



CLIMATE CHANGE EDUCATION PARTNERSHIP (CCEP) PROGRAM: PHASE II (CCEP-II)

PROGRAM SOLICITATION – NSF 12-523

Informational Webinar
January 11, 2012

General Outline

- Brief history of the CCE/CCEP program
- Goals of the CCEP Phase II competition
- Proposal preparation guidelines
- Proposal review process
- Overview of the CCEP Alliance
- Q&A



History of the CCEP Program

- FY 2009
 - \$10 million dedicated Climate Change Education (CCE) funding
 - *Funds allocated to EHR only*
 - Issued FY 2009 Dear Colleague Letter NSF 09-058
 - *Began shaping a more focused NSF portfolio*
 - Supported 10 CCE awards through core programs

- FY 2010 & FY 2011
 - \$10 million/year dedicated CCE funding
 - *Funds shared among EHR, BIO, GEO, OPP*
 - Initiated Climate Change Education Partnership (CCEP) program
 - *Phase I solicitation (NSF 10-542) issued*
 - Supported 15 CCEP Phase I (CCEP-I) awards
 - Supplements provided to a subset of projects in FY 2011



CCEP Program Goals & Objectives

- Approach:
 - Support innovative climate education projects that are not easily funded through core NSF programs
 - Pursue innovative strategies for climate change education by bringing together climate scientists, learning scientists, and education practitioners
 - Improve potential for impact/scale-up by focusing on climate change impacts shared by a geographic region or 'theme'

- Goals:
 - Foster in learners of all ages a deeper understanding of, and engagement with, the complex processes of the climate system and the potential impacts of a changing climate
 - Foster development of an innovative climate science and technology workforce for the future, through engagement, education, and training

- Objectives:
 - Conduct activities that lead to development, evaluation, dissemination, and increased adoption of effective, high quality educational programs and resources



A Cautionary Note

- “NSF cautions proposers that projects may only present scientific evidence about climate system processes, climate change and climate change impacts so that learners can make informed decisions, without advocating for particular responses to this information. Proposals that prescribe a specific policy position will be returned without review.” – NSF 12-523
- Projects that seek to educate learners about climate adaptation or mitigation solutions and motivate them to take informed action are allowed, but specific action(s) by learners **MUST** not be encouraged by projects supported through Federal funding.
- Service-learning and project-based approaches are effective educational strategies, but again, proposers should not influence the specific actions of individual learners or participants involved in these projects.
- Projects that conduct research on the most effective educational approaches for motivating behavior changes are allowed, but the focus must be on the behavioral **research** and not focused on eliciting a specific behavioral **response**.

