



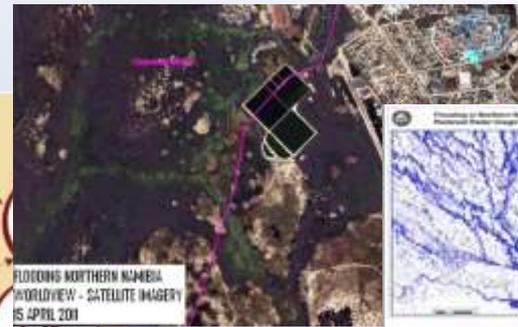
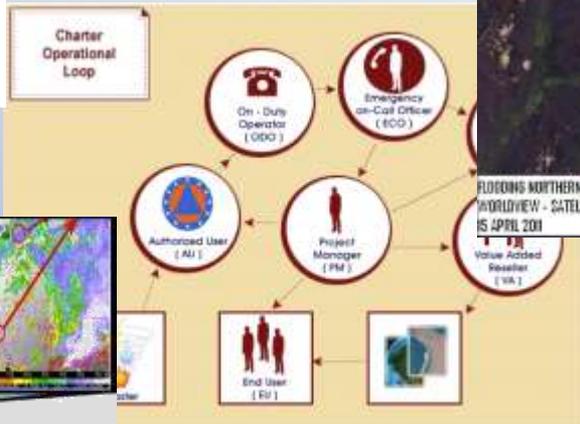
GEOSS Architecture for the Use of Satellites for Disaster Management and Risk Assessment GA.4.Disasters

Karen Moe/NASA Earth Science Technology Office
Presented at CEOS-WGISS-33
Tokyo, Japan Conference Call
April 25, 2012





GEOSS Architecture for Satellite Support for Disaster Management & Risk Assessment



11 May 2011

RADARSAT Radar Imagery

Flooding in Northern Namibia
RADARSAT Radar Imagery - 2...



People – Sensors – Data – Processes – Decision Support





GA.4.Disasters Agenda



- GA.4.Disasters – GEOSS Architecture for the Use of Satellites for Disaster Management and Risk Assessment
 - Project Accomplishments
 - WGISS-33 Expected Outcomes
- GA.4.Disasters Architecture draft report – John Evans
- Disaster – Risk Assessment Vision – Serhiy Skakun
- Case Study: Questionnaire and Interviews – John Evans
- Case Study: Namibian Flood Pilot – Dan Mandl
- Next Steps





GA.4.Disasters WGISS Project Status



- GA.4.Disasters architecture drafts in January, April
- Namibian flood pilot team meeting held Jan 23-27
- Joint meeting Feb 13, prior to CEOS SIT. WGISS GA.4.Disasters official task “DI-01-C1_2” Informing Risk Management and Disaster Reduction, Disaster Management Systems
 - Key Deliverable is June 2012 Reference Model release addressing enterprise viewpoint
- Outreach
 - Presented GA.4.Disasters poster to American Geophysical Union Fall Meeting 2011, Earth Science Information Partners Winter Meeting 2012
 - Joint abstract with GEO Architecture Implementation Pilot (AIP-5) accepted for IGARSS July 2012
 - Papers on related technologies accepted to JSTARS Special Issue





GA.4.Disasters WGISS-33 Goals



- WGISS-33 Feedback on GA4D architecture draft & vision
 - Comments, clarifications, pointers for additional information
- What does our June document release entail?
 - Target audience? CEOS / GEO Disasters SBA? ESA lead CEOS task force on DM? Public access?
 - CEOS endorsement?
 - GEO endorsement?
- Solicit additional case studies
 - Seeking lessons learned on need, and how to streamline disaster management/ risk assessment processes to improve use of satellite data products





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