

General Assembly 2023

Report of Contributions

Contribution ID: 1

Type: **not specified**

Plenary 1: Opening of General Assembly 2023 (Topics at a glance & Introduction to Program Objectives)

Monday 15 May 2023 09:00 (1h 30m)

Presenter: DEVEY, Colin (GEOMAR)

Contribution ID: 3

Type: **not specified**

Plenary 3: Summary and discoveries of day 1 & group picture

Monday 15 May 2023 17:45 (15 minutes)

Presenter: DEVERY, Colin (GEOMAR)

Contribution ID: 4

Type: **not specified**

Conference Dinner & Evening Fun at the GenoHotel

Monday 15 May 2023 18:30 (2 hours)

Contribution ID: 6

Type: **not specified**

Plenary 9: Summary & Closing of the General Assembly 2023

Tuesday 16 May 2023 16:00 (30 minutes)

incl. the (Sur)Prize Award Ceremony for the best two posters donated by Gerrit Lohmann (AWI)

Presenter: DEVEY, Colin

Contribution ID: 7

Type: **not specified**

Digitalization and DataHub

Monday 15 May 2023 14:15 (1h 30m)

The DataHub of the Research Field Earth and Environment is a joint initiative of all centers of the Helmholtz Association participating in the research program 'Changing Earth'. Three SubHubs assigned to the compartments of the Earth system jointly form the DataHub. Within the DataHub, FAIR data management is practiced to enable data science. Here, we invite colleagues to learn more about the DataHub and to participate in its further development.

Presenters: BUMBERGER, Jan (UFZ); BRAESICKE, Peter (KIT); LORENZ, Sören (GEOMAR)

Session Classification: Breakout Sessions

Contribution ID: 8

Type: **not specified**

Carbon Cycle

Monday 15 May 2023 14:15 (1h 30m)

A new CTA „Carbon sources and sinks in the Earth’s (Surface) System“

In this breakout session we introduce a new cross-topic activity (CTA) in the research domain Earth&Environment. The major strategic objective of the proposed CTA is to bring together experts on carbon cycling from the full range of relevant fields in the Helmholtz Research Domain Earth & Environment and explore links to the Research Domain Energy.

We aim to focus on two main aspects:

- 1) Identification of knowledge gaps in understanding of the C-Cycle (budgets, residence times, unknown and unqualified processes)
- 2) Working towards applying this knowledge to enhance C drawdown mechanisms for potential Carbon Dioxide Removal (CDR) approaches

In this context we also discuss the new and upcoming SynCom activity on CDR.

Presenter: SACHSE, Dirk (GFZ)

Session Classification: Breakout Sessions

Contribution ID: 9

Type: **not specified**

SCENIC

Tuesday 16 May 2023 09:15 (15 minutes)

Storylines of European extremes in warmer climates

Presenter: GOESSLING, Helge (AWI)

Session Classification: Plenary 5: Presentation of InnoPool Projects

Contribution ID: **10**

Type: **not specified**

High - CO2

Tuesday 16 May 2023 09:30 (15 minutes)

High-CO2 Metabolic Responses and Bioeconomic Opportunities

Presenter: LIPUS, Daniel (GFZ)

Session Classification: Plenary 5: Presentation of InnoPool Projects

Contribution ID: **11**

Type: **not specified**

P-LEACH

Tuesday 16 May 2023 09:45 (15 minutes)

overview presentation of the status and some highlights for P-LEACH

Presenters: BEDULINA, Daria (AWI); RÖMERSCHEID, Mara (UFZ)

Session Classification: Plenary 5: Presentation of InnoPool Projects

Contribution ID: **12**

Type: **not specified**

CASCO

Tuesday 16 May 2023 10:00 (15 minutes)

Overcoming challenges towards a common multi-hazard workflow

Presenters: NIEVAS, Cecilia (GFZ); BOUWER, Laurens (Hereon)

Session Classification: Plenary 5: Presentation of InnoPool Projects

Contribution ID: **13**

Type: **not specified**

Cities and Climate Change

Monday 15 May 2023 14:15 (1h 30m)

