

GTANSW Conference August 2011

HAZARDS AND SPATIAL TECHNOLOGIES

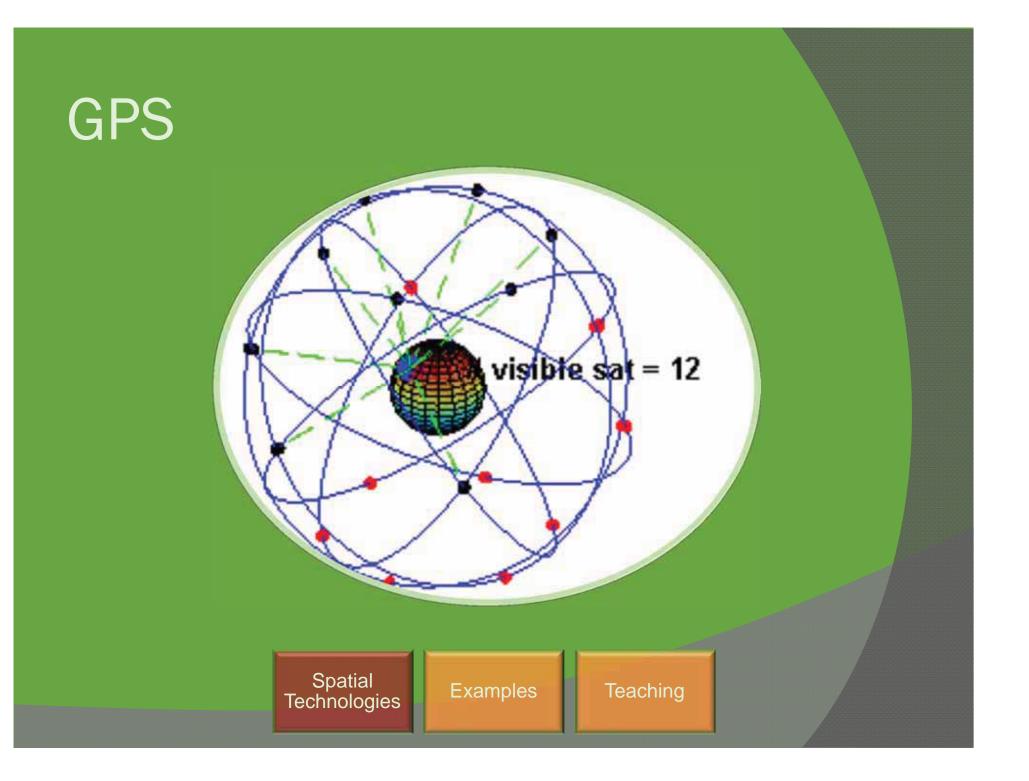
Mick Law

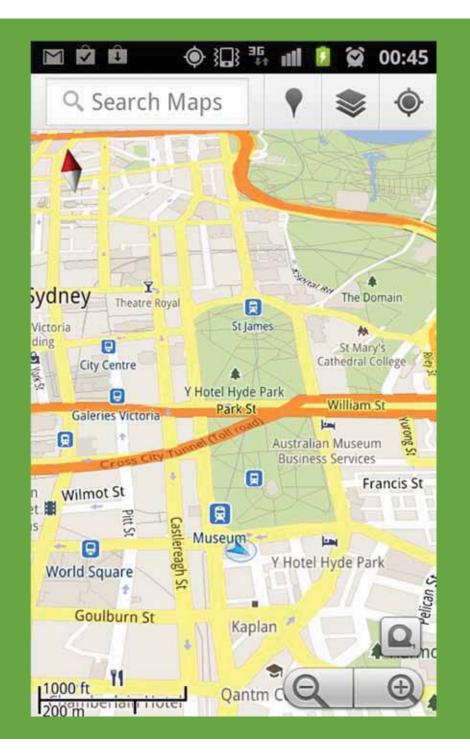
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