

SANSA'S CONTRIBUTIONS TOWARDS DISASTER MANAGEMENT

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GFDRR
Global Facility for Disaster Reduction and Recovery



Cooperative Governance
Traditional Affairs



ISDR



Definition: Disaster Management – ‘a continuous and integrated multi-sectoral, multi-disciplinary process of planning and implementation of measures aimed at

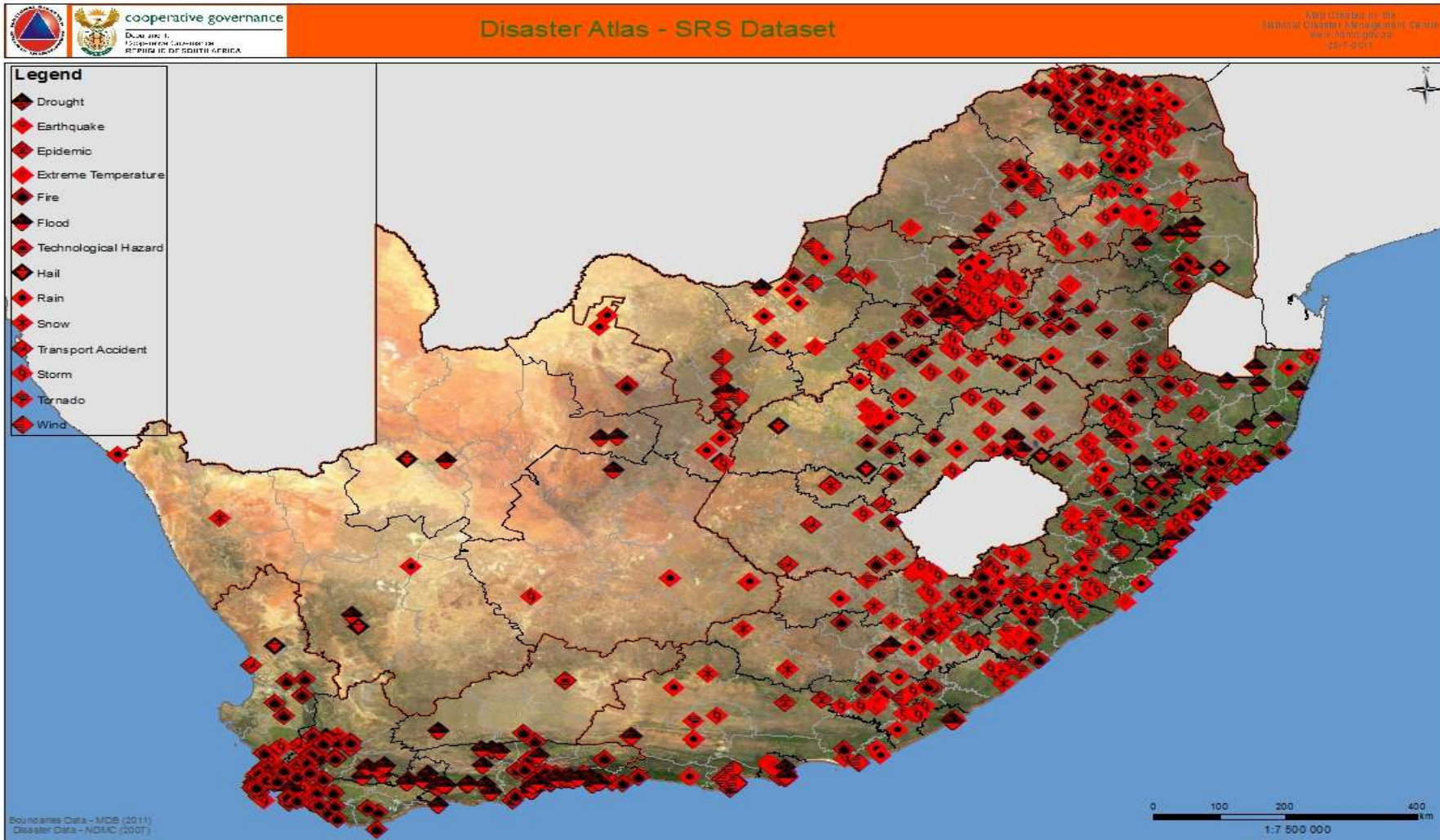
- Preventing or reducing the risk of disasters;
- Mitigating the severity or consequences of disasters;
- Emergency preparedness;
- A rapid and effective response to disasters; and
- Post-disaster recovery and rehabilitation’