Session organized by KIT, hereon, UFZ

Presenters: KUHLCHE, Christian (UFZ); SCHMID, HaPe (KIT); CORTEKAR, Jörg (Hereon)

Session Classification: Breakout Sessions

Contribution ID: 14

Type: **not specified**

Citizen Science

Monday 15 May 2023 14:15 (1h 30m)

Citizen science is successfully implemented as a participatory research approach in many Helmholtz Centres and is currently experiencing growing interest and popularity in research, politics and civil society. In our workshop we will present the plan to establish a Helmholtz Cooperation Across Research Fields (CARF) on citizen science and participatory research for social innovation, and discuss its goals, structure and activities at four World Café tables.

Presenters: BONN, Aletta; VON GÖNNER, Julia (both: Deutsches Zentrum für integrative Biodiversitätsforschung (iDiv) Halle-Jena-Leipzig)

Session Classification: Breakout Sessions

Contribution ID: 15

Type: **not specified**

CARF MACE

Monday 15 May 2023 14:15 (1h 30m)

Mainstreaming Environmental Assessment for Complex Exposure

The cross-cutting activity MACE creates a platform to develop overarching activities in the program “Changing Earth” and “Health”. MACE strives to synthesise results of environmental and human health research to support solution-oriented risk assessment and management of novel entities, which are chemicals and other types of materials of anthropogenic origin, including (micro)plastic and man-made particles.

Presenters: ESCHER, Beate (UFZ); GERDTS, Gunnar (AWI); SCHLOTER, Michael (HMGU); SCHURR, Ulrich (FZJ)

Session Classification: Breakout Sessions

Contribution ID: **16**

Type: **not specified**

CCA MOSES

Monday 15 May 2023 14:15 (1h 30m)

Presentation of cross-compartment and cross-scale observation for meteorological and hydrological extremes: MOSES deployments are presented using the examples of the Swabian campaigns 2021/2023 and recent campaigns along the continuum river-estuary-ocean.

Presenters: BORCHARDT, Dietrich (UFZ); KNIPPERTZ, Peter (KIT); FISCHER, Philipp (AWI); VOROGUSHYN, Sergiy (GFZ); WEBER, Ute (UFZ)

Session Classification: Breakout Sessions

Contribution ID: 17

Type: **not specified**

Plenary 4: Welcome Day 2

Tuesday 16 May 2023 09:00 (10 minutes)

by Deputy Program Spokesperson and Vice President of the Research Field Earth and Environment

Presenters: DEVEY, Colin (GEOMAR); MATTHES, Katja (GEOMAR)

Contribution ID: **18**

Type: **not specified**

Plenary 6: SynCom

Tuesday 16 May 2023 10:30 (1h 30m)

SynCom mission and aims, presentations of SynCom pilot projects and new SynCom projects, panel discussion “SynCom: Better together” with Antje Boetius, Kathleen A. Mar, Sabine Attinger, and Laurens Bouwer, Q&A

Presenters: ESCHER, Beate (UFZ); KUHLCHE, Christian (UFZ); SACHSE, Dirk (GFZ); HODAPP, Dorothee (AWI); MATTHES, Katja (GEOMAR); HEIDENREICH, Marie (Head of SynCom Coordination Office); SCHWEIZER, Pia-Johanna (RIFS); VOROGUSHYN, Sergiy (GFZ); JUNG, Thomas (AWI)

Contribution ID: **19**

Type: **not specified**

PO1: Atmospheric forecast - improved predictive skills of weather and climate

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: HaPe Schmid (KIT), Gerrit Lohmann (AWI)

Session Classification: Poster Session 1

Contribution ID: 20

Type: **not specified**

PO2 & 3: Climate mitigation and adaptation - better cope with the impact of climate change

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Daniela Jacob (hereon), Gerrit Lohmann (AWI), Thomas Jung (AWI), Sabine Attinger (UFZ), Anja Engel (GEOMAR)

