

WP2 Status Update

Rolf Hut , Niels Drost

EGU 2015

netherlands

eScience center

by SURF & NWO



Universiteit Utrecht

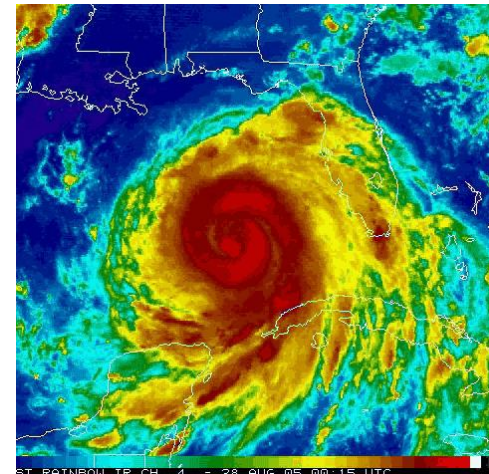
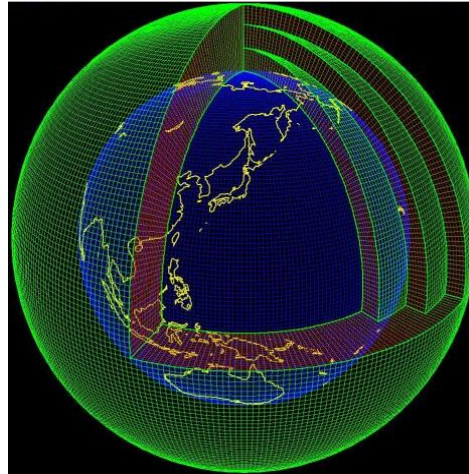
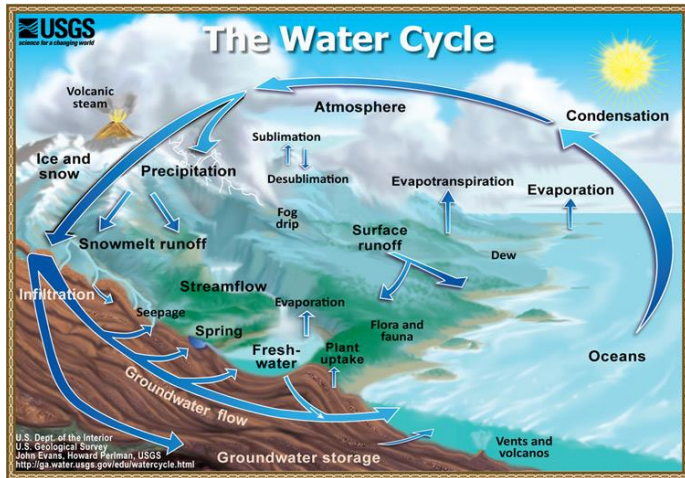
TU Delft

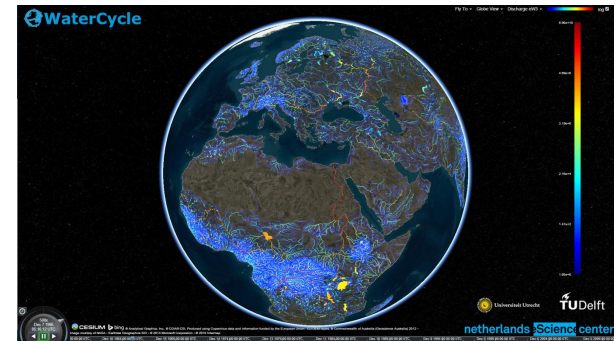
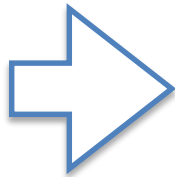
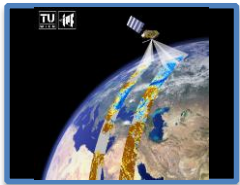
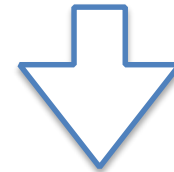
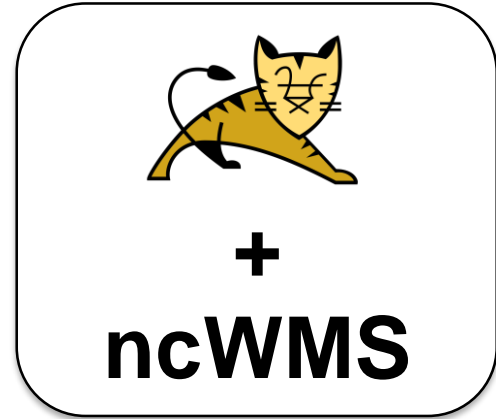
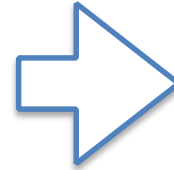
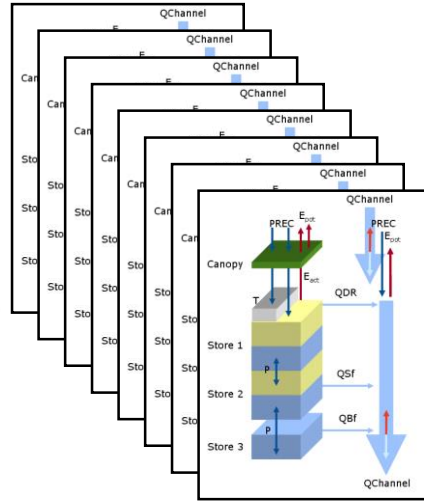
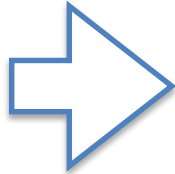