(SA Disaster Management Act 57 of 2002)

- The act calls for a “significantly strengthened capacity to track, collate, monitor and disseminate information on phenomena and activities...”

(SA Disaster Management Act 57 of 2002)

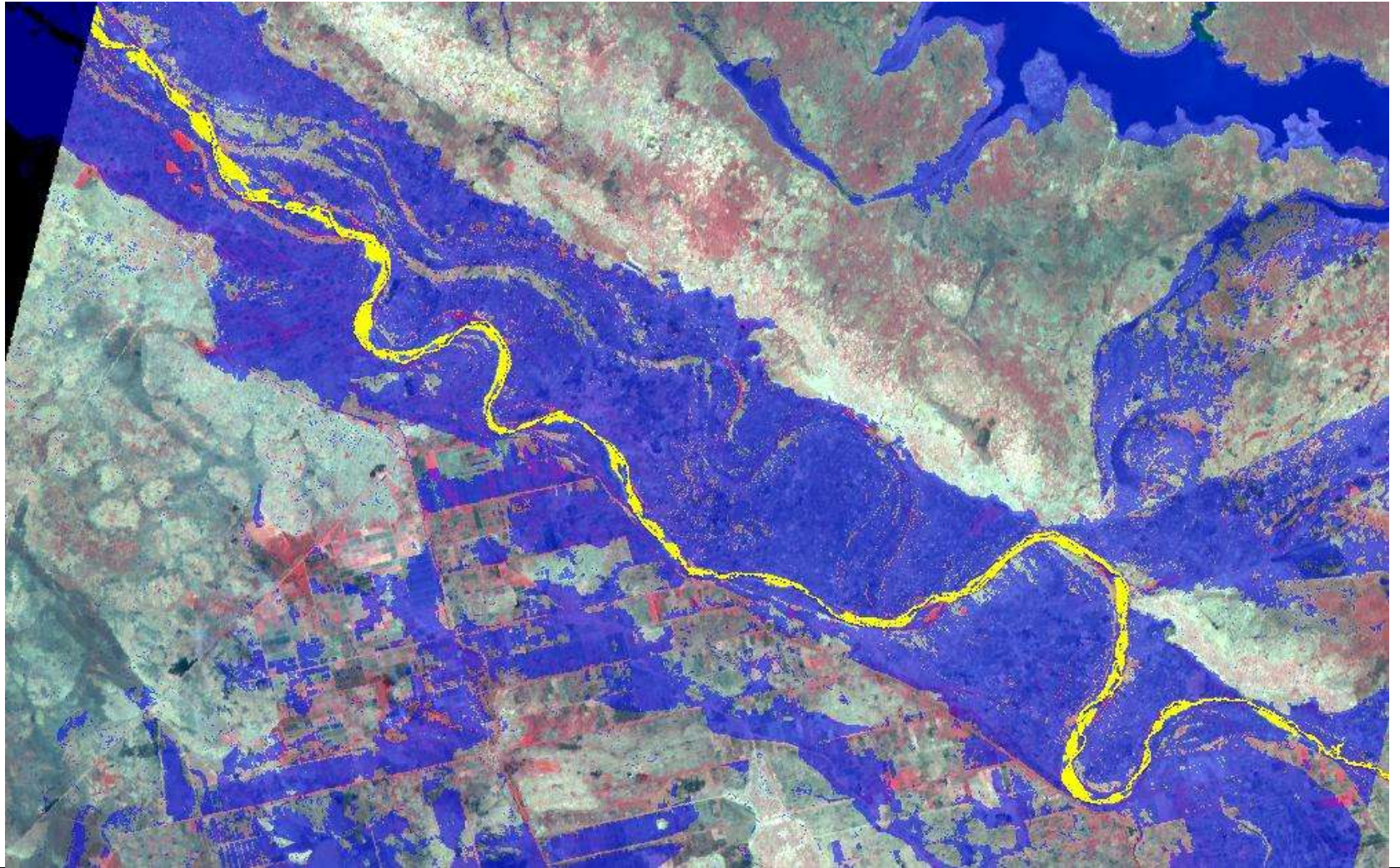
- Earth Observation plays a central role in various aspects of disaster management such as Monitoring, Hazard Analysis, Vulnerability- and Damage Assessment, Contingency Planning, Reporting Systems as well as Early Warning Systems.
- Near real time satellite derived information is critical to decision-making and provision of disaster relief.
- Provision of immediate disaster relief can be enhanced through the provision of accurate satellite derived maps that can be used for assessment of the situation to enable logistical support.

