

Hyper-resolution land surface modeling
EGU splinter meeting
May 1, 2014

WORKING GROUP 2: COMMON FRAMEWORK

Current WG2 members and affiliations

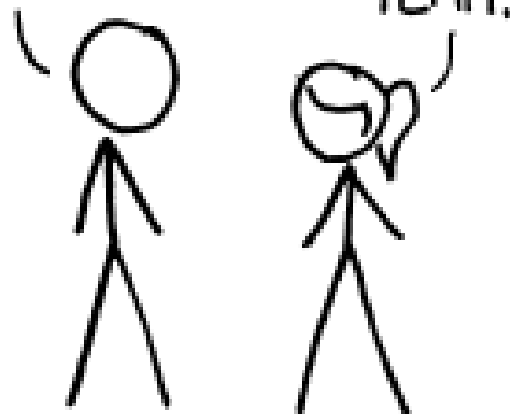
- Niels Drost
Netherlands eScience Center
- Rolf Hut
Delft University of Technology
- Nate Chaney
Princeton University
- Ad de Roo
Utrecht University

HOW STANDARDS PROLIFERATE:

(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

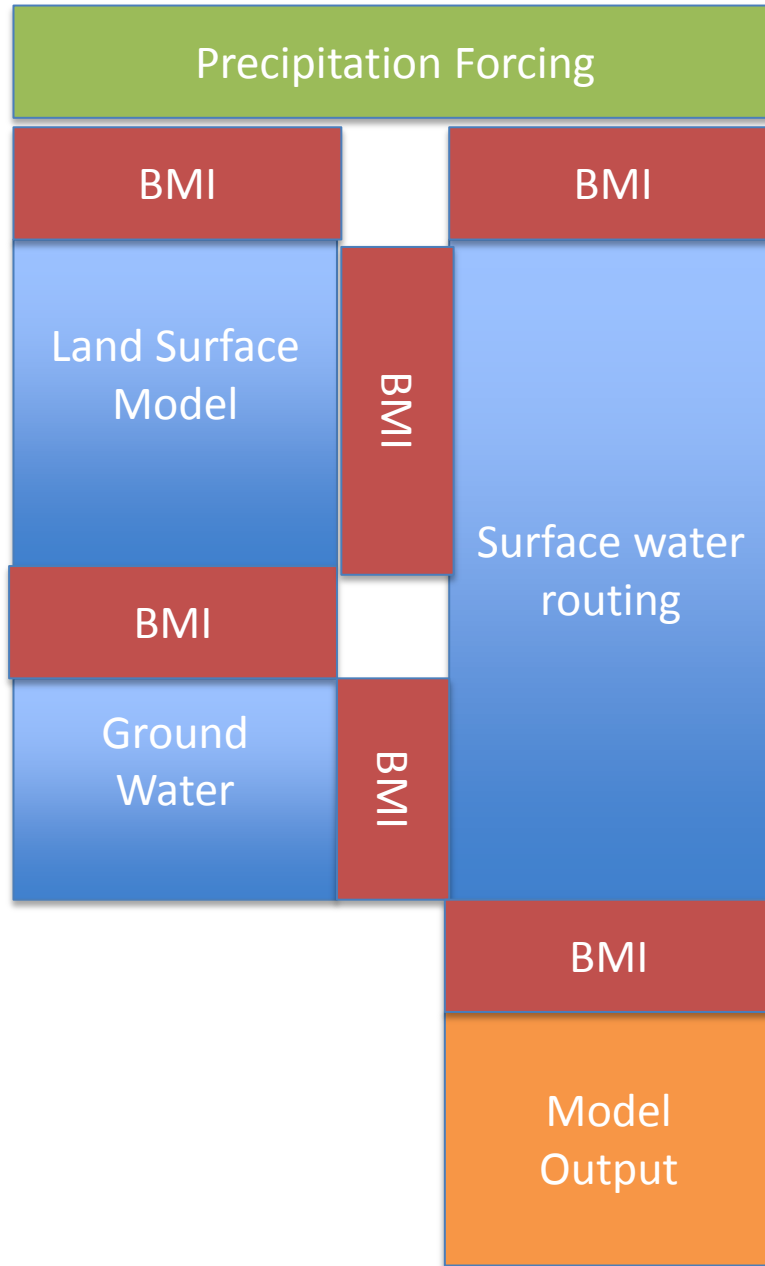
SITUATION:
THERE ARE
14 COMPETING
STANDARDS.

