

Science Objectives and Activities

Scientific Objectives of GHP:

To understand and predict continental to local-scale hydroclimates for hydrologic applications. Addressing the water cycle at these scales allows us to better understand the many components of the system, from its physical to economic to social aspects.

Activities of GHP

**Regional
Hydroclimate
Projects**

**Cross-cut
Projects**

**Global Data
Centers**

**GHP
Networks**

2) Cross-Cuts

*Near 0C Precip CC
INARCH CC
INTENSE CC
TEAMx CC
ET CC

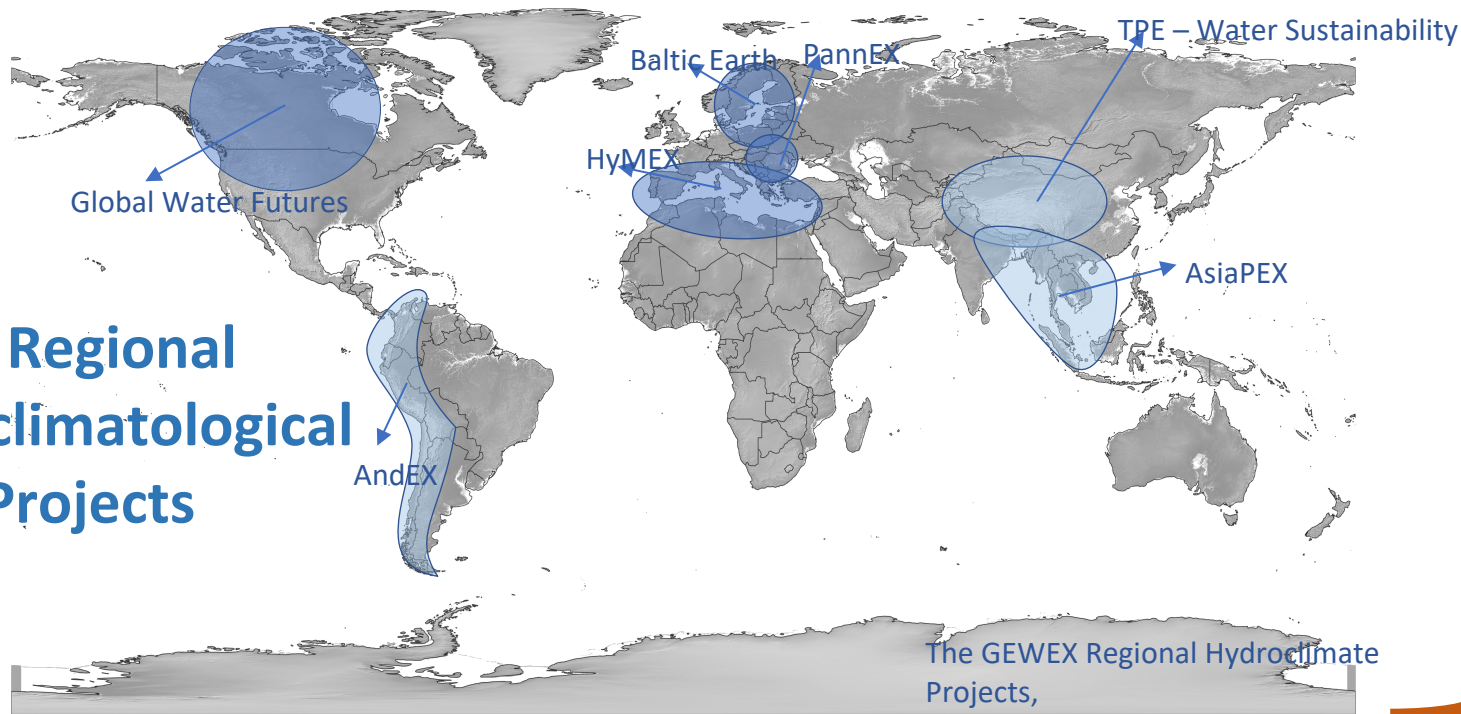
3) Global Data Centers

Global Precipitation
Climatology Center
(GPCC)

Global Runoff Data
Center (GRDC)

International Data
Centre on Hydrology
of Lakes and
Reservoirs
(HYDROLARE)

1) Regional Hydroclimatological Projects



4) GHP Networks

Structure and Organization

GHP Panel Co-Chairs:

Joan Cuxart (Spain), Francina Dominguez (USA)

Members:

Paola Arias (Colombia), Sylvester Danour (Ghana), Craig Ferguson (USA), Li Jia (China), Xin Li (China), Ali Nazemi (Canada), Andreas Prein (USA), Vidya Samadi (USA), Ivana Stiperski (Austria)

Leaving members:

Jason Evans, former co-chair (Australia), Silvina Solman (Argentina)

2019 GHP MEETING



Welcomed 6 new members!

