

Working Group II: Workshop Discussion (entire community)

Quick review of suggested common themes from working groups:

Documentation:

- what's known about change made accessible
- resources for change agents

Funding - sources

Electronic resources –
Wiki

Pushing these out? Building the community: Lobbying / Advocating

- addressing disciplinary societies
- popular outlets
- legislators (local and national)

Next Meetings?

REPORT OUT / NEXT STEPS:

Action Items and priorities

Coalescing what is known and sharing with others – how to get this on to an agenda

Disciplinary societies and Have an open conversation –

Applied communities

Get involved in organizations already doing this PKAL, ISSOTL, etc..

(noting that different missions)

What's missing

Who is missing? – groups not part of change – what about the folks who are not converted to ideas of change (deans, chairs, people who teach,)

Expand conversation from like-minded to those who think differently

Organization development – how do we facilitate ? all change is local

Barriers to change: mostly individuals

Take conversation to the people – lots of talking (should be added to change agent suite)

Multidimensional problem: different kinds of STEM students, different types of courses / goals, different environments / institutions, -- to date discussion has been generic notion of change

Tension of:

Focus on change, vs. should and how and research on change (e.g. theory of bridge building vs. bridge building). Two different things

Tension of:

Generic models of change (utility of including change models from business) vs. context bound nature of models of change

What does “T” mean in STEM - c.s.?

How do ideas here address change at various scales? How do we bring ideas home (esp. to faculty development centers / efforts)

Does mode / model of change depend upon the discipline. E.g. Wieman characterization of variation of biology vs. physics...

Followup

Access to endnote database of lit review an survey--- but annotated and coded --- will be available as soon as Charles has finished reading all the papers

Gordon conference: STEM education research. XER, include studies of change in STEM, and national funders/policy folks. Summer 2009

Go on record differences in breadth of participants communication