Agency: NSF
Opportunity: Dynamics of coupled natural and human systems (CNH)
Deadline: 3rd Tuesday in November
Synopsis:

Agency: NSF
Opportunity: Engineering for Natural Hazards
Deadline: February 1-17, 2015; September 1-15, 2015
Synopsis:
The goals of the Engineering for Natural Hazards (ENH) program are to prevent natural hazards from becoming disasters, and to broaden consideration of natural hazards independently to the consideration of the multi-hazard environment within which the constructed civil infrastructure exists. The ENH program, PD 15-7396, replaces the annual George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) research (NEESR) program solicitations to enable proposal submissions during the two CMMI unsolicited proposal submission windows each year, with the due dates shown above, and to support fundamental research for a broader range of natural hazards, including earthquakes, windstorms (tornadoes and hurricanes), tsunamis and landslides. The ENH program also supports natural hazards engineering research that had been supported under the Hazard Mitigation and Structural Engineering Program (HMSE) (PD 13-1637) and the Geotechnical Engineering (GTE) Program (PD 12-1636). The constructed civil infrastructure supported by the ENH program includes building systems such as the soil-foundation-structure-envelope-nonstructural system, as well as the facade and roofing, and other structures, geosystems, and underground facilities such as tunnels. While research may focus on a single natural hazard, research that considers civil infrastructure design and performance in the context of multiple hazards, that is, a multi-hazard approach, is encouraged. Research may integrate geotechnical, structural, and architectural engineering advances with discoveries in other science and engineering fields such as earth and atmospheric sciences, materials science, mechanics of materials, dynamical systems and control, systems engineering, decision theory, risk analysis, high performance computational modeling and simulation, and social, behavioral, and economic sciences. Multi-disciplinary and international collaborations are encouraged. Research topics of interest to the ENH program include, but are not limited to: advances in system-level design concepts for new and existing sustainable civil infrastructure to achieve desired lifetime system-level performance under single or multi-hazard loadings; advances in geotechnical engineering for design and construction of natural hazard-resistant foundations and geosystems, liquefaction mitigation, soil-foundation-structure interaction, levee and earth dam stability, and landslide, mudflow and debris flow analysis and mitigation, with a focus on field or system performance; applications of decision theory for design concepts for civil infrastructure to achieve desired lifetime system-level performance for both multi-hazard resilience and sustainability; and advances in computational modeling and simulation that integrate theory, computation, experimentation, and data, as appropriate, to advance natural hazard mitigation for civil infrastructure. The ENH program encourages knowledge dissemination and technology transfer activities that can lead to broader societal benefit and implementation for natural hazard mitigation for civil infrastructure.
Agency: NSF  
Opportunity: Energy for Sustainability  
Deadline: October 1 – October 20, 2015  
Synopsis: The goal of the Energy for Sustainability program is to support fundamental engineering research and education that will enable innovative processes for the sustainable production of electricity and transportation fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources.

Agency: NSF  
Opportunity: Cyber-Innovation for Sustainability Science and Engineering (CyberSEES)  
Deadline: February 3, 2015, every first Tuesday in February thereafter  
Synopsis: The Cyber-Innovation for Sustainability Science and Engineering (CyberSEES) program aims to advance interdisciplinary research in which the science and engineering of sustainability are enabled by new advances in computing, and in which computational innovation is grounded in the context of sustainability problems.

Agency: NSF  
Opportunity: Coastal SEES  
Deadline: October 2, 2015  
Synopsis: Coastal SEES is focused on the sustainability of coastal systems. For this solicitation we define coastal systems as the swath of land closely connected to the sea, including barrier islands, wetlands, mudflats, beaches, estuaries, cities, towns, recreational areas, and maritime facilities; the continental seas and shelves; and the overlying atmosphere.

Agency: NSF  
Opportunity: Geography and Spatial Sciences Program  
Deadline: September 3, 2015  
Synopsis: As specified in the Geography and Spatial Sciences Program strategic plan, the goals of the NSF Geography and Spatial Sciences (GSS) Program are:

- To promote scientific research in geography and the spatial sciences that advances theory and basic understanding and that addresses the challenges facing society.
- To promote the integration of geographers and spatial scientists in interdisciplinary research.
- To promote education and training of geographers and spatial scientists in order to enhance the capabilities of current and future generations of researchers.
- To promote the development and use of scientific methods and tools for geographic research.
Agency: **NSF**  
Opportunity: **Geomorphology and Land-Use Dynamics**  
Deadline: **July 16, 2015**  
Synopsis: Geomorphology and Land-use Dynamics supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic, biologic, and tectonic influences and in light of changes due to human impact.  

Agency: **NIH, NIEHS**  
Opportunity: **Creating Virtual Consortium for Translation/Transdisciplinary Environmental Research (ViCTER)**  
Deadline: **LOI: February 4, 2015, Full: March 4, 2015**  
Synopsis: The purpose of the ViCTER program is to foster and promote transdisciplinary collaborations and/or translational research efforts among basic (technology and mechanism oriented), clinical (patient-oriented) and population-based researchers and other individuals with expertise relevant to environmental health who have come together in common interest around a particular environmental stressor(s) of interest. For the purposes of this FOA, transdisciplinary research is defined as the use of cross-disciplinary methods, insights, and research approaches that would not have occurred with a traditional uni-disciplinary investigation and translational research is defined as research that stimulates the bidirectional flow of information across the spectrum of in vitro, model organisms and animal models, human populations or clinically-based research to provide data useful for the prevention of or the intervention in human disease.  

