



HAL
open science

Role-play games, experiments, workshops, blog posts: how community activities in HEPEX contribute to advance hydrologic ensemble prediction

Maria-Helena Ramos, Fredrik Wetterhall, Andy Wood, Q. J. Wang, Florian Pappenberger, Jan Verkade

► **To cite this version:**

Maria-Helena Ramos, Fredrik Wetterhall, Andy Wood, Q. J. Wang, Florian Pappenberger, et al.. Role-play games, experiments, workshops, blog posts: how community activities in HEPEX contribute to advance hydrologic ensemble prediction. EGU General Assembly 2017, Apr 2017, Vienna, Austria. Geophysical Research Abstracts, 19, pp.1, 2017. hal-02606260

HAL Id: hal-02606260

<https://hal.inrae.fr/hal-02606260v1>

Submitted on 16 May 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Role-play games, experiments, workshops, blog posts: how community activities in HEPEX contribute to advance hydrologic ensemble prediction

Maria-Helena Ramos (1), Fredrik Wetterhall (2), Andy Wood (3), Qj Wang (4), Florian Pappenberger (2), and Jan Verkade (5)

(1) Irstea, Hydrology Research Group, Antony, France, (2) European Centre for Medium Range Weather Forecasts, Reading, United Kingdom, (3) National Center for Atmospheric Research, Boulder, USA, (4) CSIRO Land and Water, Clayton, Australia, (5) Deltares, Delft, The Netherlands

Since 2004, HEPEX (Hydrologic Ensemble Prediction Experiment) has been fostering a community of researchers and practitioners around the world. Through the years, it has contributed to establish a more integrative view of hydrological forecasting, where data assimilation, hydro-meteorological modelling chains, post-processing techniques, expert knowledge, and decision support systems are connected to enhance operational systems and water management applications. Here we present the community activities in HEPEX that have contributed to strengthening this unfunded/volunteer effort for more than a decade. It includes the organization of workshops, conference sessions, testbeds and inter-comparison experiments. More recently, HEPEX has also prompted the development of several publicly available role-play games and, since 2013, it has been running a blog portal (www.hepex.org), which is used as an intersection point for members. Through this website, members can continuously share their research, make announcements, report on workshops, projects and meetings, and hear about related research and operational challenges. It also creates a platform for early career scientists to become increasingly involved in hydrological forecasting science and applications.