Session Classification: Poster Session 1

Contribution ID: 22

Type: **not specified**

PO4: Geohazard forecast - reduce the negative impact of natural hazards

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Colin Devey (GEOMAR), Fabrice Cotton (GFZ)

Session Classification: Poster Session 1

Contribution ID: 23

Type: **not specified**

PO5: Urban Risk - increase urban quality of life and resilience

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Fabrice Cotton (GFZ), Bernd Hansjürgens (UFZ)

Session Classification: Poster Session 1

Contribution ID: 24

Type: **not specified**

PO6: Ecosystem services - sustain ecosystem services and biodiversity

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Anja Engel (GEOMAR), Beate Escher (UFZ)

Session Classification: Poster Session 1

Contribution ID: 25

Type: **not specified**

PO7: Food, land and water quality - ensuring availability of food and water

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Michael Bott (FZJ)

Session Classification: Poster Session 1

Contribution ID: 26

Type: **not specified**

PO8: Natural resources - using resources for sustainable circular economy

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Hauke Harms (UFZ), Sarah Gleeson (GFZ), Michael Bott (FZJ)

Session Classification: Poster Session 1

Contribution ID: 27

Type: **not specified**

PO9: Environmental pollution - protecting the environment and humans from chemical pollution

Monday 15 May 2023 10:45 (2 hours)

Responsible from Program Board: Beate Escher (UFZ), Thomas Leisner (KIT)

Session Classification: Poster Session 1

Contribution ID: 42

Type: **not specified**

Introduction to InnoPool Project

Tuesday 16 May 2023 09:10 (5 minutes)

Presenter: DEVEY, Colin (GEOMAR)

Session Classification: Plenary 5: Presentation of InnoPool Projects

Contribution ID: 43

Type: **not specified**

CARF REKLIM

Monday 15 May 2023 14:15 (1h 30m)

The Helmholtz climate initiative REKLIM is a research network of competence-driven modules. REKLIM produces and disseminates regional climate change information for societal use. REKLIM addresses the complete chain from knowledge generation to action. Here, we invite colleagues to learn more about REKLIM and to participate in its further development.

Presenters: BRAESICKE, Peter (KIT); GROSFELD, Klaus (AWI); TREFFEISEN, Renate (AWI)

Session Classification: Breakout Sessions

Contribution ID: 45

Type: **not specified**

Plenary 8: Introduction to ECR presentations

Tuesday 16 May 2023 14:20 (10 minutes)

Presenter: HEGGLIN, Michaela (FZJ)

Contribution ID: 47

Type: **not specified**

AWI: PhD Student Prize Winner 2022

Tuesday 16 May 2023 14:30 (13 minutes)

“Breaking the ice” - How important are sea ice dynamics for the thickness of Arctic sea ice?

Presenter: VON ALBEDYLL, Luisa (AWI)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 48

Type: **not specified**

FZJ: ERC Starting Grant 2022

Tuesday 16 May 2023 14:43 (13 minutes)

Household Chemicals Amplifying Urban Aerosol Pollution

Presenter: GKATZELIS, Georgios (FZJ)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 49

Type: **not specified**

GEOMAR: Emmy Noether Programm

Tuesday 16 May 2023 14:56 (13 minutes)

Revealing deep-sea biodiversity and foodwebs in a changing ocean

Presenter: HOVING, Henk-Jan (GEOMAR)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 50

Type: **not specified**

GFZ: Helmholtz PdD Prize Winner RF EaE 2022

Tuesday 16 May 2023 15:09 (13 minutes)

Real-time earthquake assessment: How machine learning improves earthquake early warning

Presenter: MÜNCHMEYER, Jannes (GFZ)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 51

Type: **not specified**

Hereon: Helmholtz Young Investigator Group

Tuesday 16 May 2023 15:22 (13 minutes)

Uncertain Water Resources under Global Change

Presenter: GREVE, Peter (Hereon)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 52

Type: **not specified**

KIT: ERC Starting Grant 2022

Tuesday 16 May 2023 15:35 (13 minutes)

