

CSDMS communication and community

The rationale:

‘community input and involvement are essential to the success of CSDMS;’
time to ‘take stock of how our community currently functions and develop plans for the future’

What is the community?

internal & external; developers vs. users; modelers vs. non-modelers
our vision for ideal communication depends on how this is defined...
and, this must be considered in designing 5-yr strategies

vision:

developers: contributing code to CSDMS is valuable & straightforward

users: finding and using CSDMS models is valuable & straightforward

modelers: significant advantages to modeling within the CSDMS

non-modelers: should be aware of, and not intimidated by using CSDMS

-or- everyone should use CSDMS

challenges

multiple audiences require multiple tools/strategies

difficult for some potential users to climb the learning curve

‘if you build it they will come’

csdms continues to build (eg. first articles, CMT just becoming available)

difficult to communicate potential

convincing developers to run models with CSDMS/CMT

not just independently on own computers

some developers reluctant to give up source code

moving the scientific community towards coupled models

rather than focusing on a single setting/code

communicating ‘proper’ use of various models

developers are more aware of intended purposes and limitations

possible strategies 1

multiple audiences require multiple tools/strategies

improved documentation (help?) for submitting models (videos?)

CMT: more documentation? different architecture? additional version (CMT-lite)?

discussion boards on the CSDMS website (users helping users)

'if you build it they will come'

encouraging acknowledgement of CSDMS

publications & presentations; member websites; in article reviews

increasing visibility of success stories

articles in EOS, Sedimentary Record, GSA Today? AAPG?

convincing developers to run models with CSDMS/CMT

communicate the value of CSDMS – promote *prestige* of contributing to CSDMS

traveling CSDMS lecturer? new awards for student modeling papers?

mentoring our students to write CSDMS-ready code, and to submit it (changing culture from bottom up)

possible strategies 2

moving the scientific community towards coupled models

promote the use coupled models (by using them; by highlighting them on the webpage and in pubs like EOS)

in particular, show utility of coupled models via *timely* use

eg. use coupled CEM and ocean circulation to look at remobilization of oiled sediments in GOM (just one idea)

communicating 'proper' use of various models

improving communication between developer and user (and amongst model users)

discussion board

developer is notified when his/her code is discussed

website redesign to address all of the above...