



**NASA Science Meeting, GOFC-GOLD and NEESPI Workshop and Regional Conference**

**Impacts of extreme weather on natural, socio-economic, and land-use systems:**

**Focus on the 2010 summer anomaly in the Volga region**

*June 18 – 22, 2012*

*Mari State Technical University, Yoshkar-Ola, Mari El, Russian Federation*

### **Workshop Objectives**

The anomalous weather in the summer of 2010 in European Russia led to a number of significant local, regional, and global impacts. While their full extent and long-term consequences have not been fully explored, the immediate and short-term consequences are known to have had a major impact on natural and socio-economic systems within and outside Russia, with a particularly noticeable impact on agricultural production and wildland fire. With the projected changes in global climate, frequency of extreme weather conditions, the accompanying wildfire occurrence in Northern Eurasia is projected to increase. The anomalous summer of 2010 presents a unique and important case study for developing a better understanding of potentially frequent events of the future and their impact on natural and socio-economic systems within Northern Eurasia and globally, and the decision support systems that could benefit from this understanding.

The proposed topical workshop will provide a venue for sharing the knowledge and methods of assessing the impacts of drought conditions on natural and human systems in densely populated areas. The workshop aims at combining national, regional, and international expertise in applications of remotely-sensed data processing and analysis in support of scientific and management goals. Specifically this workshop will focus on two major topics: 1) anomalous weather-driven wildfire events, and 2) impacts of anomalous weather conditions on agricultural production.

The conference is supported by START, ScanEx, EFI, IUFRO, and NEESPI.