Mapathon Submission (For username: mapathon2281)

Occurrence of natural disasters like floods can severely impact human life and resources in the affected areas. Proper knowledge and insight is necessary to mitigate such disasters and be prepared to plan relief activities.

Satellite Remote Sensing has a big role to play, since it enables us to constantly analyze the flood situation (at a larger scale) and enable us to make quicker decisions related to disaster management.

The data we have used has been derived from microwave and optical remote sensing platforms by using appropriate techniques of image classification.

The use of data has been acknowledged below:

I/We have used the flood inundation information for my/our research work from DSC-Flood Project, Disaster Management Support Programme, RS&GIS AA, National Remote Sensing Centre, ISRO, Hyderabad, India.

We have created the Annual Flood Monitoring Map for the district of Darbhanga in the state of Bihar from 2008 to 2011. QGIS has been used to generate the individual maps and then we have combined it into a single graphics interchange format (gif file).