SMHI

HEPEX
Hydrologic Ensemble Prediction EXperiment

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What makes a forecast with uncertainty valuable to practitioners? →

HEPEX workshop on seasonal hydrological forecasting

Posted on March 24, 2015 by Fredrik Wetterhall

Seasonal Hydrological Forecasting Workshop

21-23rd September 2015, Norrköping, Sweden

Seasonal forecasting is increasingly becoming part of water management activities and tools. This workshop will bring together researchers, operational forecasters, practitioners and end-users from all around the world to discuss the latest developments in hydrological seasonal forecasts and applications in the water management sector.
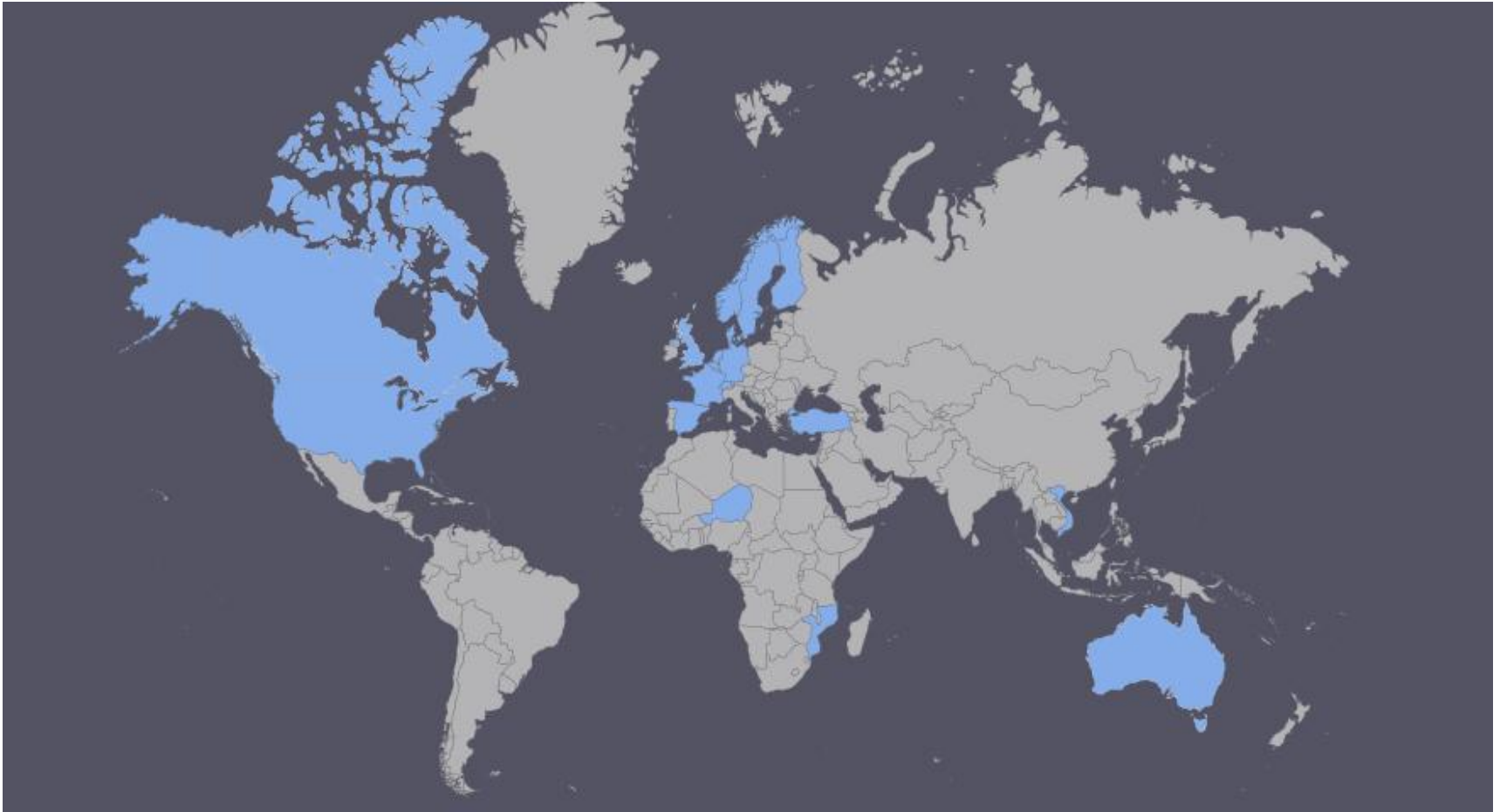
Ilias Pechlivanidis (FoUh, SMHI)