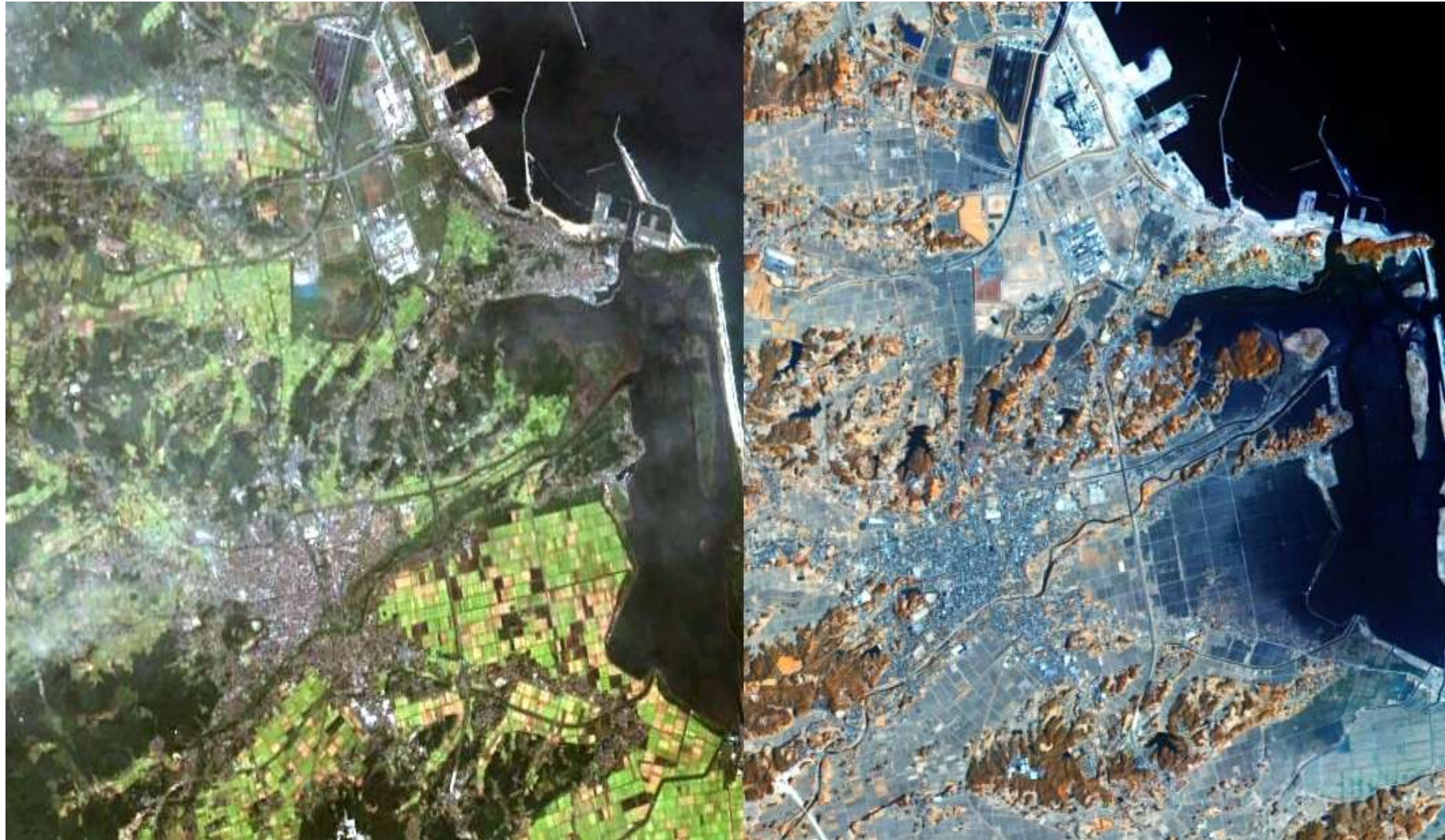


Disaster Management is one of SANSA's thematic areas.