ASPIRE - Advancing Subseasonal Predictions at Reduced computational Effort

Presenter: QUINTING, Julian (KIT)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 53

Type: **not specified**

UFZ: Helmholtz PhD Prize Winner RF EaE 2022

Tuesday 16 May 2023 15:48 (13 minutes)

Merging the carboxylate and syngas platforms to solve the biorefinery dilemma

Presenter: BALEEIRO, Flávio (UFZ)

Session Classification: Presentations by Early Career Researchers (ECRs)

Contribution ID: 54

Type: **not specified**

Digital Twins for Geohazards

Monday 15 May 2023 14:15 (1h 30m)

- Presentation of the HE DT-GEO project in which several Geo-Hazard Digital Twin Components have to be developed (Volcanology, Earthquake Physics as well as Tsunami Twin). DT-GEO is an initiative of Geo.8.
- Discussion about the possible coupling between DT-GEO and similar initiatives within the Helmholtz community.
- Further discussion topics: What comes after DT-GEO towards Destination Earth? How can Helmholtz centers strengthen their presence in the future? How do we best integrate ourselves into Destination Earth?

Presenter: BABEYKO, Andrey (GFZ)

Session Classification: Breakout Sessions

Contribution ID: 55

Type: **not specified**

Plenary 2: Introduction to Breakout Sessions

Monday 15 May 2023 14:00 (15 minutes)

Presenter: ESCHER, Beate (UFZ)

Contribution ID: 57

Type: **not specified**

777 - personnel concept PoF IV

Monday 15 May 2023 16:00 (1h 45m)

On behalf of the Research Field „Earth and Environment“ seven Helmholtz centers have established seven novel joint activities for talent management und career development. We are going to pay special attention to the upcoming events and programs with open slots for participation.

Presenters: BREMER, Peter (KIT); ALTENBERND-LANG, Tabea (AWI)

Session Classification: Ideas Market

Contribution ID: 58

Type: **not specified**

AWI INSPIRES

Monday 15 May 2023 16:00 (1h 45m)

AWIs International Science Program for Integrative Research in Earth Systems

Presenter: KEGEL, Jessica (AWI)

Session Classification: Ideas Market

Contribution ID: 59

Type: **not specified**

MOSES

Monday 15 May 2023 16:00 (1h 45m)

From heavy precipitation to flood: what measurements and models do we need for successful forecasts? New developments and ideas will be presented using the examples of current MOSES campaigns and recent extreme events in Germany.

Presenter: WEBER, Ute (UFZ)

Session Classification: Ideas Market

Contribution ID: 60

Type: **not specified**

Advancing AI in Earth & Environment

Monday 15 May 2023 16:00 (1h 45m)

Over the past years, the Helmholtz AI Consultants for Earth and Environment have provided extensive support to a wide range of research projects across the programme topics, including applications of AI/ML in Earth System Modelling, remote sensing, seismology and marine sciences.

Presenters: GREENBERG, David (Hereon); WEIGEL, Tobias (DKRZ)

Session Classification: Ideas Market

Contribution ID: **61**

Type: **not specified**

SAFAtor

Monday 15 May 2023 16:00 (1h 45m)

“SMART Cables and Fibre-optic Sensing Amphibious Monitor” investment seeks to revolutionise Earth monitoring capability by harnessing submarine and urban telecommunications infrastructure

Presenter: TILMANN, Frederik (GFZ)

Session Classification: Ideas Market

Contribution ID: 62

Type: **not specified**

Knowledge and Technology Transfer

Monday 15 May 2023 16:00 (1h 45m)

Presenters: SCHULZE, Birgit (KIT); WENZEL, Lisa (GFZ); WOITERSKI, Lydia (UFZ); SYLLA, Ulrike (GFZ)

Session Classification: Ideas Market

Contribution ID: **63**

Type: **not specified**

Geo-INQUIRE

Monday 15 May 2023 16:00 (1h 45m)