Welcome to SMHI

Support funding:
Swedish energy research centre

Energiforsk

17 countries   **About 55 participants**

Workshop themes

The workshop is organised in 6 themes with panel discussions, oral presentations, poster sessions, and lots of opportunity for discussion and sharing of experience:

1. User needs, communication and decision making

2. Climate and water services using seasonal forecasts

3. Towards operational monthly to seasonal forecasting systems

4. Improving skill of seasonal forecasts

5. Quality and predictability of seasonal predictions

6. Sub-seasonal to seasonal predictions and applications in hydrology

Keynote talks

Upskilling – Uncertainty reduction and representation in seasonal forecasting

By Dr. QJ Wang, senior Principal Research Scientist, CSIRO, Australia:

"I will share with participants on the various methods we have developed to improve forecast skill and reliability, extend forecast range, and make forecast products more tailored to user needs in Australia" *Read more about QJ Wang*

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Hydrological Outlook UK: an operational river flow and groundwater level forecast at monthly to seasonal scale

by Christel Prudhomme, CEH, UK:

"I will talk about the Hydrological Outlook UK, which is the first operational forecast system for Great Britain that delivers monthly outlooks of the water resources for the next 1 to 3 months for both river flow and groundwater levels. It is based on an expert-merging of three complementary methods: a statistical method based on river flow analogue and persistence; a Streamflow Ensemble Prediction System applied to selected catchments and boreholes; and a national hydrological modelling system driven by rainfall scenarios based on the UK Met Office ensemble rainfall 1 and 3 months forecasts." *Read more about C. Prudhomme*

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Processing weather forecasts for hydrological ensemble forecasting and decision making in hydropower

By Erik Tjøtta, Statkraft Energi AS, Norway:

"In the presentation we outline how information from weather forecasts for various horizons can be combined, using quantile mapping, and processed through the models to produce a seasonal hydrological ensemble forecast." *Read more about Erik presentation*

3 rooms are available for discussion:
Almagrundet 24/151 (20)   Nikkaluokta   24/191 (12)   Vuoggatjålme 24/181 (8)

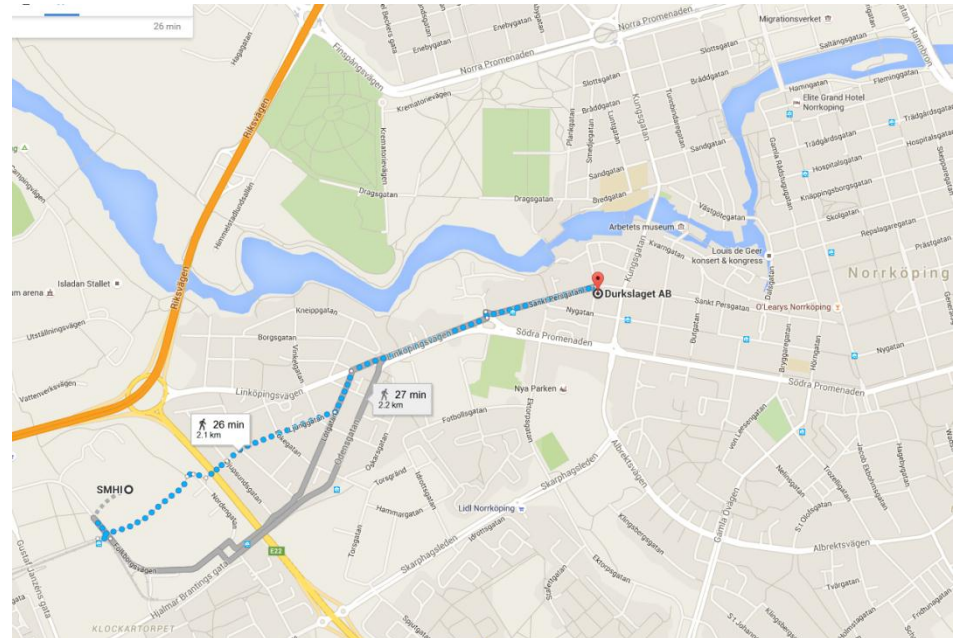**2 visits at SMHI's forecasting centre**
Group I: Day 2 at 17.00 – 18.00
Group II: Day 3 at 12.30 – 13.30

Ice-breaker (today at 17.00)

Dinner (Day 2 at 19.00)
Durkslaget restaurant

Join us:

@ Twitter

Live streaming

Organizing and scientific committee

Ilias Pechlivanidis (SMHI)

Berit Arheimer (SMHI)

Maria-Helena Ramos (IRSTEA)

Fredrik Wetterhall (ECMWF)

Andy Wood (NCAR)

Thank you for your participation
and
Please share your insights with us!!