**Suggestions for NSF/GEO Early Career PIs**

Download from: <http://www.nsf.gov/geo/adgeo/geoedu/nsf-geo_early_career_guide.doc>x

**Useful links from** [**http://nsf.gov**](http://nsf.gov) **Contact**: C. Susan Weiler, cweiler@nsf.gov

**Get NSF Updates by e-mail**: Click on upper right-hand corner of <http://nsf.gov>

This is the single most important thing you can do; it enables you to customize the information you would like to gain from NSF, so that new information comes directly to you without your having to scan the webpage for updates.

**NSF Organization Chart**: <http://nsf.gov/staff/orgchart.jsp>

This is a great resource; you can click on any box to drill down and learn more about what goes on inside NSF. You will very quickly learn how NSF is organized and what it does by clicking on each box for an overview and then drilling down for specific information on areas of personal interest.

**NSF Organization List**: <http://nsf.gov/staff/orglist.jsp>

Once you have an overview from the Organization Chart, this list is useful if you want an overview of the internal structure within each of the Directorates and Offices. It also provides contact information and acronyms.

**NSF Grant Proposal Guide**: <http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg>

This document should be read before you begin to prepare a proposal so you know the general process and requirements. Refer to it in depth during proposal preparation.

**Search Funding Opportunities**: <http://nsf.gov/funding/>

**Search Awards**: <http://nsf.gov/awardsearch/>

Reading about funded awards is a great way to get a tangible idea of the sort of work NSF supports. NSF program pages link to recently funded awards, and you can also use this search function. The NSF webpage makes it possible to search awards by any information that is available on the cover page or award abstract.

**Research.gov** (the future FastLane): http://[research.gov](http://research.gov). The first link is Research Spending and Results, which is a very robust and fast search tool. PIs can also look up the status of their proposals in the Grants Application Status. This also gives results for NSF’s partner agencies such as NASA, DoD, DoA, etc.

**Merit Review at NSF** <http://www.nsf.gov/bfa/dias/policy/meritreview/>

Consider this an absolute “MUST READ”! This one site offers a very comprehensive source of information on the NSF proposal review process. It covers everything from the time a proposal is submitted to NSF through to the award decision. The Merit Review page includes a section on “**Why you should volunteer to serve as an NSF reviewer**.” Reviewing NSF proposals is arguably the best way to learn how to write a good one yourself. If you aren’t already reviewing proposals, visit this site to learn how to become a reviewer.

**Merit Review Criteria: Intellectual Merit and Broader Impacts**: <http://www.nsf.gov/bfa/dias/policy/meritreview/facts.jsp#1>; click on “Merit Review Broader Impacts Criterion: Representative Activities**”** for examples of Broader Impacts

**A Guide for Proposal Writing**:<http://www.nsf.gov/pubs/2004/nsf04016/nsf04016_5.htm>

**Statistics**: <http://nsf.gov/statistics/> This site links to publications, data sets and analyses concerning U.S. science and engineering resources.

**Handbook for Project Evaluation**: <http://nsf.gov/pubs/2002/nsf02057/nsf02057.pdf>

This user-friendly handbook was developed in 2002 by NSF’s Directorate for Education and Human Resources. The purpose is to help project managers increase their understanding of the evaluation process and NSF’s requirements for evaluation, as well as gain knowledge that will help them communicate with evaluators and manage the actual evaluation.

**Standing Programs**

See the NSF Organizational List for Standing Programs and Program Officers in your subject area. Or use inks provided in the upper left-hand corner of <http://nsf.gov> under “Funding Opportunities”.

NSF established the Science, Engineering, and Education for Sustainability (SEES) investment area in FY 2010 in order to address challenges in climate and energy research and education using a systems-based approach to understanding, predicting, and reacting to change in the linked natural, social, and built environment. Initial efforts were focused on coordination of a suite of research and education programs at the intersection of climate and environment, including specific attention to incorporating human dimensions. SEES is expected to be a 5-year effort, extending through FY15. Continuing efforts will focus on supporting research that facilitates global community sustainability, specifically through building connections between current projects, creating new nodes of activity, and developing personnel needed to solve sustainability issues. Future efforts will be expanded to include sustainable energy research in science and engineering, and its socioeconomic and environmental implications.

