

Joint Fire Science Program (JFSP)
Off-Cycle Funding Opportunity Notice (FON)
Fire and Smoke Model Evaluation Experiment, Phase 2
Anticipated Release: February 16, 2017

The interagency Joint Fire Science Program (JFSP) intends to request proposals through a formal Funding Opportunity Notice (FON) announcement beginning approximately February 16, 2017 and remaining open through April 19, 2017. The intent of this announcement is to provide an early alert to investigators interested in the Fire and Smoke Model Evaluation Experiment (FASMEE), Phase 2 listed below so that they can begin considering responsive ideas with potential partners and collaborators.

Investigators should recognize that final decisions regarding task statement descriptions will not be made until the FON is released. Investigators should recognize this uncertainty and not invest substantial time or resources working on proposals until the FON and its associated task statements are formally posted. Investigators should not contact the JFSP Office or Governing Board members seeking further information on these task statements. No further information will be released until the FONs are formally posted.

Fire and Smoke Model Evaluation Experiment (FASMEE)

The Joint Fire Science Program (JFSP), in partnership with the Department of Defense, Environmental Security Technology Certification Program (ESTCP), previously initiated planning for Phase 1 of FASMEE. It is anticipated that the JFSP will offer an off-cycle FON in February 2017 that will solicit for proposals to participate in Phase 2—data collection, data archival, and initial model evaluation—of FASMEE. In brief, this experiment is being designed as large-scale field campaigns to:

- develop and apply relevant measurement/data collection techniques at different spatial and temporal scales;
- provide resultant critical observational data necessary to evaluate and advance operationally used and next generation fire and smoke modeling systems; and
- provide data to support the underlying scientific basis for fire and smoke models.

The FASMEE field campaigns are anticipated to be conducted as large operational prescribed fires targeting heavier fuel loads and high intensity fire in forested sites in the western United States (U.S.) and lesser fuel loads and lower intensity fires in the southeastern U.S. Research burns are planned for ignition no earlier than late 2018 and no later than early 2021. Depending on total funding availability, four or more burns are planned. To leverage resource and scientific opportunities, the JFSP is pursuing a collaborative multi-agency approach to execute FASMEE that includes agency partnerships.

The FASMEE FON will include multiple task statements organized by research disciplines, potentially including observations related to:

- Fuels and consumption
- Fire behavior and energy
- Plume dynamics and meteorology
- Smoke emissions, chemistry, and transport.

For additional information regarding FASMEE Phase 1, please visit the FASMEE website at fasmee.net.