feng)</li> <li>- “The perfect storm? Concurrent climate extremes in East Africa” (Derrick Muheki)</li> <li>- “Quantifying Adaptive Capacity for Climate Risk Assessment: A Framework Using the Shared Socioeconomic Pathways (SSPs)” (Edward Byers)</li> <li>- “Quantification of peatland-mediated feedbacks to the climate system” (Nitin Chaudhary)</li> <li>- “Global surface water quality under uncertain climate and socio-economic change” (Edward R. Jones)</li> <li>- “Future projections of anthropogenic perturbation of organic carbon burial in global lake sediments” (Ana I. Ayala)</li> <li>- “Using basin-scale physiographic attributes to improve river routing in JULES” (Aristeidis Koutroulis)</li> <li>- “ISIMIP data management and submission process” (Iliusi Vega del Valle, Matthias Büchner)</li> </ul>		Lobby (in front of DP201)

**Tuesday 6.6.** (note that on Tuesday we will have three slots with parallel sessions)

Plenary session: broad relevance	Break out session: of general interest	Technical break out session: for particularly interested audience	Closed session: upon invitation only
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Time (UTC+2)	Session	Session organisers (Chair in bold)	Venue
9:00-10:15	<b><u>Plenary: ISIMIP sector presentation</u></b>  Cross-sectoral Panel discussion	<b>Christopher Reyer</b>	DP201
9:30-15:30	<b>PROCLIAS Task group 3.2 &amp; 3.11 workshop:</b> Expert elicitation on Heat-Health Action Plans  Please note that this is a separate event and participation is upon invitation only (for details see separate agenda).	<b>Aleš Urban</b>	DP411A
10:15-10:30	<b>Coffee Break</b>		
10:30-12:00	<b><u>Plenary: Presentation of ISIMIP 3a Simulation results</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b>  <ul style="list-style-type: none"> <li>- “The Effect of Climate Change on Global Wildfire Activity” (Seppe Lampe)</li> <li>- “Evaluating simulated discharge in global hydrological models from ISIMIP3a” (Stefanie Heinicke)</li> <li>- “Attribution of climate change imprint on riverine nutrient export to African coastal waters” (Albert Nkwasa)</li> <li>- “Quantifying the contribution of climate change to heat-attributable mortality in Europe” (Thessa Beck)</li> <li>- “The burden of temperature-related stillbirths and neonatal deaths attributable to climate change – a global analysis across 29 Low- and Middle-income countries” (Asya Dimitrova)</li> <li>- “Attribution of historical change of vegetation biomass” (Akihiko Ito, remote presentation)</li> </ul>	<b>Matthias Mengel</b>	DP201
12:00-13:15	<b>Lunch break</b>		
12:15-14:15	<b><u>Parallel session 1: Sector meeting Fisheries</u></b>  Discussion on integration of future soc scenarios into 3b protocol	<b>Julia Blanchard</b>	DP416
to be continued			

