

Jay Famiglietti
University of California, Irvine
UC Center for Hydrologic Modeling



First meeting, January 20-21, 2009

- Learned about CSDMS
- Got to know each other
- Began thinking about how we fit into CSDMS
- Wrote mission statement and established goals



First meeting, January 20-21, 2009

"The Hydrology FRG is a new research group, sponsored by CUAHSI, the Consortium of Universities for the Advancement of Hydrologic Science, Inc. Our goal is to provide input to the CSDMS Working Groups and to the Executive Committee on how to best represent hydrological processes in the CSDMS. Another role that the Hydrology FRG will play is to facilitate links to other community hydrologic modeling activities, including those led by CUAHSI."



First meeting, January 20-21, 2009

Short-term goals (1-2 years)

- Identify science problems of CHFRG interest
- Identify a small set of hydrologic models that can support the proposed research
- Determine extension to CSDMS required to support proposed research
- Identify funding opportunities to support proposed research
- Continue to interface with other community modeling activities,
 e.g. CUAHSI, NCAR, NOAA, etc., and understand relationship to
 CSDMS
- Understand relationship to TWG
- Continue to build CHFRG membership



First meeting, January 20-21, 2009

Medium-term goals (3-4 years)

- Testing and modularization, etc. of hydrology codes
- Implementation of related CSDMS code
- Conference presentations, white paper
- Continue to build FRG membership

Long-term goals (>5 years)

- Perform simulations
- Publish results
- Demonstrate utility of CSDMS to addressing proposed and related questions
- Expand scientific reach: new questions, interdisciplinary connections, grand challenges





Thoughts and progress since first meeting

In hindsight

- Goals written in a void
- Had not yet interacted at that point with other WGs, FRGs

However

• Some progress on identifying projects, partial funding, links to other groups, building membership

Still

- Strong desire to learn of Terrestrial WG activities and to forge links
- Some discussion of projects but no significant progress of which I am aware
- Difficult to engage community
- Need bigger picture of what the CSDMS community is and where it wants to go
- Annual CSDSM all-hands meeting?



Second meeting, November 16-17, 2009

- First meeting with other WGs
- Critical to understand scientific and technical framework of CSDMS
 - What is CSDMS hoping to achieve?
 - What does the HFRG view as compelling and not achievable without the CSDMS?
 - What software and platform tools are available that will enable model development and that can be evaluated/ adopted by other modeling communities?
- What are some 'low hanging fruits (LHFs)' that the group can tackle now?