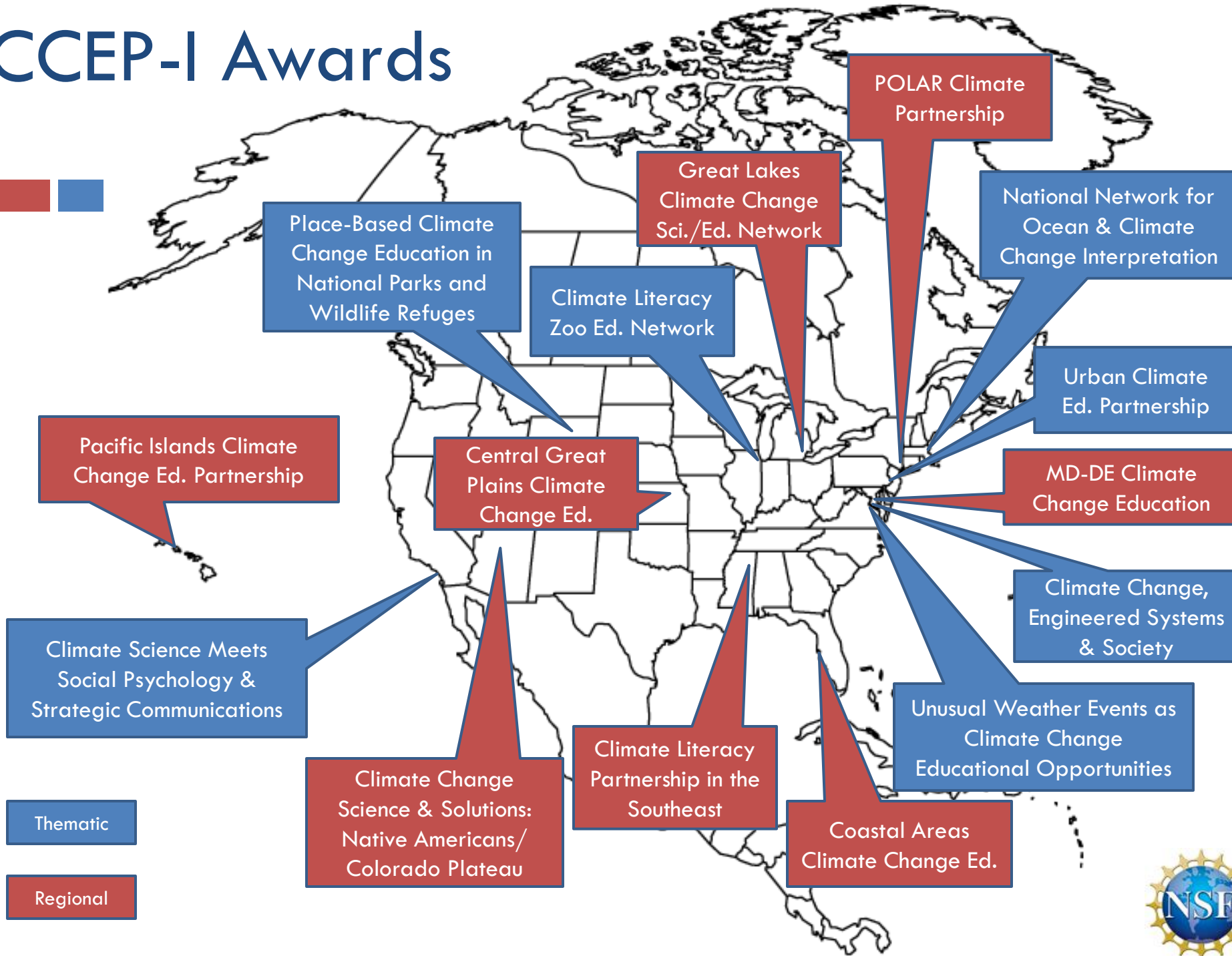


CCEP-I: Phase I of the CCEP Program

- NSF 10-542 program solicitation
- One-time competition in FY 2010
- Up to \$1 million total and 2 years of funding per award
- Primarily a strategic planning phase
 - ▣ Build effective partnerships (connect across different ‘cultures’)
 - ▣ Engage relevant stakeholders
 - ▣ Inventory existing resources and identify additional needs
 - ▣ Evaluate potential of the partnership for Phase II success
 - ▣ Develop a comprehensive strategic plan for Phase II
- Fifteen awards made in FY 2010 – see www.nsf.gov/sees/
- FY 2011 opportunity for supplemental funding
 - ▣ Partnership expansion and/or early implementation of foundational or pilot pre-Phase II activities



CCEP-I Awards



CCEP-II: Phase II of the CCEP Program

- NSF 12-523 program solicitation
- One-time competition in FY 2012
- Funding
 - \$38 million total anticipated [\$10m in FY 2012; \$7m/yr in FY 2013-2016]
 - Anticipate funding 5 to 7 CCEP-II awards – Cooperative Agreements
 - Up to 5 years of funding and up to \$6.25 million total per award
- Required Letter of Intent (LOI)
 - Deadline: January 24, 2012 (COB)
 - Authorized Organizational Representative (not just the PI) must submit **
- Full proposals
 - Deadline: March 21, 2012 (COB)
 - Late proposals or proposals that do not meet the guidelines of the CCEP-II solicitation and/or NSF Grant Proposal Guide will be returned without review



Key Elements of a CCEP-II Project - 1

- Existing collaboration among three types of expertise:
 - ▣ Required core partners: Climate Scientists; Learning Scientists; Education Practitioners (Formal or Informal) – need at least one of each
 - ▣ Other expertise allowed, but **in addition to** the core expertise
 - ▣ Evidence of prior successful collaboration among core partners essential

- Regional or Thematic Focus for the Partnership:
 - ▣ Unified by similar climate change impacts

- Scale of educational impact is significant:
 - ▣ Either in terms of number of learners reached over project lifetime or in the legacy effects for improved climate education

- Partnership can demonstrate its potential to achieve its goals & objectives for Phase II



