**Computer Science or Earth Science Informatics Graduate Student Internship with the Federation of Earth Science Information Partners (ESIP) (posting date: June 8, 2012)**

Two graduate student level internships are available (pending funding approval) – one with Drupal experience and another with Semantic web experience. Duration ~ 6 months starting July 2012.

**Internship Description**

The selected candidates will work with the ESIP Energy and Climate Working Group (POC: WG Chairs) to take the functional requirements provided by the Working Group (http://wiki.esipfed.org/images/c/c6/Dynamic\_Decision\_Tools\_Catalog\_and\_CoP\_ESIP2012.doc) and build a prototype system that will illustrate the functionality of a decision tools catalog and initiate operation of a community of practice (discussion board etc). A use case will be defined by the ESIP Energy and Climate Working group for the prototype. The Decision Tools Catalog is expected to support decision makers in selecting tools to be used in planning for energy production site selection. The early prototype also will aid in identifying gaps and improvements needed to the kit of decision tools.

Expect work to start in July 2012; the selected candidates would be expected to participate in the ESIP summer meeting in Madison (July 17-20, 2012), where the Energy and Climate Working Group will be discussing and finalizing the prototype functional requirements. This prototype will need to be ready for demonstration by the January 2013 ESIP meeting in Washington DC. It is intended to be the first step to demonstrate key elements of the proposed capabilities and could form the foundation for a fully operational decision support system.

**Minimum Qualifications**

* A current graduate student in Computer science at an ESIP Federation member institution
* Extensive experience with Drupal, including module development (at least 2 years)
* Semantic web experience
* Knowledge of open source technologies
* Interest in and some knowledge of Earth science applications
* Demonstrated effectiveness in a team environment; collaborative
* Creative problem solver

**Expected Level of Commitment**

Working with ESIP and AWWI oversight, the selected candidates will devote approximately 10-20 hours/week during the life of the project.

**To Apply**: Please send your letter of interest, highlighting your qualifications and your CV (or resume) to carolbmeyer@esipfed.org. Applications will be accepted through June 25, 2012.