12:45-14:15	<b><u>Parallel session 2: Sector meeting Forest</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- TG2.3: “Tree establishment in models of forest dynamics: protocol for a multi-model simulations and results from a PROCLIAS workshop” (Olalla Díaz-Yáñez)</li> <li>- “Strategies for climate-smart forestry in European forests under uncertain future climate” (Konstantin Gregor)</li> <li>- “Calibration and validation of the model Biome-BGCMuSo for simulation of SOC change in oak forests in Europe – results from STSM in Zvolen” (Doroteja Bitunjac, remote presentation)</li> <li>- “Effect of forest management choices on carbon sequestration and biodiversity at national scale” (Annikki Mäkelä)</li> <li>- “Data assimilation of forest status using Sentinel-2 data and a process-based model” (Francesco Minunno)</li> <li>- “Linking forest dynamics modelling with close-range photogrammetry and biodiversity assessments” (Merganičová Katarína)</li> </ul>	Christopher Reyer	DP201
13:15-14:15	<b><u>Parallel session 3: Sector meeting Water global (2)</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “The impact of historical human water management and land-use change on the global risk of riverine ecological change” (Simon Gosling)</li> <li>- “Reservoir air-conditioning: a sustainable seasonal thermal energy storage technology” (Julian David Hunt)</li> <li>- “Towards a theory of evaluation for global water models” (Sebastian Gnann)</li> </ul>	Hannes Müller Schmied, Simon Gosling	
14:15-14:30	15 min Break		
14:30-15:30	<b><u>Parallel session 1: Agriculture-Water-Food-Health Nexus</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Food insecurity in the context of a changing climate” (Elizabeth Robinson)</li> <li>- “Quantifying food security and mitigation risks consequential to climate change impacts on crop yields” (Hermen Luchtenbelt)</li> <li>- “Attribution of historical changes in food security to climate change” (Shouro Dasgupta)</li> </ul>	Shouro Dasgupta	DP201
	<b><u>Parallel session 2: Career planning Panel for Early-Stage Researcher</u></b>  Brainstorming session with Early-Stage Researchers on what activities within PROCLIAS/ISIMIP would be particularly helpful focusing on technical skills but also career development etc.	Katarina Merganičová	DP107
	<b><u>Parallel session 3: Country-scale forest modeling</u></b>  Follow-up and discussion on previous forest session and follow-up project plans	Christopher Reyer	DP106
to be continued			

15:30-16:30	<b>Poster Session 2 &amp; Coffee Break</b> <ul style="list-style-type: none"> <li>- “Climate change impact on wireless communications” (Louis-François Pau)</li> <li>- “Biosphere integrity indicators analyzed for future ISIMIP3b climate and land use scenarios” (Fabian Stenzel)</li> <li>- “Assessment of climate change-driven compound coastal-fluvial urban flooding” (Indiana A. Olbert)</li> <li>- “What happens to our ISIMIP simulations when we do not calibrate our lake models?” (Tom Lorimer)</li> <li>- “ISIMIP data for spatial compound event analysis” (Cristina Deidda)</li> <li>- “Potential future climate change impacts on afforestation and reforestation” (Fabian Stenzel)</li> <li>- “Does higher spatial resolution increase the accuracy of simulated land-surface processes in complex terrain?” (Johanna T. Malle)</li> <li>- “Application of Air2Stream model to predict river water temperature in two catchments for different climate change scenarios” (Jingshui Huang)</li> <li>- “Model evaluation strategy has an impact on the performance and interpretation of machine learning models for the prediction of maize yield variability” (Lily-belle Sweet)</li> <li>- “Climate change impact on spatial and temporal fish habitats availability” (Vytautas Akstinas)</li> <li>- “Assessing the impact of climate change on erosion processes near bridges over rivers” (Kristina Potočki)</li> <li>- “ISIMIP data management and submission process” (Iliusi Vega del Valle, Matthias Büchner)</li> </ul>		Lobby (In front of DP201)
16:30-17:30	<b>Parallel session 1: Sector meeting Biomes/Permafrost/Fire</b> <ul style="list-style-type: none"> <li>- Biomes, Permafrost, Fires sector overview (models, simulation status, paper plans, first results, main challenges) (C Reyer, J Chang/E Burke/F Li, C Burton, S Hantson; 15min each)</li> <li>- Planning of ISIMIP3b group III simulations (with changing future land-use etc...) (C Reyer, E Molina Bacca)</li> <li>- Open discussion on integration across the three sectors (20min)</li> </ul>	<b>Christopher Reyer</b> , Jinfeng Chang, Eleanor Burke, Fang Li, Chantelle Burton, Stijn Hantson	DP201
	<b>Parallel session 2: Sector meeting Water global 3</b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Drought events from 1971-2001 and their propagation” (Amit Kumar)</li> <li>- “Agreements and divergent patterns in the reproducibility of hydrologic fluxes and storages simulated by ISIMIP global water models” (Yadu Pokhrel, remote presentation)</li> <li>- “Quantifying lifetime water scarcity” (Inne Vanderkelen, remote presentation)</li> </ul>	<b>Hannes Müller Schmied</b> , Simon Gosling	DP107
	<b>Parallel session 3: Sector meeting Agriculture</b> Informal Q+A session introducing ongoing activities	<b>Jonas Jägermeyr</b>	DP106
19:00	<b>Conference Dinner</b> at Charles Bridge Prague ( <a href="http://charlesbridge-prague.cz/en/welcome/">http://charlesbridge-prague.cz/en/welcome/</a> ) The Conference Dinner is on own costs, and for participants who registered for it beforehand, only.		

