

Abstract for IGARSS 2009

The Namibian Flood/Vector Disease SensorWeb Pilot Project for Early Warning

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Over the past year, a large group of diverse organizations which include the U.N., Namibian government, NASA, the Canadian Space Agency, the Taiwan National Space Program Office, the Ukraine Space Research Institute and others have been conducting a series of experiments to streamline the collection of satellite data for the purpose of aiding decision makers in disasters. In this pilot, a variety of moderate resolution and high resolution satellite flood imagery was rapidly delivered and used in conjunction with flood predictive models in Namibia during their flood disasters in March/April 2009. This was collected in conjunction with ground measurements and will be used to examine how to create a customized flood early warning system that can be demonstrated for next year's Namibia flood season. In addition, the effort also attempts to prototype combining various climate and weather conditions with epidemiological data to also demonstrate a vector/water borne disease early warning system. We will present our progress to date. We also will present our vision to include other African nations neighboring Namibia which are along the Zambezi River.