HEPEX

Connecting the dots in hydrologic ensemble predictions

2020

www.hepex.org

About

- Originally, 'Hydrologic Ensemble Prediction EXperiment'

- Began in 2004: ECMWF workshop jointly organized with the US National Weather Service (NWS) and the European Commission (EC JRC)

- Today, a global community of researchers and practitioners in hydrological ensemble prediction

- An unfunded/volunteer effort since its creation

- It seeks to advance the science and practice of hydrological forecasting and its use in impact- and risk-based decision making

- Several community activities, including workshop organizations, a blog portal, a mailing list and a broad range of online resources (workshop presentations, games, lectures)

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Mission

"To demonstrate the added value of hydrological ensemble prediction for operational water resources management, risk assessment and emergency management to make decisions that have important consequences for economy, environment, and public health and safety."

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At a glance

- >600 subscribers to the mailing list

- Blog running since April 2013
  - Chief editor: Rebecca Emerton (Univ. of Reading)
  - Website administrators: Maria-Helena Ramos (INRAE, host), Fredrik Wetterhall (ECMWF), Jan Verkade (Deltares), Rebecca Emerton (Univ. of Reading)

- An average of 200 views per blog post; 2000 views per month
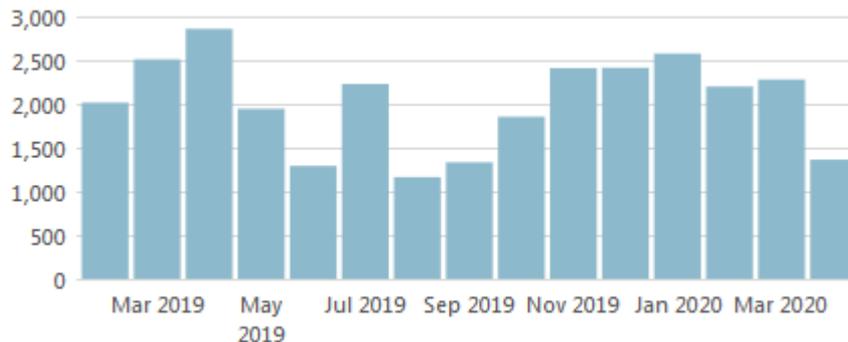
April 2020:

At a Glance

📌 369 Posts

💬 554 Comments

📕 41 Pages

🐦 **#HEPEX**

>3000 Tweets

1148 Followers

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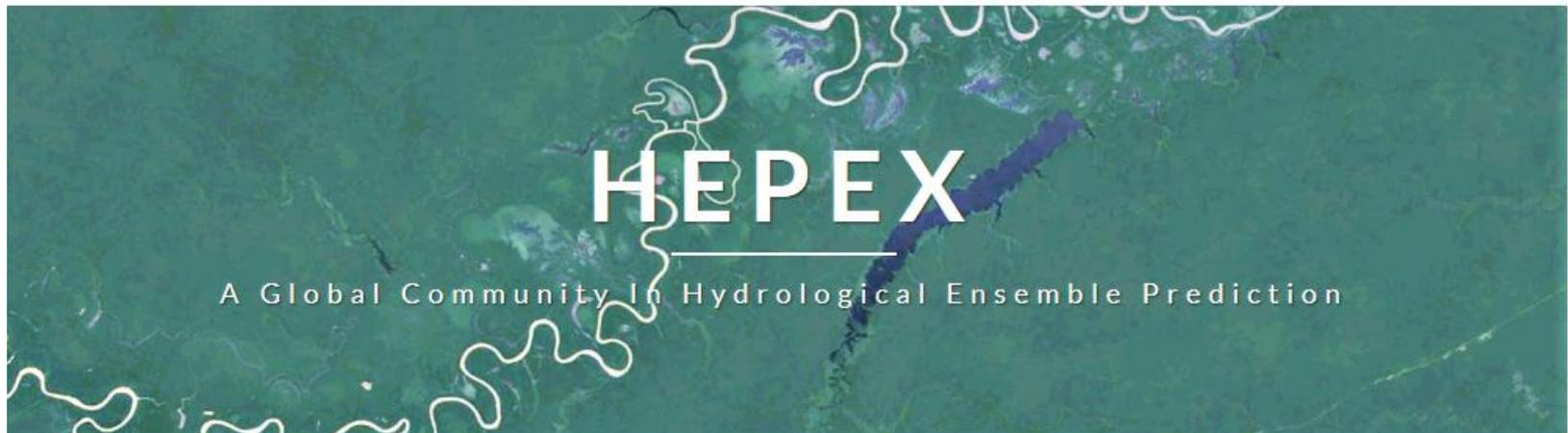
Connecting the dots

- Connecting people, disciplines and efficient techniques

- Fostering global partnerships, sharing knowledge and, at the same time, identifying knowledge gaps on flood forecasting, flood risk and drought management and water resources planning

How do we connect better?
Connecting data service providers and operational forecasters, system developers and forecasters, decision makers and society, etc.

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Enhancing our connections

□ **Seamless forecasting across space and lead times**: an old idea or the new order?

□ **Global, continental, regional and local systems**: where do they meet?

□ **Making global forecasts relevant locally, and local approaches relevant globall**y: a pipe dream?

□ **Communication and visualization:** have we explored all the possibilities? How are ensemble forecasts perceived by different user groups?

□ **Forecast evaluation:** do we understand the quality of our forecasts? Are there best practices to measure the value of the forecasts to the users (stakeholders or society)?

□ **Private sector:** What is their role in setting up operational forecasting systems at different scales?

□ **Link with early career scientists:** have we set the right paradigms in training the new generation of forecasters?

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How to join

- Current Chairs:
  - Marie-Amélie Boucher (Univ. of Sherbrooke, Canada)
  - Ilias Pechlivanidis (SMHI, Sweden)
  - QJ Wang (Univ. of Melbourne, Australia)
  - Fredrik Wetterhall (ECMWF, UK)
  - Andy Wood (UCAR, USA)

- Subscribe to the mailing list:
  - Send an email to **hepex+subscribe@googlegroups.com**

- Visit the website: **www.hepex.org**