**Wednesday 7.6.** (note that on Wednesday we will have two slots with parallel sessions)

Plenary session: broad relevance	Break out session: of general interest	Technical break out session: for particularly interested audience	Closed session: upon invitation only
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Time (UTC+2)	Session	Session organisers (Chair in bold)	Venue
9:00-10:00	<b><u>Parallel session 1: Sector meeting: Fisheries and Marine Ecosystems</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Potential impacts of solar radiation management on global fish biomass” (Kelsey E. Roberts) Discussion on climate mitigation and geoengineering scenarios</li> <li>- “The Ocean System Pathways (OSP) for driving marine ecosystems &amp; fisheries models.” (Olivier Maury) Discussion on integration into FishMIP models</li> </ul>	<b>Derek Tittensor</b>	DP416
	<b><u>Parallel session 2: PROCLIAS WG4: Communication and Dissemination of climate impacts</u></b> <b>7 mins presentations:</b> <ul style="list-style-type: none"> <li>- “Stakeholders in climate litigation” (Rosa Pietroiusti)</li> <li>- “Incorporating stakeholder feedback into the modeling concept – a case study of Lake Victoria basin”. (Annika Schlemm)</li> </ul>	<b>Albert Nkwasa</b>	DP201
	<b><u>PROCLIAS Task group 3.2 &amp; 3.11 workshop:</u></b> Expert elicitation on Heat-Health Action Plans  <ul style="list-style-type: none"> <li>- Please note that this is a separate event and participation is upon invitation only (for details see separate agenda).</li> </ul>	<b>Aleš Urban</b>	DP411A
10:00-11:00	<b><u>Presentations from selected ISIMIP/PROCLIAS activities</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- ISIMIP Interactive Viewer for the European Climate Risk Assessment - beta version (Julie Berckmans; remote presentation)</li> <li>- Automatic quality check / quality assessment of impact model output (Hannes Müller Schmied)</li> <li>- “Hot models” in CMIP 6 climate projections (Jacob Schewe)</li> <li>- “Mapping global gender inequality in water security” (Kaoru Kakinuma)</li> </ul>	<b>Laura Dobor</b>	DP201
11:00-11:15	<b>Coffee Break</b>  to be continued		