Geosphere INfrastructures for QUestions into Integrated Research

Presenter: COTTON, Fabrice (GFZ)

Session Classification: Ideas Market

Contribution ID: **64**

Type: **not specified**

GeoLaB

Monday 15 May 2023 16:00 (1h 45m)

Future with Geothermal Energy

Presenters: RUDOLPH, Bastian (KIT); SCHILL, Eva (KIT); ZIMMERMANN, Günter (GFZ); SASS, Ingo (GFZ); SCHÄTZLER, Katharina (KIT)

Session Classification: Ideas Market

Contribution ID: 65

Type: **not specified**

RIFS

Monday 15 May 2023 16:00 (1h 45m)

Institute for Transformative Sustainability Research

Presenter: TANG & RIFS-TEAM, Matthias (RIFS)

Session Classification: Ideas Market

Contribution ID: 66

Type: **not specified**

Helmholtz Imaging

Monday 15 May 2023 16:00 (1h 45m)

Helmholtz Imaging is the overarching platform to better leverage and make accessible to everyone the innovative modalities, methodological richness, and data treasures of the Helmholtz Association. Helmholtz Imaging covers the whole process from data acquisition and data preparation to data management and data analysis.

Presenters: KLEIN, Lukas (Helmholtz Imaging); ZIEGLER, Sebastian (Helmholtz Imaging)

Session Classification: Ideas Market

Contribution ID: 67

Type: **not specified**

Crossing borders:

Monday 15 May 2023 16:00 (1h 45m)

The Geo.X/NFDI4Earth Academy's concept to empower interdisciplinary scientists of tomorrow

Presenters: GÖDDE, Hilde (GFZ); KUPPLER, Jonas (GFZ)

Session Classification: Ideas Market

Contribution ID: **68**

Type: **not specified**

Polar Sounds

Monday 15 May 2023 16:00 (1h 45m)

50 sound clips from the Arctic and Antarctic oceans have been available to sound artists as well as musicians from all over the world for composition since last late summer. Now, the resulting creatively interpreted pieces have been released at <https://citiesandmemory.com/polar-sounds/>.

Presenter: VAN OPZEELAND, Ilse (AWI)

Session Classification: Ideas Market

Contribution ID: **69**

Type: **not specified**

DeepDyn

Monday 15 May 2023 16:00 (1h 45m)

A new DFG Priority Programme to reconstruct Earth's deep dynamics

Presenter: KORTE, Monika (GFZ)

Session Classification: Ideas Market

Contribution ID: 70

Type: **not specified**

Taking the pulse of the Southern Ocean

Monday 15 May 2023 16:00 (1h 45m)

An internationally coordinated, circumpolar, and year-round mission

Presenter: ARNDT, Stefanie (AWI)

Session Classification: Ideas Market

Contribution ID: 71

Type: **not specified**

"Iceland"

Monday 15 May 2023 16:00 (1h 45m)

Hazard and Resources in Reykjanes, Hengill, Theistareykir and Krafla, Iceland

Presenter: RODRÍGUEZ TRIBALDOS, Verónica (GFZ)

Session Classification: Ideas Market

Contribution ID: 72

Type: **not specified**

The Helmholtz Earth & Environment DataHub

Monday 15 May 2023 16:00 (1h 45m)

On a way to FAIR and sustainable data management

Presenters: LORENZ, Christof (KIT); BARTHLOTT, Sabine (KIT)

Session Classification: Ideas Market

Contribution ID: 73

Type: **not specified**

FUTURO

Monday 15 May 2023 16:00 (1h 45m)

An all-season multiscale research campaign on the future evolution of the coastal upwelling system off West Africa

Presenter: FIEDLER, Björn (GEOMAR)

Session Classification: Ideas Market

Contribution ID: 74

Type: **not specified**

Next generation toxicity tests

Monday 15 May 2023 16:00 (1h 45m)

Imaging is a central aspect of automation in toxicity testing - supporting the goal to increase the throughput and content in bioanalytical assessment of the many still uncharacterised chemicals in commerce. Both KIT and UFZ have developed tools to support imaging and automation in alternative test systems ranging from automated specimen positioning and video recording, facilitated labelling and machine learning-driven semantic segmentation to automated workflows to derive effect concentrations and patterns.