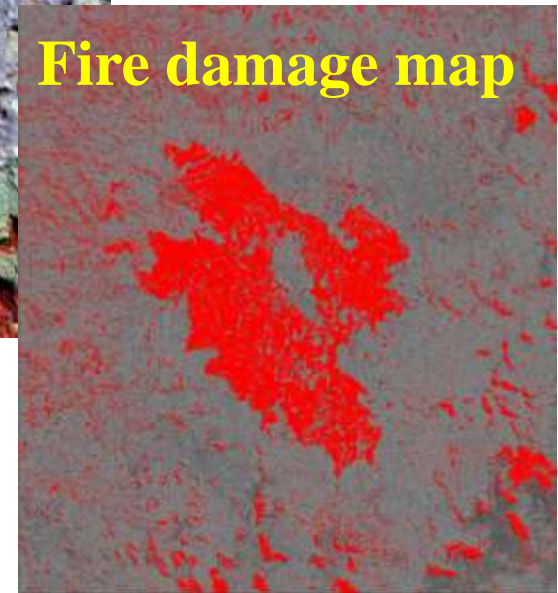
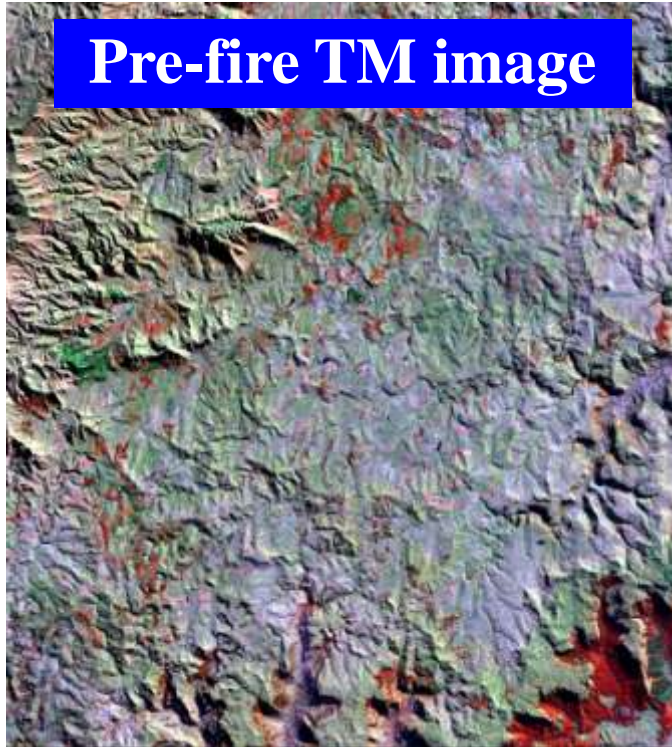




