

2015 GSEE-Taiwan Summit Program Breakout Discussions Group II

June 30, 2015

- New journal on Experiments in Engagement
 - Engagement: scientists interact with the general public outside of the classroom such as public lecture, demo show, summer camp, etc.
 - Can be viewed as a new field of science, must be a scholarly journal
 - Ideas worth supporting/spreading
 - Need linguistic transformation as well ← targeted towards scientists who is not trained as an educator (not write towards the general public such as Scientific American does)
 - Publish negative results as well, not only good/excellent results ← lessons learned (Not something typically publishable in professional journals today)
 - Evaluation is needed; changes as we move forward (the world changes so fast now)
 - Evidence based in order to support the statement/conclusion ← Does evidence change/varies for different countries?
 - ◆ Need to recruit board, editors, evaluators, authors, etc.
 - Must have an International Science Advisory Board outside of the regular journal board in order to gauge/balance the differences in different countries
 - Open Access, need fundings to offset the page charges at the beginning
- Effects or impacts of special Events
 - For example, IYL: International Year of Light
 - ◆ Claim: Let the general public know more about “Light”
 - Must define Outreach → Must define the problem better
 - ◆ Funding goes to big personality, Nobel Laureates, etc.? How can we learn/judge the true outreach/programs, etc.?
 - ◆ Evaluation program starts/defines at the beginning of the program
 - Multistage funding phases: phase 1 has a lot of learning by doing components, phase 2 or later phases may have less “learning by doing” components
- Share the resources internationally in MOOC, etc.
- Google Semantics
- Curriculums ← open source if is cited
 - A platform/movement for open source curriculums
 - Similar to “copyleft” movement in open source software? Extract course materials and then make it into another course? ← Falses or failures of the actions may harm the original contributors (whose original intention or

listing may be different from the way it is published/extracted later)?!)