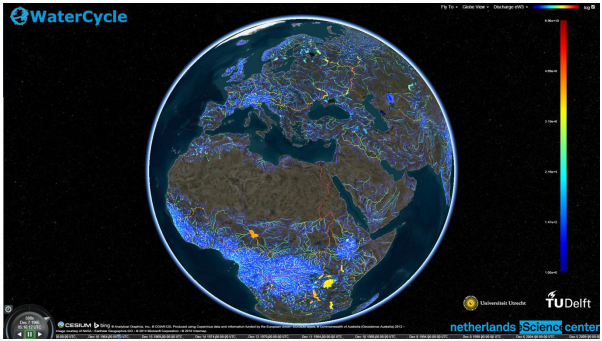
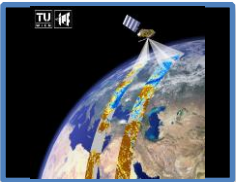
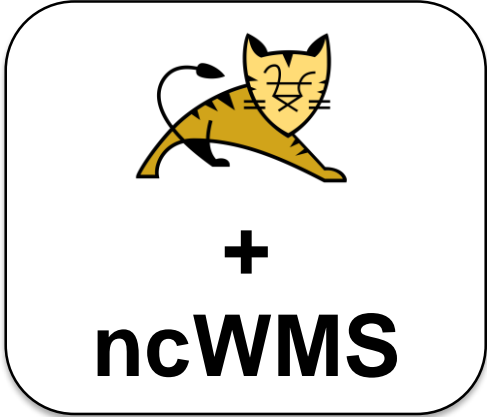
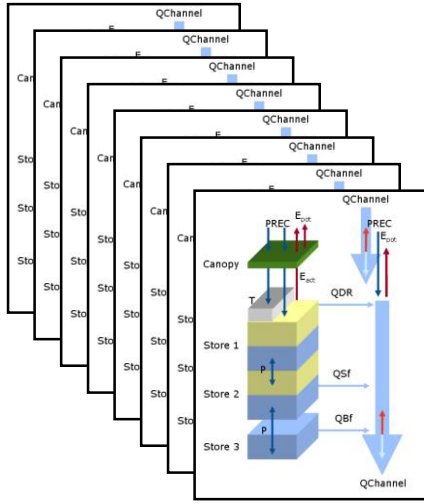
WaterCycle

Example: Global Hydrological Forecast System (eWaterCycle)

- Global @ 10Km resolution (for now)
- GFS Ensemble Forcing
- H-SAF Soil moisture observations