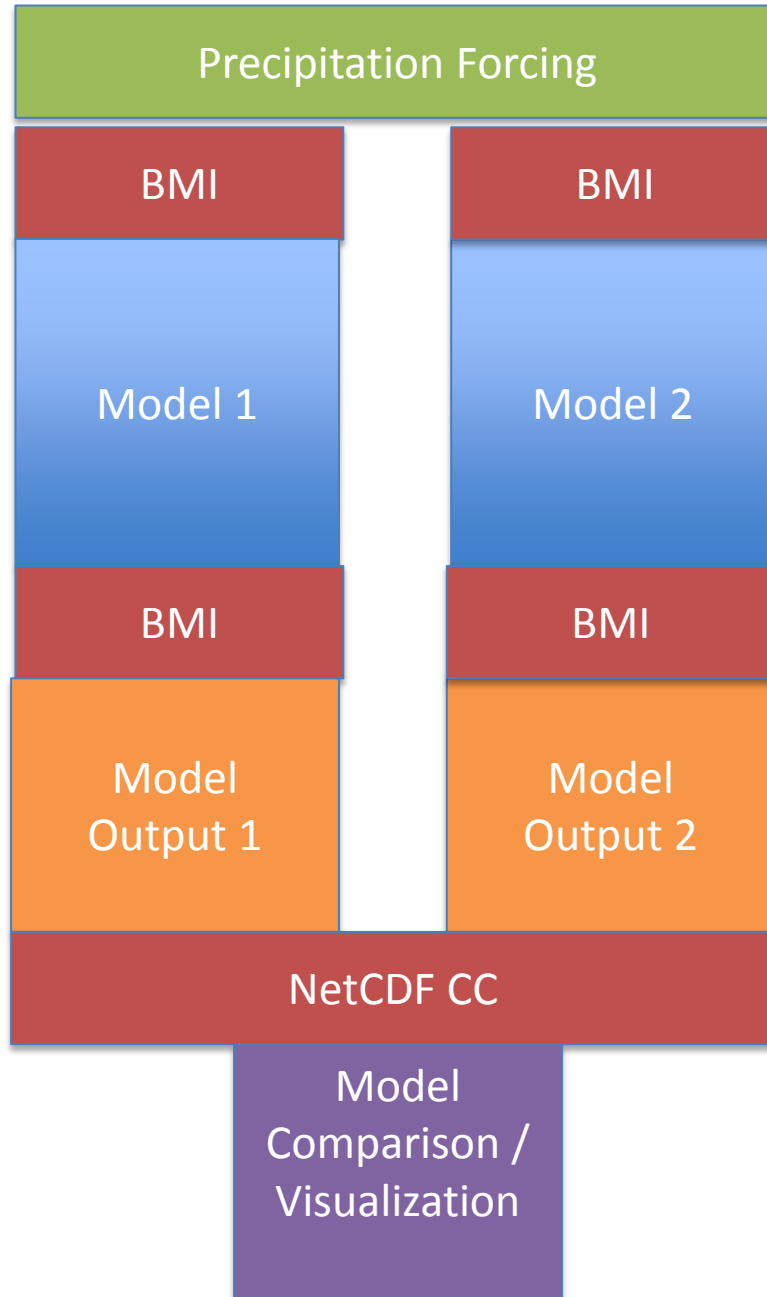
14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.

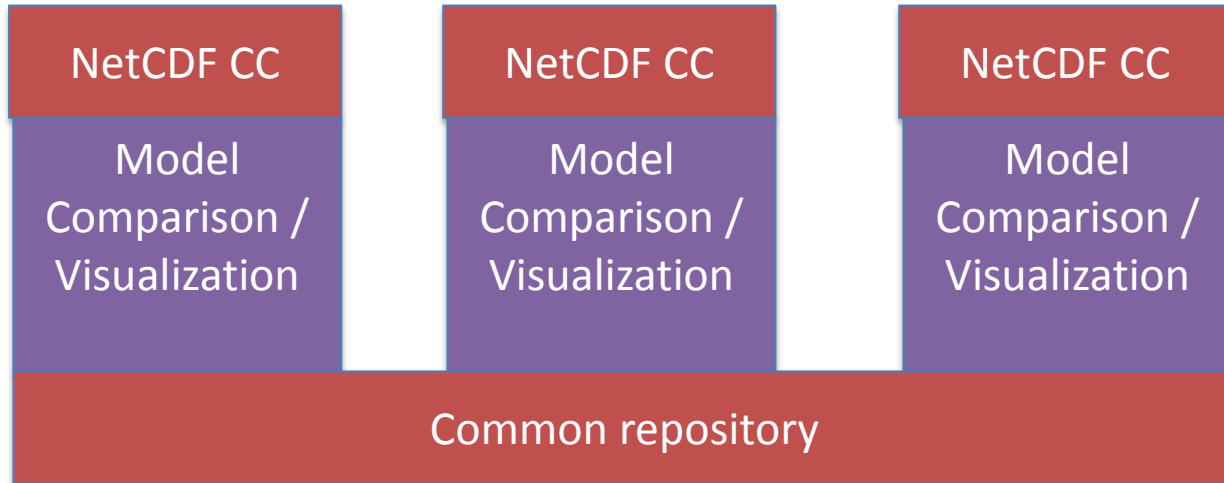


SOON:

