

Presentations by the Utrecht Global Hydrology Group at EGU 2018

[EGU2018-10047](#) | Orals | [HS4.6/CL3.13](#)

High-resolution hydrological seasonal forecasting for water resources management over Europe

[Niko Wanders](#), Louise Arnal, Ming Pan, Ilias Pechlivanidis, Stephan Thober, Carlo Buontempo, Louise Crochemore, Shaun Harrigan, Rohini Kumar, Christel Prudhomme, Luis Samaniego, Katie Smith, and Eric Wood
Mon, 09 Apr, 14:15–14:30, Room 2.15

[EGU2018-8294](#) | PICO | [HS1.2](#)

Observing the human influence on hydrological drought

[Sally Rangecroft](#), Anne Van Loon, Tom Gleeson, [Niko Wanders](#), Giuliano Di Baldassarre, and Henny Van Lanen
Mon, 09 Apr, 15:30–15:32, PICO spot 5b

[EGU2018-2813](#) | Orals | [HS2.1.2](#)

A global assessment of the maximum depth of economically recoverable groundwater when used for irrigation

[Marc F.P. Bierkens](#), Inge E.M de Graaf, Tom Gleeson, and [L.P.H. \(Rens\) van Beek](#)
Wed, 11 Apr, 10:30–10:45, Room 2.15

[EGU2018-1323](#) | Orals | [HS2.1.2](#)

Bridging scales: comparing the human influence on streamflow drought in global-scale models and catchment-scale observations

[Anne Van Loon](#), Sally Rangecroft, [Niko Wanders](#), Ted Veldkamp, Inge De Graaf, Marjolein Van Huijgevoort, Daniel Power, and Henny Van Lanen
Wed, 11 Apr, 10:45–11:00, Room 2.15

[EGU2018-4975](#) | Orals | [HS1.17](#)

Sense and nonsense of representing the root zone in global hydrological models

[Ruud van der Ent](#), Rens van Beek, Edwin Sutanudjaja, Lan Wang-Erlandsson, Tim Hessels, Wim Bastiaanssen, and [Marc Bierkens](#)
Wed, 11 Apr, 16:30–16:45, Room C

[EGU2018-8787](#) | Posters | [HS1.17](#)

GLOFRIM 2.0 - Assessing the impact of coupling hydrologic, hydrodynamic, and groundwater models on large-scale inundation estimates

[Edwin Sutanudjaja](#), [Jannis Hoch](#), [Rens van Beek](#), Hessel Winsemius, Jeff Neal, Paul Bates, and [Marc Bierkens](#)

Wed, 11 Apr, 17:30–19:00, Hall A, A.18

[EGU2018-8682](#) | Posters | [NH9.10/GMPV6.10/HS11.42/SM3.16/SSS13.62](#)

The role of routing - implementing a global routing model into a framework for integrated hydrologic-hydrodynamic inundation modelling

[Jannis Hoch](#), Hiroaki Ikeuchi, Dirk Eilander, Fedor Baart, Hessel Winsemius, [Rens van Beek](#),

and [Marc Bierkens](#)

Wed, 11 Apr, 17:30–19:00, Hall X1, X1.195

[EGU2018-14219](#) | Orals | [HS2.4.1](#)

Scenarios of Socio-Economic and Climate Change and Their Impact on the Simulated Global Hydrological Response

[Rens van Beek](#), Arno Bouwman, Stefan van der Esch, and [Marc Bierkens](#)

Thu, 12 Apr, 11:45–12:00, Room C

[EGU2018-10087](#) | Posters | [HS2.1.1](#)

A 2000 year drought dataset for present-day and 2K temperature increase

[Niko Wanders](#), Karin van der Wiel, Frank Selten, and [Marc Bierkens](#)

Fri, 13 Apr, 17:30–19:00, Hall A, A.45

[EGU2018-6242](#) | Posters | [HS5.3](#)

The shadow price of non-renewable groundwater

[Marc F.P. Bierkens](#), Stijn Reinhard, Jens de Bruijn, and Yoshihide Wada

Thu, 12 Apr, 17:30–19:00, Hall A, A.154

[EGU2018-5518](#) | Orals | [HS2.1.1](#)

Elucidating the impact of global warming levels to agricultural droughts in Europe

[Luis Samaniego](#), Stephan Thober, Rohini Kumar, [Niko Wanders](#), Oldrich Rakovec, Ming Pan, Justin Sheffield, Eric Wood, and Andreas Marx

Fri, 13 Apr, 16:45–17:00, Room C

[EGU2018-1152](#) | Posters | [HS2.1.1](#)

Impacts of human interventions on the dynamics of the water cycle and its extremes at the European scale – a study based on the ISIMIP2 model runs

[Sigrid Joergensen Bakke](#), [Niko Wanders](#), Christel Prudhomme, and Lena Merete Tallaksen

Fri, 13 Apr, 17:30–19:00, Hall A, A.15