

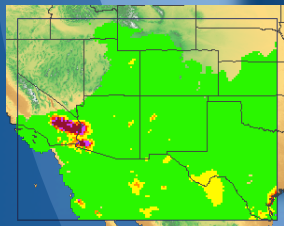
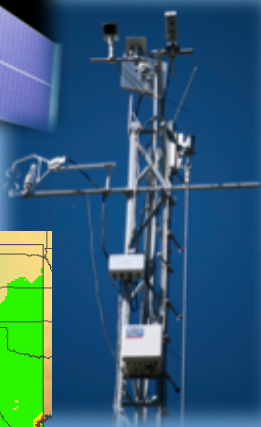
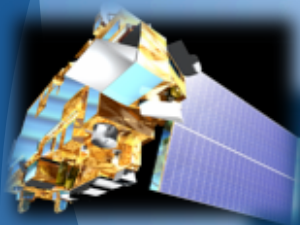
ESIP Federation's Model Paradigm for Managing a Distributed Partnership

Case Studies and Lessons Learned

September 7, 2012

ESIP Vision

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



About ESIP

- ESIP Federation has far-ranging expertise and provides a neutral space for Earth & environmental science data & technology practitioners to share their knowledge, experience & technology

Core Values

- Agility
- Collaborative
- Collegial
- Community-driven
- Innovative
- Neutral
- Open
- Participatory
- Voluntary

Two Organizations: ESIP Federation & Foundation for Earth Science

ESIP Federation is *the community*.

Foundation for Earth Science provides *management, operational and logistical services* to the ESIP Federation.

ESIP
Federation



Foundation for
Earth Science

Prelude to Case Study Highlights: *Keys to Understanding*

- ESIP is guided by community interests
- Activities are driven by ESIP members
- Wide breadth of membership = wide breadth of interests
- ESIP is data and technology centric
- Success of activities is directly related to level of member interest



Case Study 1: Data Persistence and Publication

Problem: *Data producers get little professional recognition.*

- Traditional academic rewards system recognizes journal publications
- Good data are not always permanently available or traceable
 - & when found, attribution is not always given
- No single permanent identifier scheme supports all data types

Case Study 1: Activities & Outputs

Activities:

- Identifiers analysis and testbed
- Community-generated consensus for data citation

Outputs include:

- Recommendations for identifiers
 - <http://springerlink.com/content/52760gq3h200gw38/?MUD=MP>
- Data citation guidelines
 - <http://commons.esipfed.org/node/308>
- Data stewardship principles
 - <http://commons.esipfed.org/node/419>

Case Study 2: Energy & Climate Decision Support Tool Catalog

Challenge: *US DOE is driving renewables growth to provide alternatives to oil and gas dependence & ensure a cleaner environment.*

- Stakeholders, project proponents and NGOs are concerned about *site selection* for new installations
- The alternative energy community has a myriad of tools but quality and transparency of those tools is not known

Case Study 2: Activities & Outputs

Activities:

- Development and growth of community of practice
- Prototype knowledge base (decision support tool) planning and development

Outputs include:

- Phase 1 - White Paper Demonstrating Need
- Phase 2 - Decision Support Tool (DST)
Catalog Prototype
- Phase 3 - Integrated DST

Other Case Studies in Brief

Data Discovery (Access) Protocols

- OpenSearch community standard
- Use by NOAA, USGS and others

Data Management Training

- Self-contained modular course
- Developed by ESIP community

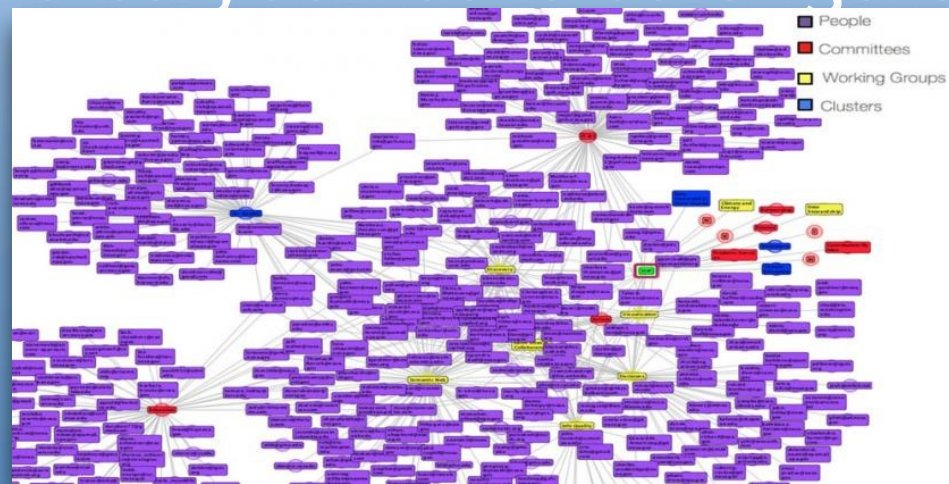
Teacher Workshops

- Member-driven with grant from NOAA
- Features members' education tools
- NASA leveraged workshop-iPads for teachers



Lessons Learned

- Keep the barriers to entry low
- Keep it *open* and *collegial*
- Provide seed funding for *innovative* ideas
- Listen to *community*
- Remain *agile*
- Stay true to your core strengths



Questions



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