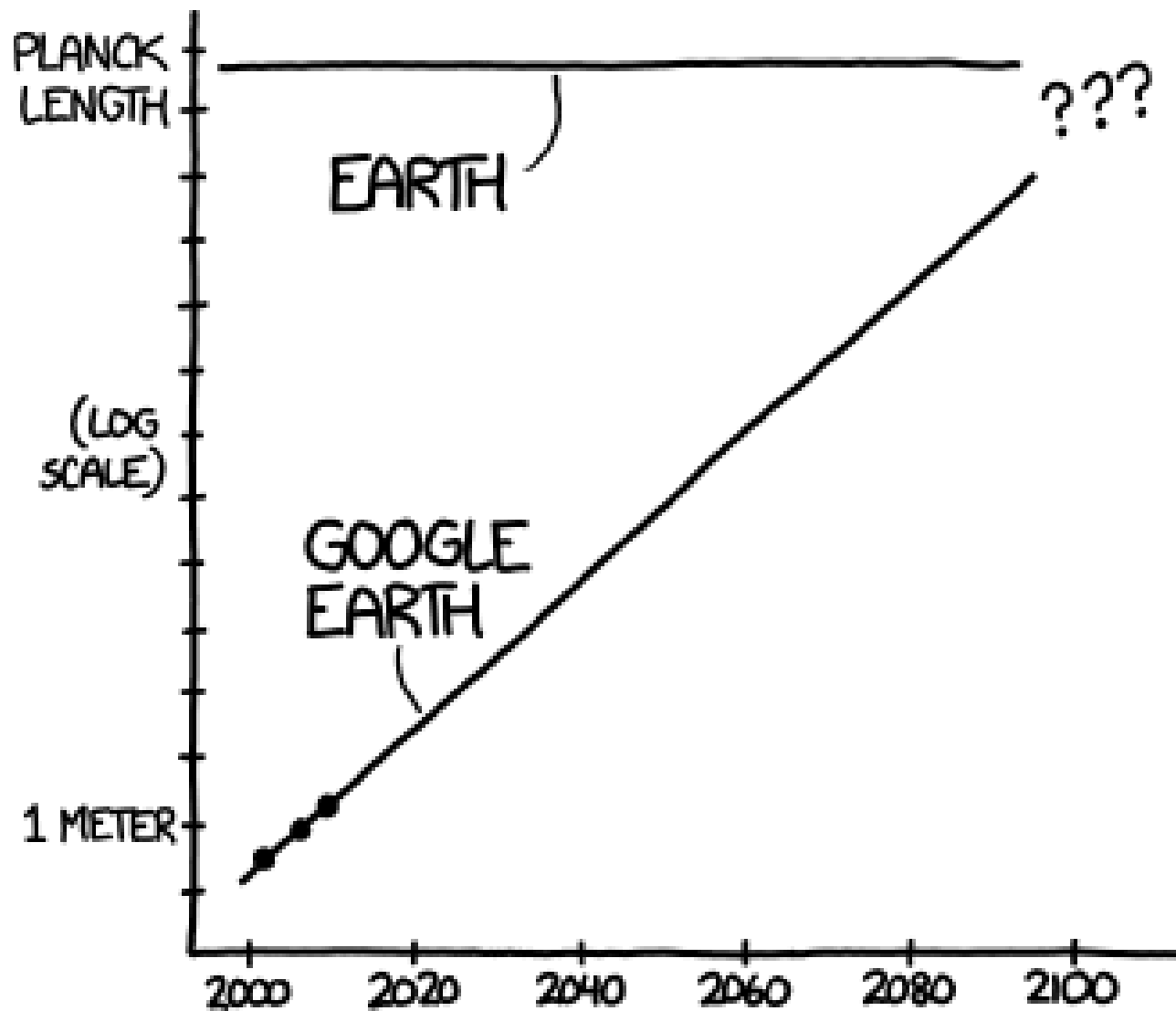
SITUATION:
THERE ARE
15 COMPETING
STANDARDS.







MY NEIGHBORHOOD'S RESOLUTION IN:



Plan

- Literature review of existing standards
- Survey of support in community
- “advice” on best standard

Domains

- Model coupling
 - BMI (CSDMS), others?
 - Boundary of components
- Data formats
 - NetCDF CC, waterML (OGC)
- Visualisation & analytics
 - Hydro R, google Eart Engine?

Sharing

- Repositories
 - GIT
 - Python, Fortran, C, others?
 - Data
 - Google earth engine, others?
 - Scientific output
 - Papers (open access only?)