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

PROGRAM SOLICITATION – NSF 12-523
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

Thematic
- Climate Science Meets Social Psychology & Strategic Communications
- Climate Change Science & Solutions: Native Americans/Colorado Plateau
- Unusual Weather Events as Climate Change Educational Opportunities
- Climate Change, Engineered Systems & Society
- Pacific Islands Climate Change Ed. Partnership
- Central Great Plains Climate Change Ed.
- MD-DE Climate Change Education
- Climate Literacy Partnership in the Southeast
- Coastal Areas Climate Change Ed.

Regional
- Place-Based Climate Change Education in National Parks and Wildlife Refuges
- Great Lakes Climate Change Sci./Ed. Network
- National Network for Ocean & Climate Change Interpretation
- Urban Climate Ed. Partnership
- POLAR Climate Partnership

Partnerships:
- POLAR Climate Partnership
- Climate Literacy Zoo Ed. Network
- Great Lakes Climate Change Sci./Ed. Network
- National Network for Ocean & Climate Change Interpretation
- Urban Climate Ed. Partnership
- MD-DE Climate Change Education
- Climate Change, Engineered Systems & Society
- Pacific Islands Climate Change Ed. Partnership
- Central Great Plains Climate Change Ed.
- Climate Literacy Partnership in the Southeast
- Coastal Areas Climate Change Ed.
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

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

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

  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
### Letters of Intent

**Create New LOI from Program Solicitation**

#### Search for Program Solicitations by any of the following:

- Program Solicitation ID: [ ]
- Program Solicitation Title: [ ]
- LOI Due Date by range (mm/dd/yyyy): [ ]
- From: [ ]
- To: [ ]

#### 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 04-201) to view a Program Solicitation (opens a new browser window).

Sort results by clicking on the column title.

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<th>Program Solicitation Title</th>
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<tr>
<td>NSF 12-511</td>
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<td>Climate Change Education Partnership (CCEP) Program, Phase II</td>
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<td>NSF 10-523</td>
<td>Opportunities for Enhancing Diversity in the Geosciences (DEG)</td>
<td>09/03/2012</td>
<td>Directorate for Geosciences</td>
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<td>Research on Gender in Science and Engineering</td>
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<td>NSF 11-571</td>
<td>EMERGING FRONTIERS IN RESEARCH AND INNOVATION 2012</td>
<td>09/30/2011</td>
<td>Office of Emerging Frontiers in Research and Innovation (EPRU)</td>
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Download Adobe Acrobat Reader for viewing PDF files.
Identify Core Experts

Identify Additional Partners

Identify any Additional Partners not identified below & Advisory Board members
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
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)