

(tracked_opps)	Funding (Funding_main)	Profiles (profiles/main)	Funding <input type="text" value="Search"/>
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Funding Search Results (Funding/results) Funding Opp Detail

Agriculture and Food Research Program - Agriculture and Natural Resources Science for Climate Variability and Change Challenge Area - Climate and Land Use

Opp ID: 168257 | Meeting or Conference or Seminar Program or Curriculum Development or Provision | Last edited on: 15 Nov 2016

Full Details

Website: <http://www.grants.gov/web/grants/view-opportunity.html?oppid=285990>
(<http://www.grants.gov/web/grants/view-opportunity.html?oppid=285990>)

Sponsor: United States Department of Agriculture (USDA)
National Institute of Food and Agriculture (NIFA)
Sponsor ID: USDA-NIFA-AFRI-005942

CFDA Numbers: 10.310 - Agriculture and Food Research Initiative (AFRI)

Amount: Upper \$1,000,000 use
Coordinated Agricultural Project (CAP) Grants must not exceed \$1 million per year (including indirect costs) for project periods of up to 4 years. This Program Area anticipates making 2 awards at this level in FY 2016.

Applicant Type: Academic Institution

Citizenship or Residency: United States

Activity location: United States

Abstract: The purpose of AFRI is to support research, education, and extension work by awarding grants that address key problems of national, regional, and multi-state importance in sustaining all components of food and agriculture, including farm efficiency and profitability, ranching, renewable energy, forestry (both urban and agroforestry), aquaculture, rural communities and entrepreneurship, human nutrition, food safety, physical and social sciences, home economics and rural human ecology, biotechnology, conventional breeding, and including both conventional and organic food production systems. Through this support, AFRI advances knowledge in both fundamental and applied sciences that is important to agriculture. It also allows AFRI to support education and extension activities that deliver science-based knowledge to people, allowing them to make informed practical decisions. This AFRI RFA is announcing funding opportunities for integrated projects and extension-only projects.

For FY2016, the AFRI Agriculture and Natural Resources Science for Climate and Variability Challenge Area (AFRI ANRCV) encourages proposals that address the patterns, processes, and consequences (including GHG emissions and other climate feedbacks) of changes in land use and their drivers, particularly considering intensive farming and forestry systems at multiple spatial and temporal scales, studies that examine the social and behavioral aspects of adoption of adaptive measures and best management practice in the context of changing weather patterns & climate, to ultimately support sustainable and resilient agricultural landscapes into the future.

This program area explores how the mosaic of land use types affect and are affected by climate variability and change through integrated projects that focus on sustainable intensive agricultural systems, including crop, livestock, and forestry production. Projects should aim to promote and enhance resilient and sustainable food/fiber supply chain systems under a changing climate, and address mitigation-adaptation dynamics of responses to climate variability and change. Land use and how this might be impacted by climate change should be the focus. The goal of this program is to produce a greater understanding of underlying processes, drivers and consequences of land use change, including bio-physical and biogeochemical processes, climate feedbacks, and environmental outcomes, and social, behavioral, economic and land use interactions. Projects should use a holistic and systems approaches to identify and quantify the climate adaptation and mitigation tradeoffs associated with changes and trends in intensified agricultural production systems across the landscape to inform decision makers of best management practices, land use and policies for resilient and sustainable agriculture and forestry production systems.

Applications should examine the entire food/fiber supply chain to: 1) identify critical points of intervention along the entire supply chain that are most vulnerable to climate impacts in order to establish best practices, and 2) determine points of intervention that have greatest potential to reduce emissions and increase carbon sequestration for the mitigation of climate change. In addition to the ecological, biogeochemical and technical processes, the project should also evaluate the socio-economic matrix and land use impacts along the food/fiber supply chain system.

Eligibility: Eligible applicants for Integrated Projects include: 1) colleges and universities, 2) 1994 Land-Grant Institutions, and 3) Hispanic-serving agricultural colleges and universities.

Keywords: Agriculture and Food Sciences (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0200000)
Forestry and Woodlands (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0201032)
Food Safety (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0202016)
Land Management or Land Use (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0201038)
Aquaculture or Hydroponics (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0201066)
Climate Change (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=1001001)
Human Ecology (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=1007020)
Home Economics (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=1101500)
Social Sciences (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0400000)
Agricultural Biotechnology (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0201101)
Renewable Energy (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=1275000)
Animal Genetics or Breeding (fundingresults?fq_citizen%5B%5D=1&fq_citizen%5B%5D=6&keyword=Explosion&keywords%5B%5D=0201016)

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%20%27Agriculture%20and%20Food%20Research%20Program%20-%20Agriculture%20and%20Natural%20Resources%20for%20Climate

Potential Collaborators

351 from inside your institution (related faculty_matches?inside_org_fiber=true&oid=168257&ch=funding_opps&tr=person)

500+ from outside institutions (related faculty_matches?oid=168257&ch=funding_opps&outside_org_fiber=true&tr=person)

Funding Contact Person

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Upcoming Deadlines

Date	What's Due	Notes
14 Sep 2017 Anticipated	Letter of Intent Sponsor deadline - No, but strongly suggested	
17 Nov 2017 Anticipated	Application Sponsor deadline - required	