Presenters: NYFFELER, Jo (UFZ); REISCHL, Markus (KIT); SCHOLZ, Stefan (UFZ); STOJANOVSKA, Violeta (UFZ)

Session Classification: Ideas Market

Contribution ID: 75

Type: **not specified**

Investigation of the atmosphere with weather balloons

Monday 15 May 2023 16:00 (1h 45m)

Atmospheric moisture, instability, and lift are the key ingredients necessary for the formation of heavy rain-producing clouds. We will present three different instrument combination (payloads) measuring atmospheric profiles on a weather balloon.

Presenter: ROLF, Christian (FZJ)

Session Classification: Ideas Market

Contribution ID: 77

Type: **not specified**

IAGOS-CARIBIC

Monday 15 May 2023 16:00 (1h 45m)

High-tech laboratory on board an Airbus A350 by Lufthansa

Presenter: ZAHN, Andreas (KIT)

Session Classification: Ideas Market

Contribution ID: 78

Type: **not specified**

Gridded Profile Soil Moisture

Monday 15 May 2023 16:00 (1h 45m)

through Artificial Intelligence

Presenter: SCHMIDT, Toni (UFZ)

Session Classification: Ideas Market

Contribution ID: 79

Type: **not specified**

The LandTrans Simulator:

Monday 15 May 2023 16:00 (1h 45m)

A modular system of SMART terrestrial models

Presenter: TAUBERT, Franziska (UFZ)

Session Classification: Ideas Market

Contribution ID: **80**

Type: **not specified**

Microplastics and Nanoplastics” (M&Ns)

Monday 15 May 2023 16:00 (1h 45m)

Presenters: JAHNKE, Annika (UFZ); MATERIC, Dusan (UFZ)

Session Classification: Ideas Market

Contribution ID: **81**

Type: **not specified**

Experimental house

Monday 15 May 2023 16:00 (1h 45m)

for a bio-inspired, climate and human friendly, resource efficient architecture

Presenter: HAMM-DUBISCHAR, Christian (AWI)

Session Classification: Ideas Market

Contribution ID: 82

Type: **not specified**

PO1: Atmospheric forecast - improved predictive skills of weather and climate

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: HaPe Schmid (KIT), Gerrit Lohmann (AWI)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: 83

Type: **not specified**

PO2 & 3: Climate mitigation and adaptation - better cope with the impact of climate change

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Daniela Jacob (hereon), Gerrit Lohmann (AWI), Thomas Jung (AWI), Sabine Attinger (UFZ), Anja Engel (GEOMAR)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: 84

Type: **not specified**

PO4: Geohazard forecast - reduce the negative impact of natural hazards

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Colin Devey (GEOMAR), Fabrice Cotton (GFZ)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: 85

Type: **not specified**

PO5: Urban Risk - increase urban quality of life and resilience

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Fabrice Cotton (GFZ), Bernd Hansjürgens (UFZ)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: 86

Type: **not specified**

PO7: Food, land and water quality - ensuring availability of food and water

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Michael Bott (FZJ)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: 87

Type: **not specified**

PO8: Natural resources - using resources for sustainable circular economy

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Hauke Harms (UFZ), Sarah Gleeson (GFZ), Michael Bott (FZJ)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: **88**

Type: **not specified**

PO9: Environmental pollution - protecting the environment and humans from chemical pollution

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Beate Escher (UFZ), Thomas Leisner (KIT)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)

Contribution ID: **89**

Type: **not specified**

PO6: Ecosystem services - sustain ecosystem services and biodiversity

Tuesday 16 May 2023 13:00 (1h 20m)

Responsible from Program Board: Anja Engel (GEOMAR), Beate Escher (UFZ)

Session Classification: Poster Session 2: Posters grouped by Program Objectives (open session)