11:15-12:45	<b><u>Presentation of ISIMIP 3b Simulation results</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Children disproportionately exposed to attributable heatwaves at low-latitude low-income countries” (Rosa Pietroiusti)</li> <li>- “Climate change risk to Eurasian Rangelands for Sustainability of Pastoralism” (Banzragch Nandintsetseg)</li> <li>- “1.5°C or not 1.5°C? That is the [burning] question: Fire as an example for assessing temperature thresholds of emerging impacts” (Chantelle A. Burton, remote presentation)</li> <li>- “Combining future projections of land-use and climate change to assess their impact on biodiversity” (Chantal Hari)</li> <li>- “More or less fish in future oceans? The importance of scale for climate change projections” (Tyler D. Eddy)</li> <li>- “Using ecological theory to evaluate and reduce uncertainties of a marine ecosystem model ensemble” (Camilla Novaglio)</li> </ul>	Jacob Schewe	DP201
12:45-14:15	<b>Lunch Break &amp; Brewery Visit</b> (Participants who registered for the campus brewery visit will be approached on site and the tour will be organized in two groups.)		
14:15-15:00	<b><u>Keynote</u></b> <ul style="list-style-type: none"> <li>- Prof. Dr. Keywan Riahi (IIASA): “Challenges and opportunities of an integrated perspective on impacts, adaptation and mitigation”</li> </ul>	Katja Frieler	DP201
15:00-15:30	<b>Coffee Break</b>		
15:00-17:30	<b><u>Parallel session 1: Sector meeting: Peat</u></b> (note the early start parallel to the Coffee Break) <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Offsetting climate and land use effects on wetland methane emissions over 1901-2020” (Etienne Fluet-Chouinard, remote presentation)</li> </ul>	Angela Gallego-Sala, Noah Smith, Michel Bechtold, Sarah Chadburn	DP106
15:30-17:30	<b><u>Parallel session 2: Key risks across sectors</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> <ul style="list-style-type: none"> <li>- “Towards quantifying IPCC Key Risks for ecosystems and biodiversity” (Alex Köberle, remote presentation)</li> <li>- “Assessing energy availability for satisfying human needs along climate mitigation pathways” (Jarmo Kikstra)</li> <li>- “Urban heat and global inequality” (Steffen Lohrey, remote presentation)</li> <li>- “Protecting the power grid from extreme wind events: Increasing resilience by protecting critical lines” (Mehrnaz Anvari)</li> <li>- “The "conflict trap" reduces economic growth in the Shared Socioeconomic Pathways.” (Kristina Petrova)</li> </ul>	Franziska Piontek, <b>Christian Otto</b>	DP201
15:30-17:00	<b><u>Parallel session 3: Sector meeting: Water Quality 1</u></b> <ul style="list-style-type: none"> <li>- Modeling Protocol</li> </ul>	Maryna Stokol	DP107
17:30	<b><u>Plenary: Wrap up and closing remarks</u></b>	Katja Frieler	

**Thursday 8.6.** (note that on Thursday we will have two slot with parallel sessions)

Plenary session: broad relevance	Break out session: of general interest	Technical break out session: for particularly interested audience	Closed session: upon invitation only
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Time (UTC+2)	Session	Session organisers (Chair in bold)	Venue
9:00-11:00	<b><u>Parallel session 1: Sector meeting: Fisheries and Marine Ecosystems</u></b> - 9:00-10:00 FishMIP FAO Policy Report: key highlights and next steps (Julia Blanchard & Camilla Novaglio) Discussion: Key modeling needs for making regional assessments more reliable for policy - 10:00-11:00 FAO Summary Report (Discussion)	<b>Tyler Eddy</b>	DP416
10:00-11:30	<b><u>Parallel session 2: Sector meeting: Water quality (2)</u></b> Regional modeling	<b>Ann van Griensven</b>	DP107
11:00-17:00	<b><u>Sector meeting: Fisheries and Marine Ecosystems</u></b> Team writing session	<b>Kelsey Roberts &amp; Camilla Novaglio</b>	DP416
13:00-18:00	<b><u>Parallel Session 1: Sector meeting Groundwater</u></b> <i>Program tba</i>	<b>Robert Reinecke</b>	DP106
13:00-14:00	<b><u>Parallel Session 2: Sector meeting: Water quality (3)</u></b> <b>10 mins presentations + 5 mins Q&amp;A:</b> - "Water quality protocols for intersectoral comparisons and climate change" (Maryna Strokai) - "Future water quality in Ukraine under climate change" (Vita Strokai) - "Climate change impacts on reservoir quality: a case study of Ukraine" (Anna Kurovska) - Progress updates and further discussions (Maryna Strokai)	<b>Maryna Strokai, Ann van Griensven</b>	DP107