**GEO – Focused Cross-Cutting and Interdisciplinary Research Opportunities**

This section highlights opportunities that cross Divisions and/or Directorates. These change over time, so be sure to check the main GEO page regularly for updates. There are many other opportunities that involve more than one program area within a Division. Check the various Division and Program pages for these.

**Science, Engineering and Education for Sustainability (SEES) NSF-Wide Investment Area**

Visit these sites to understand the scope of SEES and learn about opportunities:

<http://www.nsf.gov/pubs/2011/nsf11022/nsf11022.jsp?org=NSF>; and <http://www.nsf.gov/geo/sees/sees_portfolio.jsp>

Comprehensive listing: <http://nsf.gov/sees>

**CMG Collaborations in Mathematical Geosciences**

<http://nsf.gov/funding/pgm_summ.jsp?pims_id=503342>

**CNH Dynamics of Coupled Natural and Human Systems**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13681>

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13681&org=AGS&from=home>

**FESD Frontiers in Earth System Dynamics**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503525&org=NSF&sel_org=NSF&from=fund>

**International Research and Education: Planning Visits and Workshops**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12815&org=GEO&sel_org=GEO&from=fund>

**MRI Major Research Instrumentation**

<http://www.nsf.gov/od/oia/programs/mri/>

 **“What Makes an MRI Proposal Fail, What Makes an MRI Proposal Competitive?”**

 <http://www.nsf.gov/od/oia/programs/mri/2008ProposalPreparation.pdf>

**NSF/DOE Partnership in Basic Plasma Science and Engineering**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5602&org=AGS&from=home>

**P2C2 Paleo Perspectives on Climate Change**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5750&org=AGS&from=home>

**REU Research Experiences for Undergraduates**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&org=NSF>

**REU Site List**

<http://www.nsf.gov/crssprgm/reu/reu_search.cfm>

**Early Career (Post Ph.D.) Opportunities**

**CAREER Faculty Early Career Development Program**

<http://www.nsf.gov/career>

**Early Career Networking and Training**

**ACCESS Atmospheric Chemistry Colloquium for Emerging Senior Scientists**

<http://www.asp.bnl.gov/ACCESS/>

American Meteorological Society Summer Policy Colloquium

http://www.ametsoc.org/atmospolicy/colloquium\_summer.html

**Association of Polar Early Career Scientists**

<http://www.apecs.is/>

**Eco-DAS Ecological Dissertations in the Aquatic Sciences**

<http://cmore.soest.hawaii.edu/eco-das/index.htm>

**DISCCRS Dissertation Initiative for the Advancement of Climate Change Research**

<http://disccrs.org>

**DISCO Dissertations Symposium on Chemical Oceanography**

<http://www.discosymposium.org/>

**ESWN Earth Science Women’s Network**

<http://www.sage.wisc.edu/eswn/>

**Marine Geoscience Leadership Symposium**

<http://www.oceanleadership.org/education/leadership-symposium/>

**Mentoring Physical Oceanography Women to Increase Retention (MPOWIR)**

<http://www.mpowir.org/>

**On the Cutting Edge** Professional Development for Geoscience Faculty

<http://serc.carleton.edu/NAGTWorkshops/index.html>

**PODS Physical Oceanography Dissertation Symposium**

<http://www.pods-symposium.org/>

**AGS-PRF Postdoctoral Research Fellowships in the Atmospheric and Geospace Sciences**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12779&org=AGS&from=home>

**NCAR Advanced Study Program Postdoctoral Fellowships**

<http://www.asp.ucar.edu/pdfp/pd_announcement.php>

**EAR-PRF NSF Earth Sciences Postdoctoral Fellowships**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503144&org=GEO&sel_org=GEO&from=fund>

**OCE-PRF Ocean Sciences postdoctoral Research Fellowships**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503668>

**Postdoctoral Fellowships in Polar Regions Research**

<http://www.nsf.gov/od/opp/post_doc/pd_resources.jsp>

**IRFP International Research Fellowship Program (IRFP)**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5179&org=OISE&from=home>

**SEES Fellows Science, Engineering and Education for Sustainability Fellows**

<http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504673>

**National Postdoctoral Association** <http://www.nationalpostdoc.org/>