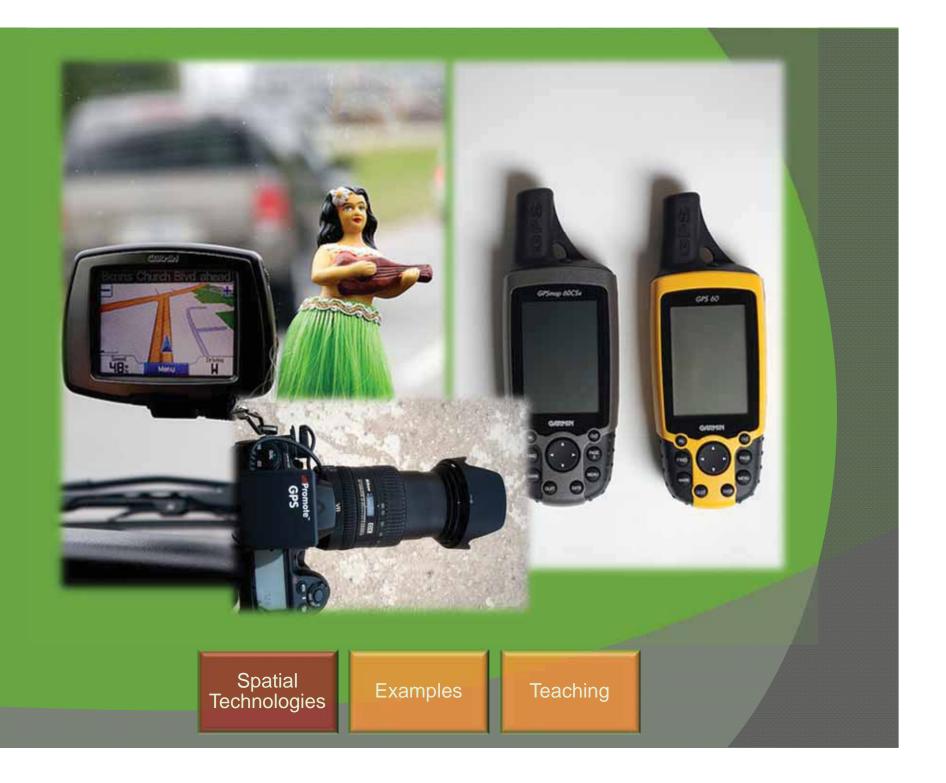
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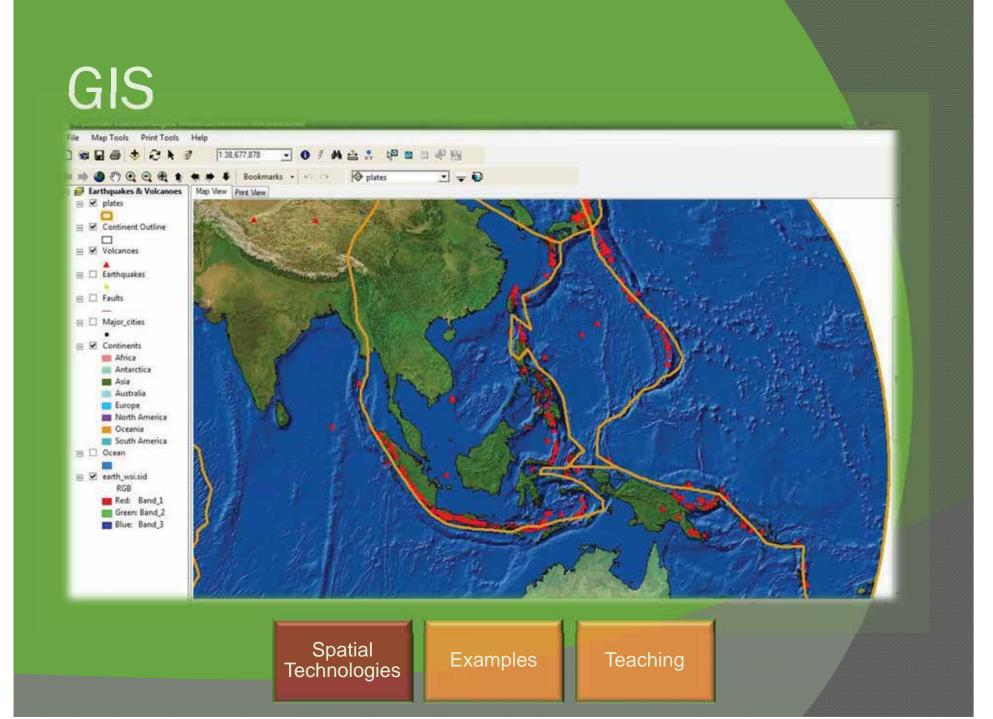
The technology of "where"! What are Spatial Technologies?