Agency: **NIH, NIEHS, NINR**  
Opportunity: **Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants**  
Deadline: **standard R01**  
Synopsis: This Funding Opportunity Announcement encourages applications using community-engaged research methods to investigate the potential health risks of environmental exposures of concern to the community and to implement an environmental public health action plan based on research findings. The overall goal is to support changes to prevent or reduce exposure to harmful environmental exposures and improve the health of a community.  

Agency: **NIH, EPA, NIEHS, NCER**  
Opportunity: **Children’s Environmental Health and Disease Prevention Research Centers**  
Deadline: **September 1, 2015**
Synopsis: This Funding Opportunity Announcement (FOA) encourages grant applications to support a transdisciplinary program of basic and applied research to examine the effects of environmental factors on children’s health and well-being. Research conducted through the Centers should include substantive areas of science in children’s health while incorporating innovative technologies and approaches and links to the environment. This program encourages strong links between disciplines in the basic, applied, clinical and public health sciences to prevent disease and promote health of all children. - See more at: http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-002.html#sthash.gFYVMpgO.dpuf

Additional Information: http://www.niehs.nih.gov/research/supported/dert/programs/prevention/

Agency: NOAA
Opportunity: NOAA RESTORE Act Science Program
Deadline: LOI: January 30, 2015
Synopsis:
The purpose of this document is to advise the public that NOAA/NOS/NCCOS is soliciting research applications from the NOAA Gulf Coast Ecosystem Restoration Science, Observation, Monitoring, and Technology Program (NOAA RESTORE Act Science Program) for projects typically 1 to 2 years in duration. Funding is contingent upon the availability of funds in the Gulf Coast Restoration Trust Fund. It is anticipated that final recommendations for funding under this announcement will be made in June 2015, and that projects funded under this announcement will have a September 1, 2015 start date. Total funding for this research: approximately $2,000,000 to $2,500,000. Approximately 3 to 7 projects are expected to be funded at the level of approximately $200,000 to $400,000 per project.

Additional Information: http://www.grants.gov/web/grants/view-opportunity.html?oppId=270568

Agency: EPA
Opportunity: Environmental Education Model Grants Program
Deadline: February 2, 2015
Synopsis:
The purpose of the Environmental Education Model Grant Program is to support model, replicable projects that increase public awareness and knowledge about environmental issues and provide the skills that participants in its funded projects need to make informed environmental decisions and take responsible actions toward the environment.

Additional Information: http://www2.epa.gov/education/environmental-education-ee-grants

Agency: Department of Commerce
Opportunity: FY15 Coral Reef Conservation Program Domestic Coral Reef
Deadline: January 7, 2015
Synopsis:
The NOAA Coral Reef Conservation Grant Program, as authorized under the Coral Reef Conservation Act of 2000, provides matching grants of financial assistance through the Domestic Coral Reef Conservation Grant program to institutions of higher education, non-profit organizations, commercial organizations, and local and Indian tribal
government agencies. These awards are intended to support coral reef conservation projects in shallow water coral reef ecosystems, including reefs at mesophotic depths, in American Samoa, the Commonwealth of the Northern Mariana Islands, Florida, Guam, Hawaii, Puerto Rico, the U.S. Virgin Islands, and coral-dominated banks in U.S. portions of the Gulf of Mexico. Projects may be proposed in the Northwestern Hawaiian Islands and the U.S. Pacific Remote Island Areas, but these locations are not considered geographic priorities under this announcement. Proposals submitted to this competition must address at least one of the following four categories: 1) Fishing Impacts; 2) Land-Based Sources of Pollution; 3) Climate Change; and 4) Local and Emerging Management Issues. Each category is described in more detail in the Federal Funding Opportunity announcement. All proposed work must be consistent with Coral Reef Conservation Program (CRCP) National Goals and Objectives 2010-2015 (http://coralreef.noaa.gov/aboutcrpc/strategy/currentgoals/resources/3threats_go.pdf) and/or the relevant Jurisdictional Coral Reef Management Priorities (http://coralreef.noaa.gov/aboutcrpc/strategy/reprioritization/managementpriorities) developed for each of the seven states and territories. Proposals selected for funding through this solicitation will be implemented through a grant and will require a 1:1 match of non-Federal funds. Funding for this program is subject to the availability of FY 2015 Congressional appropriations and is expected to range between approximately $800,000 to approximately $1,000,000. Funding made available from NOAA's Coral Reef Conservation Program is intended to support priority coral reef management activities as described in Section I(B) of this Federal Funding Opportunity announcement. Funding will be divided among the U.S. Pacific and Atlantic regions to maintain the geographic balance of the CRCP Grant Program portfolio overall, as required by the Coral Reef Conservation Act of 2000. NOAA expects that each applicant will request Federal funding at a funding level between $30,000 and $80,000 under this solicitation and that the average award size will be approximately $50,000.

Additional Information: http://coralreef.noaa.gov/aboutcrpc/strategy/currentgoals/resources/3threats_go.pdf