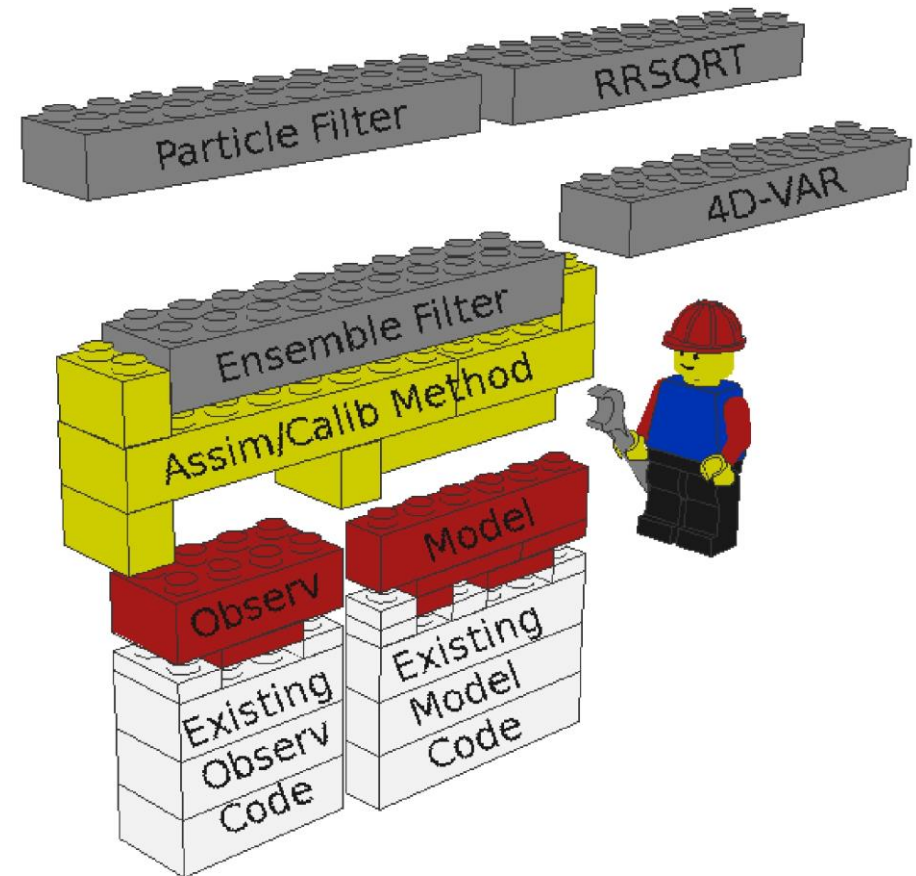




OpenDA



- Open Source data-assimilation toolbox
- LGPL, Java



<http://www.openda.org>

Basic Model Interface (BMI)

- From **CSDMS** project, now on its way to being **standardize**

- **void initialize (string config_file)**

- void update (double dt)**

- void finalize ()**

- get_value (string var_name)**

- set_value (string var_name)**

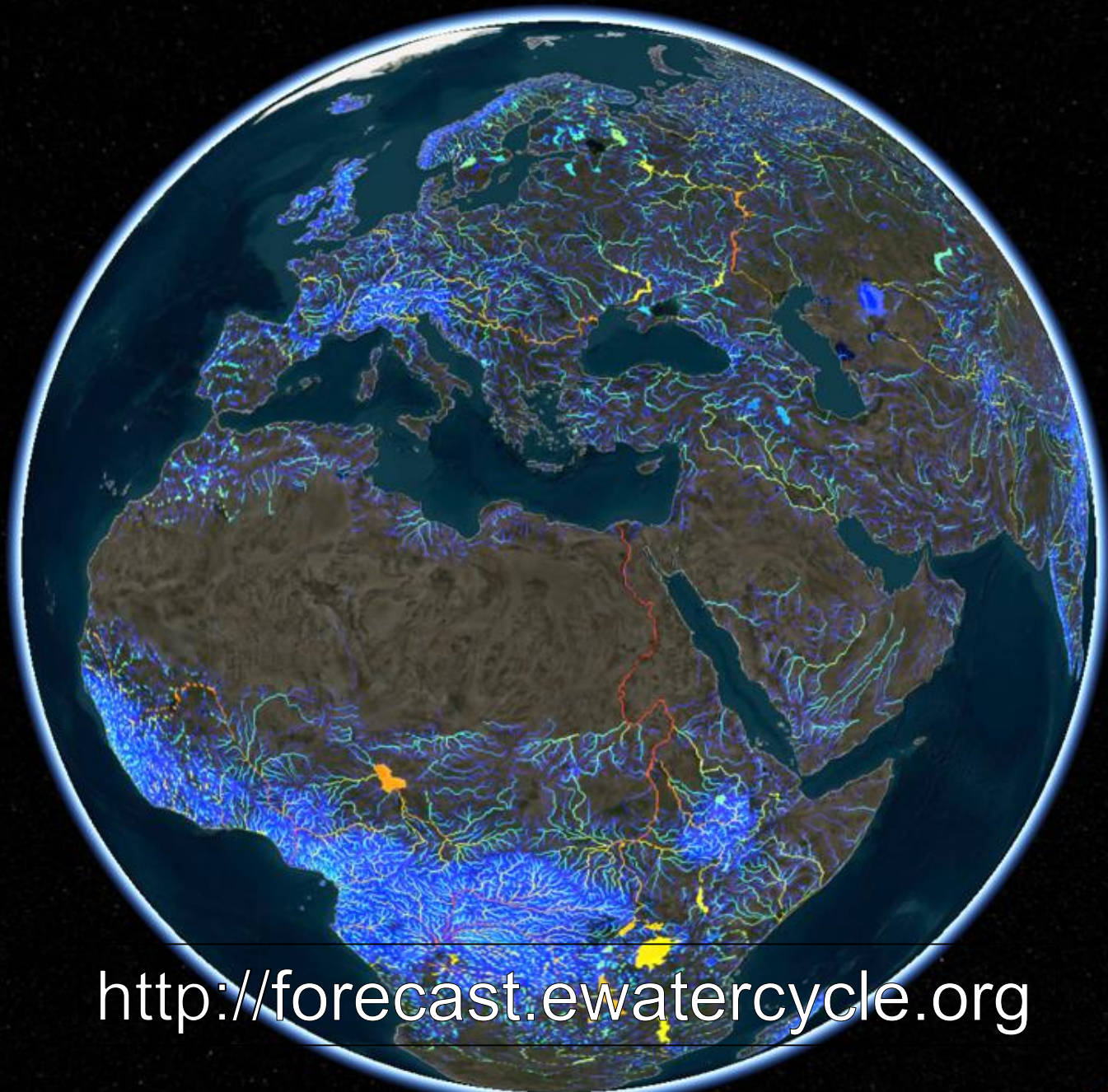
+grid + time + units info

+not much else

Source Code: <https://github.com/csdms/bmi>

Python, Fortran, C, Java, etc...





<http://forecast.ewatercycle.org>