Li Jia (China)

Ali Nazemi (Canada)

Andreas Prein (USA)

Vidya Samadi (USA)

Paola Arias (Colombia)

Ivana Stiperski (Austria)



After seven years
leadership, Jason Evans
stepped down as co-
chair of GHP. =(

Key Results

1) Regional Hydroclimatological Projects

We have three mature, one initiating and three prospective RHPs throughout the globe.

Active:

HyMEX (2010-2020)

Baltic Earth (2016-2019?)

GWF (2018-2023)

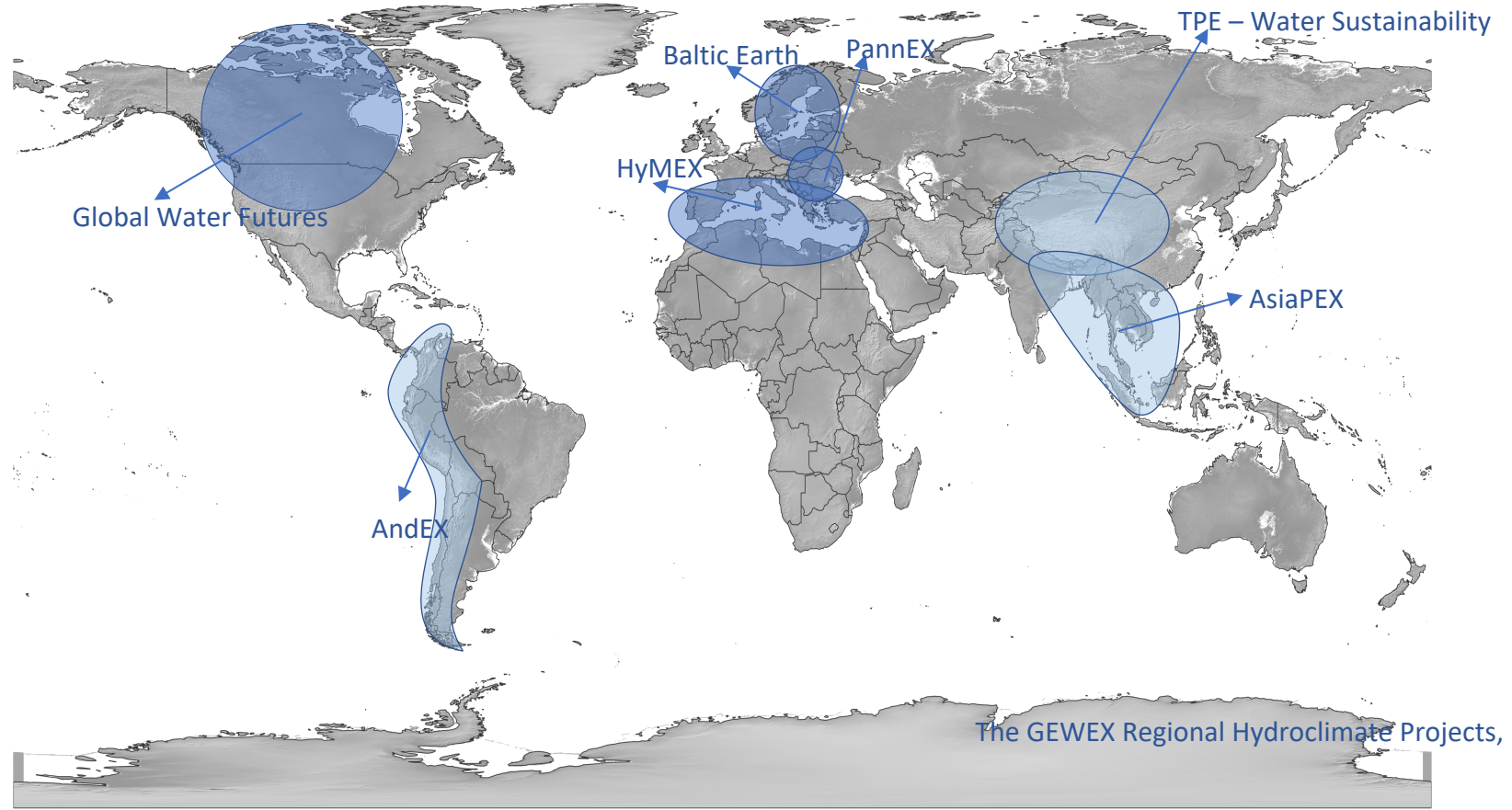
PannEx (2018-)

Prospective:

Andex

TPE

AsiaPEX



We have one finalized CC.
Two CCs are nearing their end.
One initiating and one prospective CC.

Near OC precipitation CC –
INARCH CC – alpine cold regions
INTENSE CC – sub-daily precipitation
TEAMx CC – transport and exchange over mountains

*ET CC - evapotranspiration

Current CC
Planned CC



Steady and significant progress was reported by the Global Data Centers.

Global Precipitation
Climatology Center (GPCC)

Global Runoff Data Center
(GRDC)

International Data Centre
on Hydrology of Lakes and
Reservoirs (HYDROLARE)