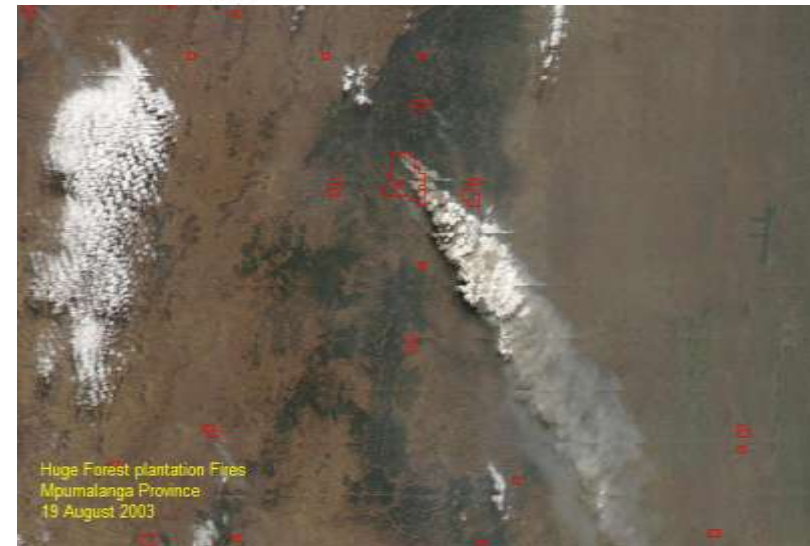
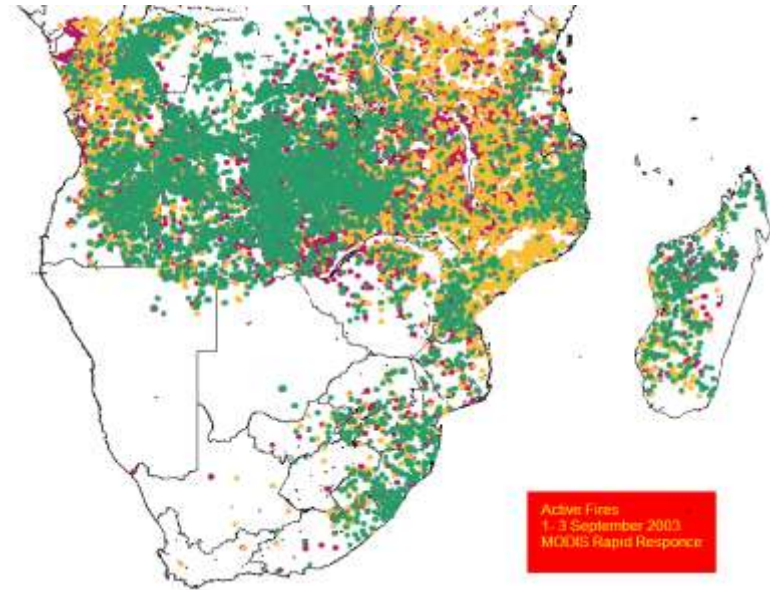








- Designed to detect and display active fires onto a map
- System operating on the internet in a Web GIS environment.
- Quick SMS Alert System informs Fire Protection Association managers of fires within their areas within minutes of fire breakouts with each MODIS satellite overpass.

