

Flood Monitoring using NASA Remote Sensing Data
8-9 a.m. US Eastern Time, November 19 to December 10, 2013
(4 webinars: one hour per week)

Registration URL:

<https://attendeegototraining.com/r/4746203923002627585>

Objective:

To introduce NASA remote sensing data and web-based tools for flood monitoring and inundation mapping

Agenda:

- 1) Overview of NASA Remote Sensing and Earth Systems Modeling Data, and Flood Monitoring Tools (19 November 2013)**
 - i) Fundamentals of Remote Sensing and Model data for Flood monitoring*
 - ii) Introduction to Flood Monitoring and Inundation Mapping Tools*
- 2) Overview of Flood Monitoring Tools using Tropical Rainfall Measuring Mission (TRMM) Observations (26 November 2013)**
 - i) ITHACA (Information Technology for Humanitarian Assistance Cooperation and Action) and ERDS (Extreme Rainfall Detection System), ii) Global Flood Monitoring System (GFMS)*
- 3) Overview of Inundation Mapping using MOderate-resolution Imaging Spectroradiometer (MODIS) Observations (3 December 2013)**
 - i) MODIS Inundation Tool ii) the Flood Observatory, iii) Case Studies of Inundation Mapping and Comparison with GFMS and ITHACA-ERDS*
- 4) Overview of Flood Tools Using Multi-Satellite Observations (10 December 2013)**
 - i) Global Disaster Alert and Coordination System (GDACS)/Global Flood Detection System (GFDS), ii) Flooding Studies with Multiple Tools and GIS Applications*