Key Elements of a CCEP-II Project - 2

- Project team has completed a robust strategic planning process:
 - Key stakeholders are identified, with a track record of engagement
 - Advisory Board with stakeholder representation has been established
 - Existing or needed educational resources are inventoried/identified
 - Clear goals, objectives and measurable outcomes are articulated
 - Phase II activities will use evidence-based best practices or build on successful pilot efforts
 - Feasible implementation plan with realistic timelines has been developed
 - Management plan includes a visionary leader and well-delineated roles
 - Evaluation plan is built on a sound logic model or theory of action
 - Formative and summative evaluation plans, with an external evaluator, include measurable outcomes and impacts

- Proposed partnership activities are not easily funded through other core NSF STEM education programs



Proposal Preparation Guidelines

- CCEP-II Program Solicitation: NSF 12-523

- <http://www.nsf.gov/pubs/2012/nsf12523/nsf12523.pdf>

Formatting instructions in this solicitation supersede guidance in the NSF Grant Proposal Guide.

- NSF Grant Proposal Guide (GPG): NSF 11-1

- http://www.nsf.gov/pubs/policydocs/pappguide/nsf11001/nsf11_1.pdf

Unless otherwise specified in the CCEP-II solicitation, use the instructions in the GPG.



Eligibility & Submission Limitations

- All categories of proposers identified in the NSF GPG may submit a Phase II CCEP proposal
- Prior CCEP Phase I funding is not required
 - ▣ But, proposers must be able to document that Phase I requirements and objectives have been met **
- Collaborative Proposals are not allowed in this competition
 - ▣ Proposal submitted by a Lead Institution with sub-awards for partners
- An institution may submit only one CCEP-II proposal as the Lead Institution
- Institutions can be involved in more than one CCEP-II proposal through sub-awards as a Non-Lead Institution



Letters of Intent (LOI) - REQUIRED

- Submitted through FastLane system
 - ▣ Very brief - template limits Project Synopsis to 2500 characters
- Used for workload and reviewer planning purposes only
 - ▣ NSF provides no feedback to PI's
 - ▣ Proposers are not bound by the content of their LOI
- List the people who represent core expertise areas as PI/Co-PI
 - ▣ Minimum of 3/Maximum of 4 PI/Co-PI in template
 - ▣ Other partners identified in the body of the Project Synopsis
- Project Synopsis:
 - ▣ Briefly outline region/theme, rationale for establishing the Partnership, major goals, and anticipated outcomes/impacts
 - ▣ Identify all other key participating organizations and their representatives
 - ▣ Identify members of the Advisory Board and their affiliations

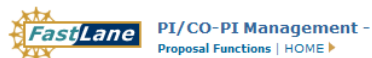


Browser address bar: <https://www.fastlane.nsf.gov/researchadmin/piLOIHome.do>

Browser tabs: Electronic Jacket, FastLane :: PI/CO-PI...

Browser menu: File, Edit, View, Favorites, Tools, Help

Browser toolbar: Home, Back, Forward, Stop, Refresh, Print, Page, Safety, Tools



Letters of Intent | MAIN ▶

Organization: National Science Foundation

[Create New LOI from Program Solicitation](#)

[Edit/View LOI](#)

Search for Program Solicitations by any of the following:

Program Solicitation ID:

Program Solicitation Title:

NSF Organization:

LOI Due Date by range (mm/dd/yyyy)

From: To:

[Search](#)

[View All](#)

Available Program Solicitations

The program solicitations identified below require, or in some cases make optional, submission of a Letter of Intent. Proposers are advised, however, that there may be other NSF program solicitations that also include instructions regarding submission of a LOI that are not shown here. Contact the FastLane Help Desk if you do not see the Program Solicitation listed for the LOI you are trying to submit. Click on the Program Solicitation ID link (e.g. NSF 04-001) to view a Program Solicitation (opens a new browser window). Sort results by clicking on the column title.

15 Program Solicitations found, displaying 1 to 10

[Prev] 1, 2 [Next]

