

Testbeds : what we have

Catchment

Covering different **scales of hydrological processes**
(flashflood, riverine floods, droughts)

Well **described**

Unregulated and **regulated rivers**

HydroData

High resolution networks of **discharge data and meteo data**

High resolution **data on topography, soil, groundwater, geology, channel dimensions available**

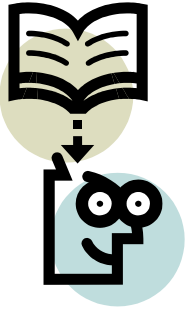
MeteoData

High resolution **observed meteo data**

High resolution consistent **re-analysis over 50 years**

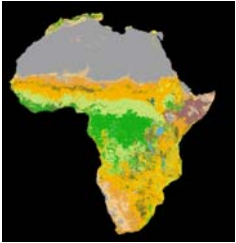
Unbiased **weather forecasts for short-term, medium-range and seasonal scales** consistent with the reanalysis

Testbeds for HEPEX



Subject:

Define a research topic for which you would like to prepare a testbed within HEPEX context



Data:

Prepare datasets according to agreed standards and protocols



Exchange/Collaboration:

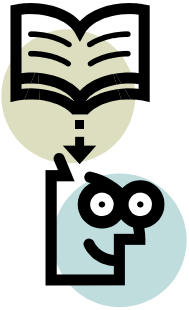
Make datasets available to foster research collaborations on the research topic and testbed



Research/Results

Make research results / reports / publications / findings / problems available to the HEPEX community

Testbeds for HEPEX

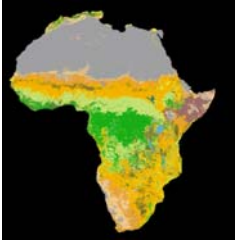


Subject:

Define a research topic for which you would like to prepare a testbed within HEPEX context

- HEPEX research subjects should differ from subjects under other umbrellas (MOPEX, GEWEX, ...)
 - HEPEX spans both weather scale and seasonal scale
 - uncertainty including meteorological forcing uncertainty
- Testbed description (2-3 pages)
 - testbed potential research subjects
 - information characterising the catchment (leadtime, flashflood/riverine flood type, soil type, ...)
 - indicate what data will be available and what format
 - potential user community

Testbeds for HEPEX



Data:

Prepare datasets according to agreed standards and protocols

- HEPEX should support 2-3 existing data formats in which data are being prepared (grid data, time series data)
- All data should be in standard & accepted units
- Data need to be provided with sufficient meta data (data sources, type of data, units)

Proposed testbeds: Bangladesh, EFAS subset, Brazil, DMIP (American River Basin), North American Monsoon project, US East and West wide forecasting system, +++

Testbeds for HEPEX



Exchange/Collaboration:

Make datasets available to foster research collaborations on the research topic and testbed

- 2-3 project pages should be put onto central webserver accessible for everybody
- data should be accessible via a central entry portal – not necessarily stored at a central place
 - responsibilities for maintaining data bank
 - restricting access for HEPEX users
- webpage for HEPEX crucial for successful exchange

Testbeds for HEPEX



Research/Results

Make research results / reports / publications / findings / problems available to the HEPEX community

- Project description and results should be put onto ftp-site together with the simulated data
- Reports, publications onto ftp-site
- Meetings

Testbeds for HEPEX



Funding

- No funding available: adapt research to funding situation
- success more on willingness to make things happen than on funding
- some funding to facilitate meetings would be useful
- funded proposals may grow out of collaborations (third party funding)