

EOS7.10

Open Hydrology: Advances towards fully reproducible, re-usable and collaborative research methods in Hydrology

Co-organized by HS1.2

Convener: Remko C. Nijzink

Co-conveners: Niels Drost, Francesca Pianosi, Stan Schymanski

[Displays](#) | Chat Mon, 04 May, 16:15–18:00

Rules for the Chat for this session

- We will only discuss one display at a time.
- The conveners will introduce each display.
- Authors are asked to provide a short opening statement for their display (e.g. the topic of their display, the takehome message, or a single sentence summary)
- The floor is then open for discussion on this display.
- After about 5 minutes of chat time, we will switch to the next display.
- Please refrain from discussing an abstract currently not on display.

Note that you can post questions and comments on the page of each display, in case you would like to discuss further.

Displays in this session

D3913 |

EGU2020-9924

[On doing Hydrology with Lions](#)

Thorsten Wagener

D3914 |

EGU2020-2767

[‘Drop a catchment and receive model output’: introduction to an open-source R-Package to model the water balance wherever you want](#)

Ivan Vorobeuskii and Rico Kronenberg

D3915 |

EGU2020-4804

[OPeNDAP-based access for PCR-GLOBWB input files](#)

Edwin Sutanudjaja, Egbert Gramsbergen, Paula Martinez Lavanchy, Annemiek van der Kuil, Jan van der Heul, Vincent Brunst, Otto Lange, Oliver Schmitz, and Niko Wanders

D3916 |

EGU2020-5110

[SuperflexPy: a new open source framework for building conceptual hydrological models](#)

Marco Dal Molin, Dmitri Kavetski, and Fabrizio Fenicia

D3917 |
EGU2020-6720

[Large-sample hydrology to foster open and collaborative research: a review of recent progress and grand challenges](#)

Gemma Coxon, Nans Addor, Camila Alvarez-Garreton, Hong X. Do, Keirnan Fowler, and Pablo A. Mendoza

D3918 |
EGU2020-7349

[The emergence of community models in hydrology](#)

Nans Addor, Martyn P. Clark, and Brian Henn

D3919 |
EGU2020-9177

[Open and reproducible science: from theory to equations, algorithms and plots](#)

Stan Schymanski and Jiří Kunčar

D3920 |
EGU2020-9228

[A repeatable and reproducible modelling workflow using the Vegetation Optimality Model and RENKU](#)

Remko Nijzink, Chandrasekhar Ramakrishnan, Rok Roskar, and Stan Schymanski

D3921 |
EGU2020-11495

[The eWaterCycle platform for FAIR and Open Hydrological Modeling](#)

Niels Drost, **Jaro Camphuijsen**, Rolf Hut, Nick Van De Giesen, Ben van Werkhoven, Jerom P.M. Aerts, Inti Pelupessy, Berend Weel, Stefan Verhoeven, Ronald van Haren, Eric Hutton, Maarten van Meersbergen, Fakhreeh Alidoost, Gijs van den Oord, Yifat Dzigan, Bouwe Andela, and Peter Kalverla

D3922 |
EGU2020-12488

[The Basic Model Interface 2.0: A standard interface for coupling numerical models and data in the hydrologic sciences](#)

Eric Hutton, Mark Piper, Tian Gan, and Greg Tucker

D3923 |
EGU2020-15377

[Interfacing FORTAN Code with Python: an example for the Hydrus-1D model](#)

Raoul Collenteur, Matevz Vremec, and Giuseppe Brunetti

D3924 |

EGU2020-15488

[V-FOR-WaTer – a virtual research environment to access and process environmental data](#)

Marcus Strobl, Elnaz Azmi, Sibylle K. Hassler, Mirko Mälicke, Jörg Meyer, and Erwin Zehe

D3925 |

EGU2020-18922

[Interactive exploration of fluvial futures](#)

Menno Straatsma, Edwin Sutanudjaja, and Oliver Schmitz

D3926 |

EGU2020-20790

[Developing and documenting a Hydrological Model for reproducible research: A new version of Dynamic TOPMODEL](#)

Paul Smith, Keith Beven, Ann Kretzschmar, and Nick Chappell