Remote Sensing



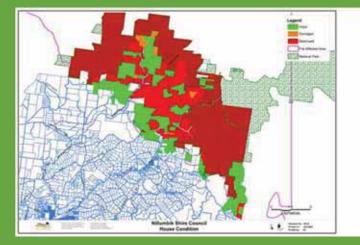
"In many cases, successful emergency response starts with a map. The question of "where" is fundamental to assessing risks, planning for hazards, responding effectively to incidents, deploying resources and assisting communities to recover." Spatial Vision, 2011.

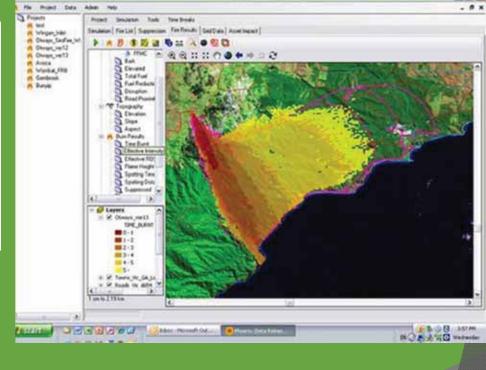
Real Life Examples



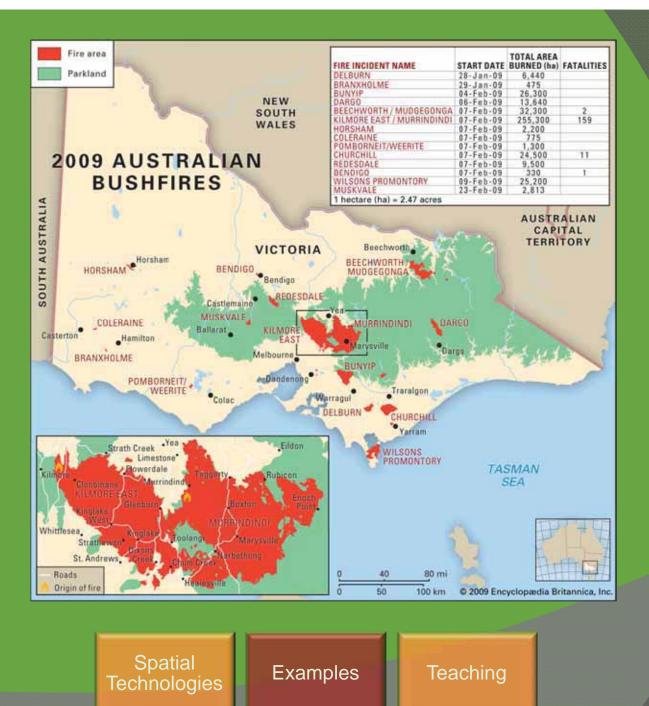


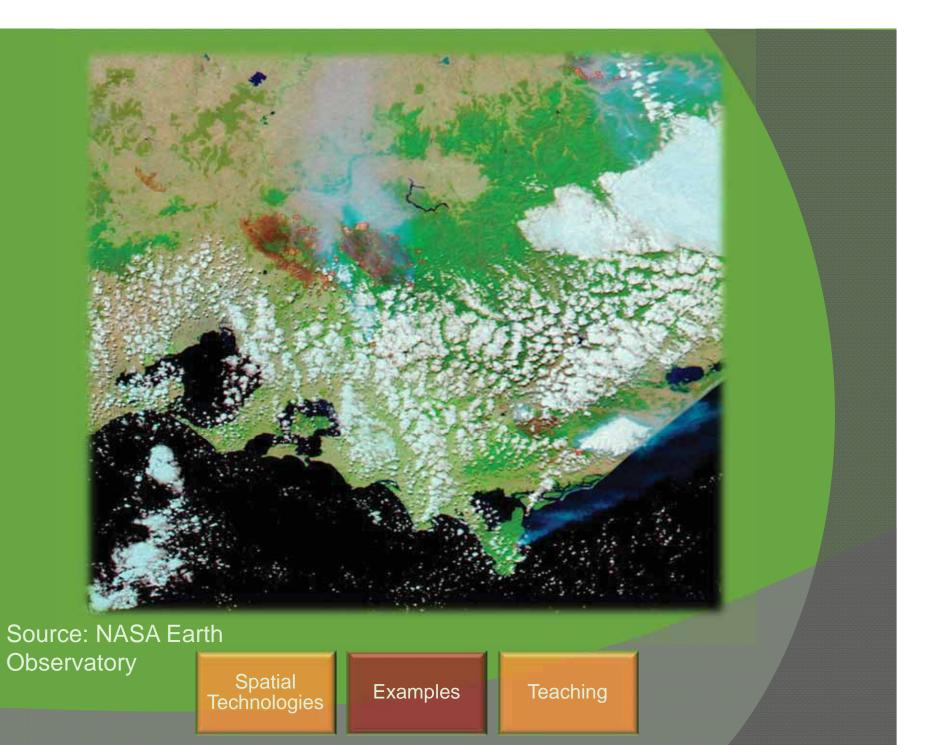
Black Saturday



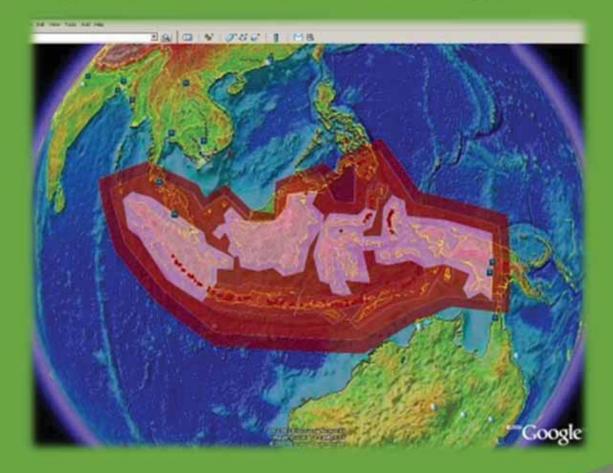


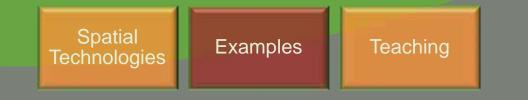






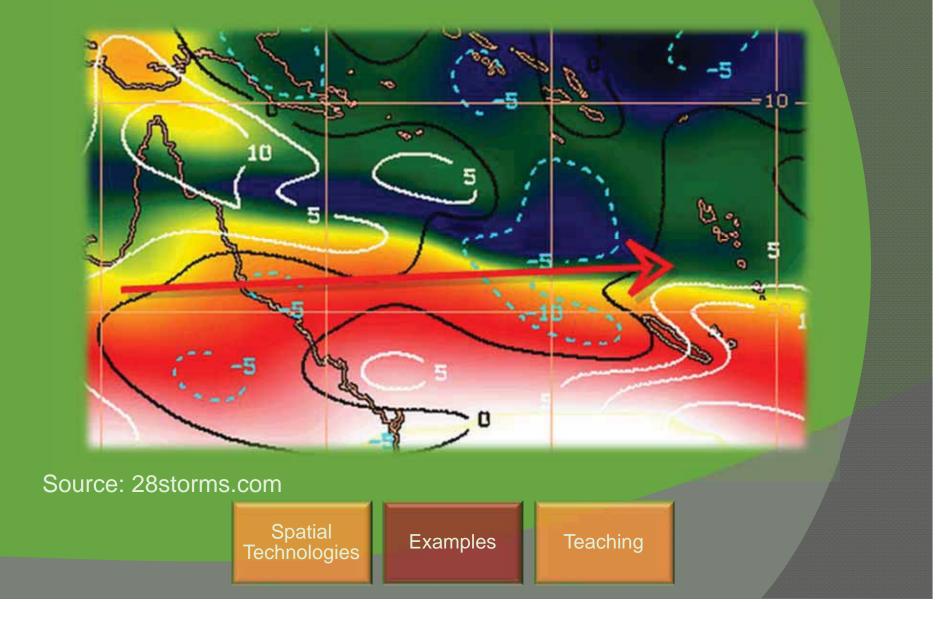
Earthquake Monitoring

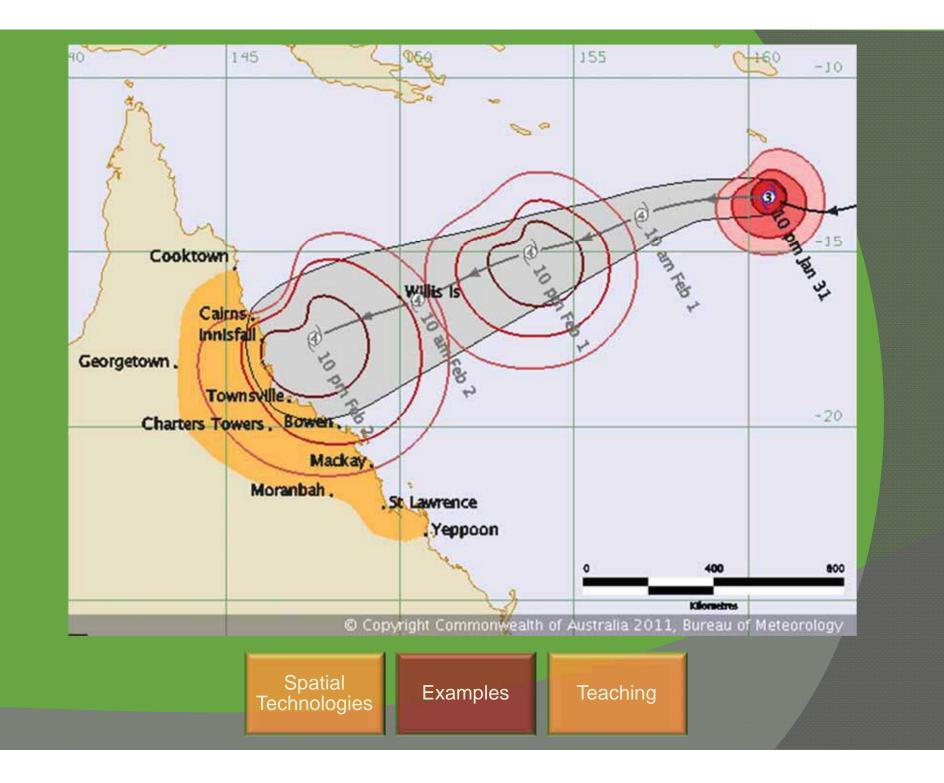






Cyclone Tracking