Program Solicitation ID	Program Solicitation Title	LOI Due Date	NSF Organization	LOI Action
NSF 12-516	Industry/University Cooperative Research Centers Program	01/02/2012	Division of Industrial Innovation and Partnerships	Create
NSF 12-511	Partnerships for Innovation	01/04/2012	Division of Industrial Innovation and Partnerships	Create
NSF 12-519	Historically Black Colleges and Universities Undergraduate Program	01/20/2012	Division of Human Resource Development	Create
NSF 12-523	Climate Change Education Partnership (CCEP) Program, Phase II	01/24/2012	Directorate for Education & Human Resources	Create
NSF 12-525	Robert Noyce Teacher Scholarship Program	02/27/2012	Division of Undergraduate Education	Create
NSF 11-587	Cyberlearning: Transforming Education	05/14/2012	Directorate for Computer & Information Science & Engineering	Create
NSF 06-580	Focused Research Groups in the Mathematical Sciences	08/17/2012	Division of Mathematical Sciences	Create
NSF 10-599	Opportunities for Enhancing Diversity in the Geosciences (OEDG)	09/03/2012	Directorate for Geosciences	Create
NSF 10-516	Research on Gender in Science and Engineering	09/04/2012	Division of Human Resource Development	Create
NSF 11-571	EMERGING FRONTIERS IN RESEARCH AND INNOVATION 2012	09/30/2011	Office of Emerging Frontiers in Research and Innovation (EFRI)	Create

Export options: Excel

Download [Adobe Acrobat Reader](#) for viewing PDF files

Create New LOI

Required Fields are preceded by an asterisk (*)

Program Solicitation Information:

LOI Due Date: 01/24/2012

Program Solicitation ID: [NSF 12-523](#)

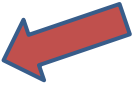
Program Solicitation Title: Climate Change Education Partnership (CCEP) Program, Phase II

Project Information:

LOI ID: N/A

* Project Title:

* Synopsis:
(max 2,500 chars)



Identify any Additional Partners not identified below & Advisory Board members

Organizational Attribute: Please select ...

List of Additional Partner Organizations and their Representatives:
(max 255 chars)

Point of Contact for NSF Inquiries:

Use this user as point of contact

First Name: Jill
Middle Initial: L
Last Name: karsten
Telephone Number: 7032927718
Email Address: jkarsten@nsf.gov
Department: GEO/OAD

Use this (alternate) name as point of contact

* First Name:
Middle Initial:
* Last Name:
* Telephone Number:
* Email Address:
* Department:

Project PI:

* First Name:
Middle Initial:
* Last Name:

Identify Core Experts



* Organization Name:

Identify Additional Partners



Other Senior Project Personnel:

No Personnel found

Personnel Name

(Min of 3 required for this LOI, Max of 4)

Participating Organizations:

No Organizations found

Organization Name

(Min of 0 required for this LOI, Max of 15)

Proposal Preparation - 1

- Unless otherwise specified in solicitation, follow GPG
- NSF Cover Page
 - ▣ Project title should begin with “**CCEP-II:...**”
 - ▣ Select EHR/DUE as unit of consideration
 - ▣ Indicate IRB status (e.g., pending, approved)
- Project Summary
 - ▣ 1 page maximum length
 - ▣ **Must** separately address Intellectual Merit and Broader Impacts criteria – use headers!
 - ▣ Should identify core and supporting partner organizations as per NSF 12-523 solicitation guidance



Proposal Preparation - 2

- Project Description Section:
 - ▣ Up to 20 pages of text allowed **
 - ▣ Should include the following sub-sections:
 - Vision, Goals & Outcomes
 - The Partnership
 - Strategic Planning Summary
 - Research & Implementation Framework
 - Management Plan
 - Evaluation Plan
 - Dissemination Plan
 - Sustainability Plan



Proposal Preparation - 3

- Supplementary Documentation section:
 - ▣ Postdoctoral Researcher Mentoring Plan (as needed)
 - ▣ Data Management Plan (data includes evaluation data) **
 - ▣ Advisory Board Membership **
 - ▣ External Evaluator: 2-page Biographical Sketch **
 - *Use the format specified in GPG for Senior Personnel*
 - ▣ Evaluation Conceptual Framework: 1-page summary diagram **
 - *Underlying logic model or theory of action for the evaluation plan*
 - ▣ Letters of Commitment **
 - *Include all Senior Personnel to be funded, members of Advisory Board, other major contributors to the project who are committing time, resources, or institutional access*
 - ▣ IRB Documentation (if available)

- Special Information section:
 - ▣ Combined Conflict of Interest Statement for PI, all Co-PI's and all Senior Personnel (use format given in NSF 12-523) **

**** = Required**



Proposal Preparation - 4

- Budget Section:
 - ▣ Include travel funding for participation of up to 3 senior personnel (PI/Co-PI's) in annual PI meetings
 - ▣ Include travel funding for participation of PI from Lead Institution in annual meetings of the CCEP Alliance (every six months; one in conjunction with PI meeting)
- Remember: If not specified in the NSF 12-523 program solicitation, follow the GPG rules!!



