ESIP Education Strategic Plan 2014

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Co-Chair: Margaret Mooney
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Website: http://wiki.esipfed.org/index.php/Education
Monthly Meeting Time (is this working?): 2nd Tues at 4:30pm ET

Table of Contents:

ESIP Vision and Values

To be a leader in promoting the collection, stewardship and use of Earth science data, information and knowledge that are responsive to societal needs.

2020 Vision Pillars:

- *ESIP provides the Earth science informatics intellectual commons to drive innovation.*
- *ESIP is the trusted community authority that supports the integration of science and data into mainstream use.*
- *ESIP leads the development science data information professionals to:*
    - *provide a means to develop data management as a recognized profession;*
    - *provide opportunities for continued professional development; and*
    - *entrain the next generation of science data information professionals.*
- *ESIP achieves sustainability through diversification, global partnerships and partner recognition.*

ESIP Values

(Are there specific values that the Collab Area supports *?):

1. Agility
2. Collaborative
3. Collegial
4. Community-driven
5. Innovative
6. Neutral
7. Open
8. Participatory
9. Voluntary

Mission of the Standing Committee on Education

Mission: To make Earth science data, information, tools, and curricula available within the ESIP Federation accessible to educators and learners at all levels in both formal and informal educational settings

Its goals are:

Goal 1 - To promote and facilitate the development, dissemination, and use of Earth science educational products, information, and tools to a broad user community using the wealth of Earth science data and expertise available in the ESIP Federation

Objective 1.1 - To organize professional development events on education and outreach topics for ESIP Federation members and educators working in K-12, undergraduate, graduate, and informal education settings

Implementation Strategy 1.1.1 - To offer well-attended Teacher Workshops at ESIP federation meetings grounded in best practices for professional development

Implementation Strategy 1.1.2 - To extend ESIP's educational reach by partnering with NESTA and other organizations to offer professional development workshops for K-12 educators

Objective 1.2 - To keep ESIP members informed of opportunities for educational applications of their products, information, and tools to wider audiences for educational purposes

Implementation Strategy 1.2.1 - To regularly offer compelling education, outreach, and communication sessions at ESIP conferences that are engaging to ESIP members

Objective 1.3 - To encourage, facilitate, and support the efforts of ESIP community members in developing educational products, information, and tools for educational applications to wider audiences.

Implementation Strategy 1.3.1 - To proactively support community members in their efforts to address agency opportunities and educational initiatives

Implementation Strategy 1.3.2 - ?

Objective 1.4 - To spread the word about ESIP resources more widely

Implementation Strategy 1.4.1 - To partner with NESTA and other organizations to get the word out about ESIP products, information and tools to educators and the public

Implementation Strategy 1.4.2 - To promote engagement with ESIP social media presence

Implementation Strategy 1.4.3 - To develop an ESIP Education and Outreach Communication Packet (move to ESIP level - more general than education - let Erin know)

Implementation Strategy 1.4.3 - To develop the ESIP Challenge for educators to ….

Goal 2 - To promote and facilitate the collaboration of multiple ESIP's to develop educational applications of Earth science data products, information, and tools

Objective 2.1 - To provide strategic counsel to ESIP partners to develop comprehensive education and outreach plans

Implementation Strategy 2.1.1 - To experiment with virtual communication technologies to offer guidance and strategies for developing education and outreach collaboration plans

Goal 3 - To provide up-to-date information on the ESIP Federation website on the activities of the ESIP Federation Education Standing Committee, its activities and progress, its Strategic Plan, and links to ESIP Federation associated educational products, information and tools.

Implementation Strategy 3.1.1 - To maintain information on the ESIP Education Wiki

Goal 4 - To broaden participation in the ESIP Federation targeting groups underrepresented in our interdisciplinary initiatives

Objective 4.1 - To provide awards

Implementation Strategy 4.1.1 - To provide a geoscience award to one or more students participating at SACNAS and similar professional meetings

Implementation Strategy 4.1.2 - Encourage teacher-ESIP interaction through a Data in Education Challenge.

Goal 5 - To develop collaborative relationships with other organizations involved in educational activities

Objective 5.1 - To accomplish the goals and objectives mentioned above, the ESIP Education Standing Committee will seek to maximize impact by working in collaboration with external partner organizations and programs to extend its reach to wider education and outreach audiences.

Things we'll do to fulfill our mission
1. Winter 2014 - Education Sessions
2. NESTA Data Workshop at NSTAs (4)
3. Supporting a SACNAS scholarship (4)
4. Educator competition (2)
5. Summer 2014 - Climate Change Education Teacher Workshop Create Education App Ipad library
   a. Create Facebook group for teachers

Things we need to deliver the mission?
- Funding for the activities described above
- Staff support to create content
- Partnerships - NESTA, Identify new Federal partners
- Organizational Change - to embed more education more directly in other ESIP collaboration areas

How will we know we are on the right track?
1. Values - describing how well the cluster is doing in terms of 'living by' its values
   a. ?
2. Performance/Quality - How the Cluster will keep an eye on the resources/measure the quality of resources, activities.
   a. ?
3. Relevance - How the cluster will ensure that its research agenda and outputs (content and format/channel) is relevant to its core audiences
   a. ?

How will others know what we are doing?
- Telecons
- Outreach to ESIP
  - Tools/Methods that help ESIP Members and Collab Areas create better workshops (Workshopping workshop)
  - Embed in other meeting sessions to add education concepts (clickers?)
- Outreach to Teachers
  - Outreach through NESTA Affiliation via workshops at fall area conferences (3) and spring national conference; monthly newsletters, and special alerts (Silver or Gold Institutional Affiliation)
  - NESTA-ESIP Data Workshops - offered at each NSTA area conf. and at national conference.
  - Will significantly increase the efficiency of our outreach to teachers