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

Preliminary Recommendations

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Preliminary recommendations for the use of satellite data in disaster & risk management

- Int'l Charter-like coordination / brokering mechanisms for other phases of the disaster lifecycle
  - Warning
  - Recovery
  - Mitigation
- Allow broader data access / data sharing
- Services infrastructure to streamline access
  - Near-real-time services
  - On-demand, user-customizable products
- Open, well-defined interfaces
  - Data access
  - Data processing / interpretation
  - Predictive modeling
  - Sensor tasking

Preliminary recommendations for the use of satellite data in disaster & risk management

- Different users need different data
  - PDFs and JPEGs
  - Quantitative data grids
- Metadata describing fitness for use is crucial
  - Operational decisions require knowing data quality
  - Can't just filter out all imperfect data
- Collaboration, not just dissemination
  - Providers, co-analysts, end users not always disjoint sets
- Frequent, high-resolution satellite observations

- Others?

GA.4.Disasters Agenda

- Project Overview: GA.4.Disasters – GEOSS Architecture for the Use of Satellites for Disaster Management and Risk Assessment
- GEOSS AIP-5 contributions and outcomes
- Findings from the July ESA forum on Understanding Risk with Earth observation
- GA.4.Disasters Architecture status
- Case Study findings
- Preliminary recommendations
- Next Steps