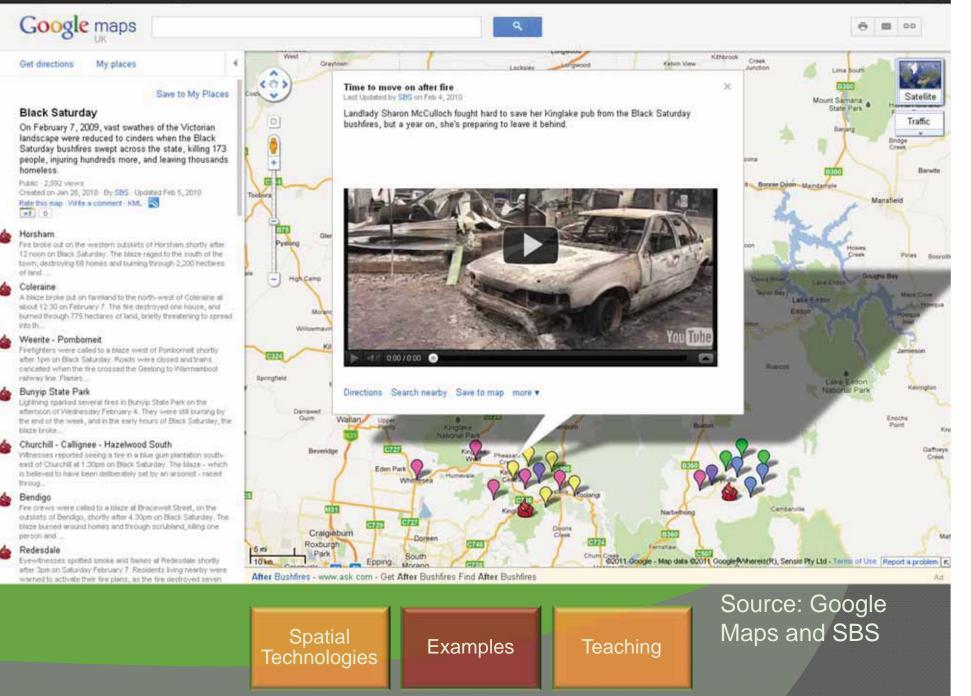


Supporting Materials

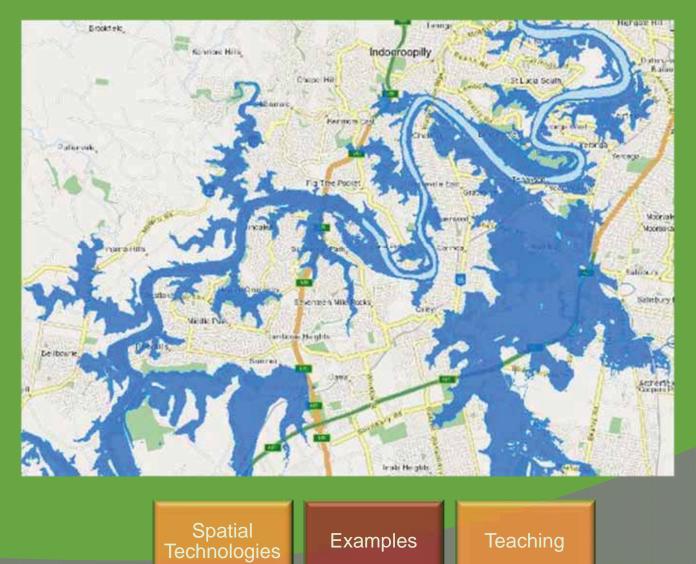
- Spatial technologies allow users to create a range of materials that can be used in the immediate and long-term response to the hazard
- Planning, infrastructure, landuse, demographics



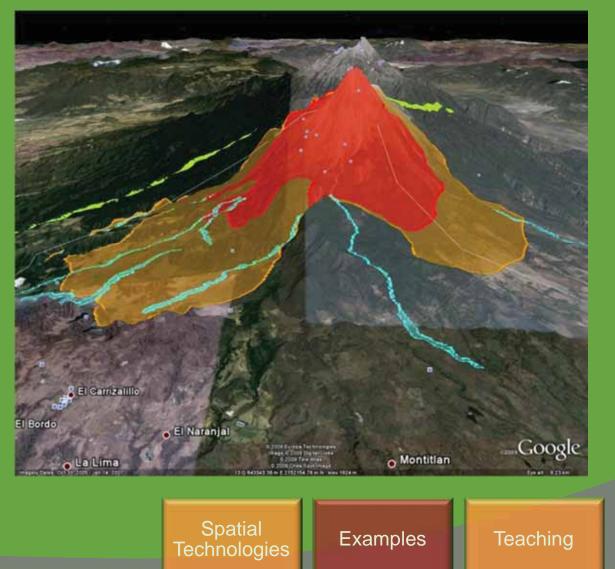
Sign in 🏠



Queensland Floods 2011

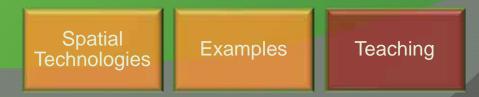


Google Earth



Source: Universidad Nacional Autonoma De Mexico

Teaching about Hazards with Spatial Technologies



Resources

 Contour Education Sentinel activity
 Queensland Floods 2011
 Fukushima disaster and Christchurch Earthquake
 Google Maps and Google Earth
 GIS Packages



