

IP Freshwaters, Summer Workshop

Report of Contributions

Contribution ID: 6

Type: **not specified**

AssessStress & DECIPHER: Reactive macronutrient ratios determine benthic and hyporheic biofilm structure and function in a stream mesocosm experiment

Wednesday 30 August 2023 13:30 (30 minutes)

Primary author: GROSSE, Anika (UFZ-ASAM)

Co-authors: GRAEBER, Daniel (UFZ-ASAM); FINK, Patrick (UFZ-FLOEK/ASAM)

Presenter: GROSSE, Anika (UFZ-ASAM)

Session Classification: Plenary:New findings / highlights from the PPs

Contribution ID: 7

Type: **not specified**

S4W: BIGFE - Recording of water quality and water area extent of inland waters by remote sensing

Wednesday 30 August 2023 14:00 (30 minutes)

Primary author: SCHMIDT, Susanne (UFZ-SEEF)

Co-author: SCHRÖDER, Tanja (UFZ-SEEF)

Presenter: SCHMIDT, Susanne (UFZ-SEEF)

Session Classification: Plenary:New findings / highlights from the PPs

Contribution ID: 8

Type: **not specified**

EMPLACE & WatQ2E: Groundwater head responses to droughts across Germany

Wednesday 30 August 2023 14:30 (30 minutes)

Presenter: EBELING, Pia (UFZ-HDG)

Session Classification: Plenary:New findings / highlights from the PPs

Contribution ID: 9

Type: **not specified**

BIOFUN: Different responses of biological structures and functions to hydromorphological restoration in stream

Wednesday 30 August 2023 15:00 (30 minutes)

Presenter: FINK, Patrick (ASAM/FLOEK)

Session Classification: Plenary:New findings / highlights from the PPs

Contribution ID: **10**

Type: **not specified**

DYNAMO: Introduction

Wednesday 30 August 2023 11:30 (5 minutes)

Presenter: MUSOLFF + PIS, Andreas (UFZ-HDG)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 11

Type: **not specified**

An integrated analysis of water age metrics for contrasting sub-catchments in the Harz mountains, Central Germany

Wednesday 30 August 2023 11:35 (10 minutes)

Presenter: RADTKE, Christina (UFZ-CATHYD)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 12

Type: **not specified**

Enhancing water transit time estimation: exploring model structure and input uncertainty

Wednesday 30 August 2023 11:45 (10 minutes)

Presenter: BORRIERO, Arianna (UFZ-HDG)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 13

Type: **not specified**

Effects of hydrological events on solute mobilization and delivery in German river catchments

Wednesday 30 August 2023 11:55 (10 minutes)

Presenter: SAAVEDRA, Felipe (HDG-CATHYD)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 14

Type: **not specified**

How reservoirs alter nutrient export from catchments

Wednesday 30 August 2023 12:05 (10 minutes)

Presenter: SHATWELL (ON BEHALF OF MARIA DETERMANN), Tom (UFZ-SEEFO)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 15

Type: **not specified**

DYNAMO: Synthesis

Wednesday 30 August 2023 12:15 (10 minutes)

Presenter: MUSOLFF + PIS, Andreas (UFZ-HDG)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 16

Type: **not specified**

Final discussion and closing

Wednesday 30 August 2023 12:25 (5 minutes)

Presenter: MUSOLFF + PIS, Andreas (UFZ-HDG)

Session Classification: Plenary: Achievements and lessons learned in DYNAMO

Contribution ID: 17

Type: **not specified**

The connectivity of floodplain lakes and their resilience to drought - Overwiev of the Elbe Floodplain (Coder, Luisa - SEEFO)

Wednesday 30 August 2023 16:00 (5 minutes)

Session Classification: Mingle activity

Contribution ID: **18**

Type: **not specified**

Integrated numerical modeling to quantify transport and fate of microplastics in the hyporheic zone (Fleckenstein, Jan - HDG)

Wednesday 30 August 2023 16:05 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 19

Type: **not specified**

**Assessing impacts of agricultural practices on
instream food webs and water quality by
innovatively linking remote sensing and
hydro-ecological modelling (Frank, Karin - OESA)**

Wednesday 30 August 2023 16:10 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 20

Type: **not specified**

**Combining ultra-high resolution mass spectrometry
of dissolved organic matter with liquid
chromatography to evaluate key components
(Herzsprung, Peter - SEEFO)**

Wednesday 30 August 2023 16:15 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 21

Type: **not specified**

Empirical large-scale evidence of algae growth control in rivers: Is TP a good management factor? (Hubig, Alexander - HDG)

Wednesday 30 August 2023 16:20 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 22

Type: **not specified**

Improving an existing proxy-based approach for floodplain denitrification assessment to facilitate decision making on restoration (Kaden, Susanne Ute - NSF)

Wednesday 30 August 2023 16:25 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 23

Type: **not specified**

Agricultural Land Use impact on stream ecosystems (Project: OperaSOS) (Kindinger, Alina - FLOEK)

Wednesday 30 August 2023 16:30 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 24

Type: **not specified**

Comprehensive assessment of flood socioeconomic impacts through text-mining (Madruga de Brito Mariana - SUSOZ)

Wednesday 30 August 2023 16:35 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 25

Type: **not specified**

Linking organic matter & microbial activity to phosphorus buffering in floodplain lakes (Meyer, Michele - FLOEK)

Wednesday 30 August 2023 16:40 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 26

Type: **not specified**

Drought impacts on the nitrogen dynamics in a mesoscale watershed in Central Europe –insights from stable isotope investigations (Müller, Christin - CATHYD)

Wednesday 30 August 2023 16:45 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 27

Type: **not specified**

Long-term, high-frequency concentration-discharge relationships reveal altering nutrient sources in a headwater catchment affected by forest dieback (Musolff, Andreas - HDG)

Wednesday 30 August 2023 16:50 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 28

Type: **not specified**

Simulation of Flow and Reactive Transport of Gas and Solutes - NitratLurch Project (Nogueira, Guilherme - HDG)

Wednesday 30 August 2023 16:55 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 29

Type: **not specified**

Nitrate transport and hydrological extremes (saavedra, Felipe - CATHYD)

Wednesday 30 August 2023 17:00 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 30

Type: **not specified**

S4W: Quality known-Achievements and perspectives for water quality information services (Schmidt, Christian - HDG)

Wednesday 30 August 2023 17:05 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 31

Type: **not specified**

Thresholds for phosphorus driven eutrophication of stream biofilms - a MOBICOS experiment (Ullah. Rizwan - FLOEK)

Wednesday 30 August 2023 17:10 (5 minutes)

Session Classification: Mingle activity

Contribution ID: 32

Type: **not specified**

From Characterizing Spatiotemporal Variation in Surface Water Pollution to Evaluating Event-type-based Hydrological Model (Wang, Zhenyu - CATHYD

Wednesday 30 August 2023 17:15 (5 minutes)

Session Classification: Mingle activity