

Date

Tuesday 14th July 2009

Title of session

Plenary – Mapping: Our role in a turbulent world - World Imagery Solutions for National Mapping

Name of presenter/chair

Chris Parker, Propositions Portfolio Manager, Ordnance Survey – Chair
Dave Benson, Regional Sales Director, Enterprise Sales EMEAR, Digital Globe - Presenter

Name of rapporteurs

Gillian Horner & Jevon Snell

Digital Globe own two satellites with a third due to go into orbit soon. Satellite Imagery is a powerful tool to help monitor human or natural change.

Examples were shown:-

- Coastline change due to Tsunami
- Damage to buildings due to cyclone
- Managing earthquake rescue
- Monitoring tree health after fire with infrared imagery
- Flooding
- Urban Clearance
- Refugees in conflict situations
- Receding glacial ice
- Tree death due to beetle infestation
- Deforestation
- Facility management – planning, monitoring, pollution
- Use of Stereo imagery
- Feature extraction
- Multi Spectral Imagery – infrared – to isolate trees, roads, irrigated land etc.
- Possible future developments in multi spectral images (World View 2 Satellite with 8 spectral bands) to allow crop classification
- Wildfires

Digital Globe collects 2 million square km of data per day. They also hold a library of historical data.

Questions/Comments	Answers