Review Process for CCEP-II Proposals

- Compliance checking within 2 weeks of proposal deadline
 - ▣ NSF will be very rigorous about formatting; proposals must meet guidelines and requirements of the GPG/CCEP-II solicitation or they will be Returned Without Review
- Merit Review Panel(s) convened in early May 2012
- Reverse Site Visits (by teleconference) conducted with PI team in mid- to late-May 2012
- Cooperative Agreements negotiated in early June 2012
- Project start date – September 15, 2012



Review Criteria

- Standard NSF Review Criteria apply
 - ▣ Intellectual Merit and Broader Impacts

- Additional Review Criteria apply - see CCEP-II solicitation
 - ▣ Potential for Impact
 - ▣ The Partnership
 - ▣ Strategic Plan
 - ▣ Phase II Activities
 - ▣ Management Plan
 - ▣ Evaluation Plan
 - ▣ Dissemination Plan
 - ▣ Sustainability Plan



Other Expectations for CCEP-II Projects

- All CCEP-II projects are required to be represented at annual Principal Investigator meetings
 - ▣ Tri-agency meetings with NASA/NOAA awardees
 - ▣ Anticipate 3-day Spring meetings in Washington, DC
- All CCEP-II projects will be reviewed by NSF program staff through Site Visits in Years 2 or 3
- All CCEP-II awardees are required to participate in CCEP program evaluation activities
 - ▣ This would be in addition to project-level evaluation of CCEP-II projects
 - ▣ Program evaluation conducted by NSF and a third-party contractor
- All CCEP-II projects are required to participate in the CCEP Alliance



CCEP Alliance (CCEPA)

- Each CCEP-II Partnership will be represented on the CCEPA by the PI from the Lead Institution (or their designated representative)
- Purpose of CCEPA:
 - ▣ To foster communication, coordination, and synergy among the projects
 - ▣ To share resources and strategies developed by individual projects
 - ▣ To identify common needs and issues
 - ▣ To facilitate implementation of program-wide evaluation
- CCEPA meetings:
 - ▣ Monthly (by teleconference)
 - ▣ Semi-annually (in person)
 - Fall CCEPA meeting in Washington, DC
 - Spring CCEPA meeting in conjunction with annual PI meetings



CCEPA Office

- A small office will be established to provide administrative and logistical support for activities of CCEPA, including:
 - ▣ Convene and facilitate annual PI meetings
 - ▣ Organize and document monthly CCEPA telecon meetings
 - ▣ Convene and facilitate semi-annual CCEPA meetings
 - ▣ Develop and maintain a CCEP Alliance web site
 - Provide a layer of coherence
 - Link to individual project web sites
 - ▣ Help facilitate program-wide evaluation implementation

- CCEPA Office will be funded through a Contract or Cooperative Agreement, starting in early FY 2013:
 - ▣ Request for Proposals will be issued by summer 2012 (after CCEP-II decisions)
 - ▣ Organizations involved in a CCEP-II award are not eligible to apply
 - ▣ Office will be of fairly limited scope, due to budget realities



Litmus Test: Is This a CCEP-II Proposal?

- Could the project be funded through a core NSF program?
 - ▣ If yes, then this is not a CCEP-II project
- Does the Partnership include the three required areas of expertise? Is there evidence that the core team has a track record of successful interdisciplinary collaboration?
- Is the proposal framed around climate change impacts for a geographic region or theme?
- Has the project team developed – through stakeholder engagement and needs assessments – a coherent strategic plan for Phase II, with strong management, evaluation and implementation plans?
- Are the activities to be undertaken in Phase II likely to have substantial or transformative impact on climate education and learning?
- Is there potential for the project to lead to increased adoption of effective, high quality educational programs and resources related to the science of climate change and its impacts?



Points of Contact

- Education & Human Resources
 - David Campbell (dcampbel@nsf.gov; 703-292-5093)
 - Peter Lea (plea@nsf.gov; 703-292-8670)
 - Ed Geary (egeary@nsf.gov; 703-292-4960)

- Biological Sciences
 - Sally O'Connor (soconnor@nsf.gov; 703-292-8470)
 - Elizabeth Friar (efriar@nsf.gov; 703-292-7135)

- Geological Sciences
 - Jill Karsten (jkarsten@nsf.gov; 703-292-8500)
 - Lina Patino (lpatino@nsf.gov; 703-292-5047)

- Office of Polar Programs
 - Peter West (pwest@nsf.gov; 703-292-7530)