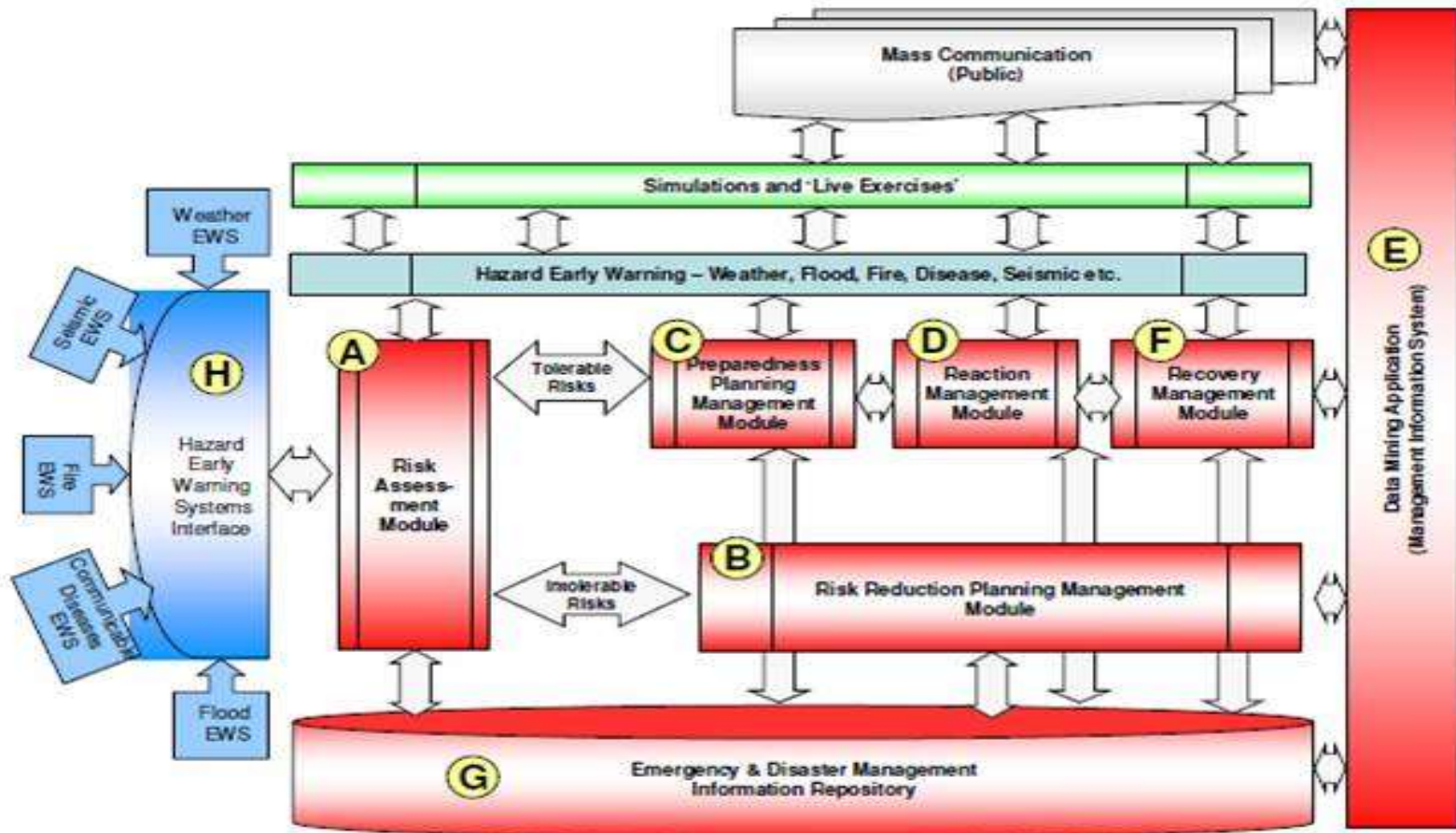




MODIS – 50m*50m fires, 10:00 and 14:00
MSG – 500m*500m, every 15mins
65 % of all fires are detected



Vision : Seeing Earth Observation Feeding into the National Disaster Management Information System (NDMIS)



Thank you

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