

# **NASA Remote Sensing Observations for Flood Management**

June 8- 29, 2015

There will be four 1-hour sessions, each session will be held two times a day to allow for national and international participation from different times zones: Time 8-9 AM and 1-2 PM Eastern US.

## **Objective:**

The topics of this webinar are: 1) NASA remote sensing observations for monitoring extreme precipitation and flooding and 2) Flood mapping tools based on the remote sensing observations for flood management and planning

## **Course Agenda:**

**Week-1 (June 8, 2015):** NASA Remote Sensing Data useful for Flood Management, Introduction to Flood Monitoring Tools

**Week-2 (June 15, 2015):** Overview of the i) Global Flood Monitoring System, ii) Near-real Time Global Flood Mapping Tool, and iii) Global Disaster Alert and Coordination System/Global Flood Detection System

**Week-3 (June 22, 2015):** Example of Regional Flood Management over Africa, Overview and Demonstration of the MODIS Inundation Mapping Tool and the Dartmouth Flood Observatory

**Week-4 (June 29, 2015):** Example of Floodplain Management of the Mekong River, Live Demonstration of Selected Flooding Cases using Multiple Web-Tools and GIS

All training materials will be available in English and Spanish.