Public-Private Partnership and Sustainable Development – A perspective from space

Abhineet Jain (AJ), DigitalGlobe

Los Roques Archipelago, Venezuela | Mar 12, 2011 | WorldView-2

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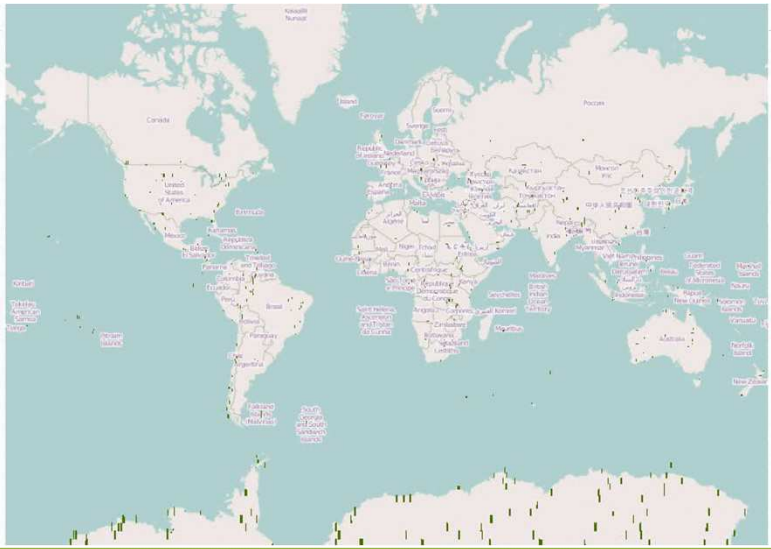
Geospatial Big Data - Increasing Global Coverage



Global Development

ENVIRONMENTAL SUSTAINABILITY | FOOD & NUTRITION SECURITY | HUMAN RIGHTS | INFRASTRUCTURE DEVELOPMENT | **LIVELIHOODS**

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Imagery, machine learning-based algorithms, & crowdsourcing to derive population maps

Global Development

ENVIRONMENTAL SUSTAINABILITY | **FOOD & NUTRITION SECURITY** | HUMAN RIGHTS | INFRASTRUCTURE DEVELOPMENT | LIVELIHOODS

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Determine how much cultivated area under a specific crop to create detailed crop inventories

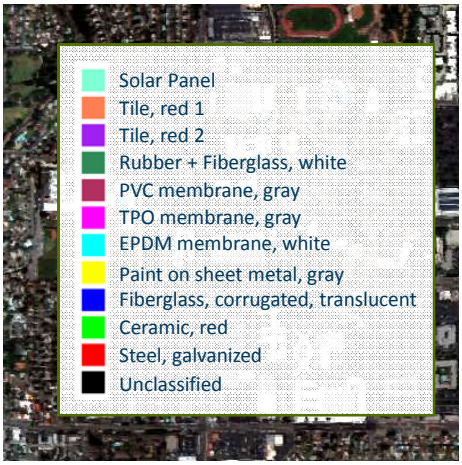
When supplemented by groundtruthing, imagery and analytics can create highly localized crop inventory maps.

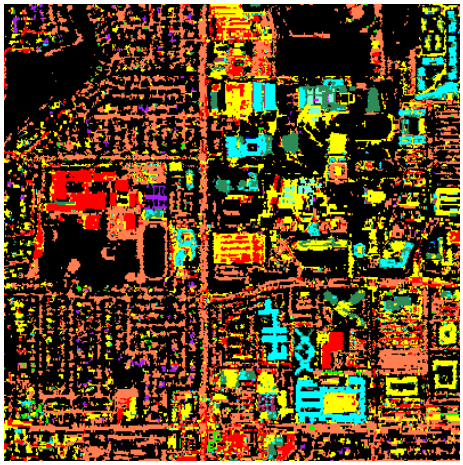
Spectral material classification

WV-3 Spectral Matching

True Color: R, G, B

Rooftop spectral classification





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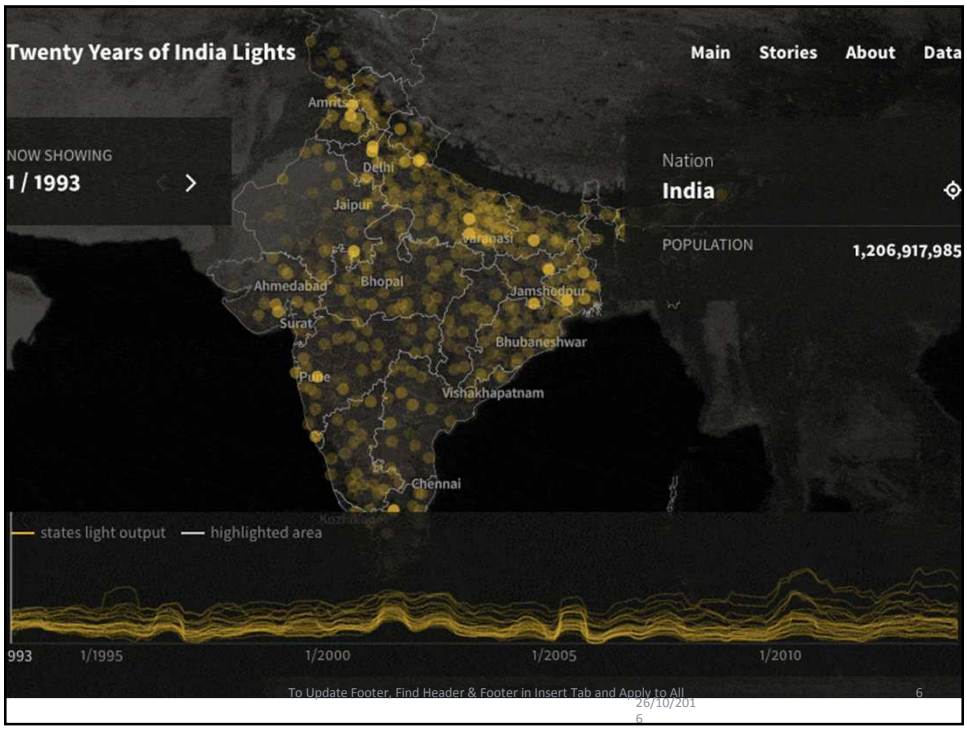

Response to Nepal Earthquake

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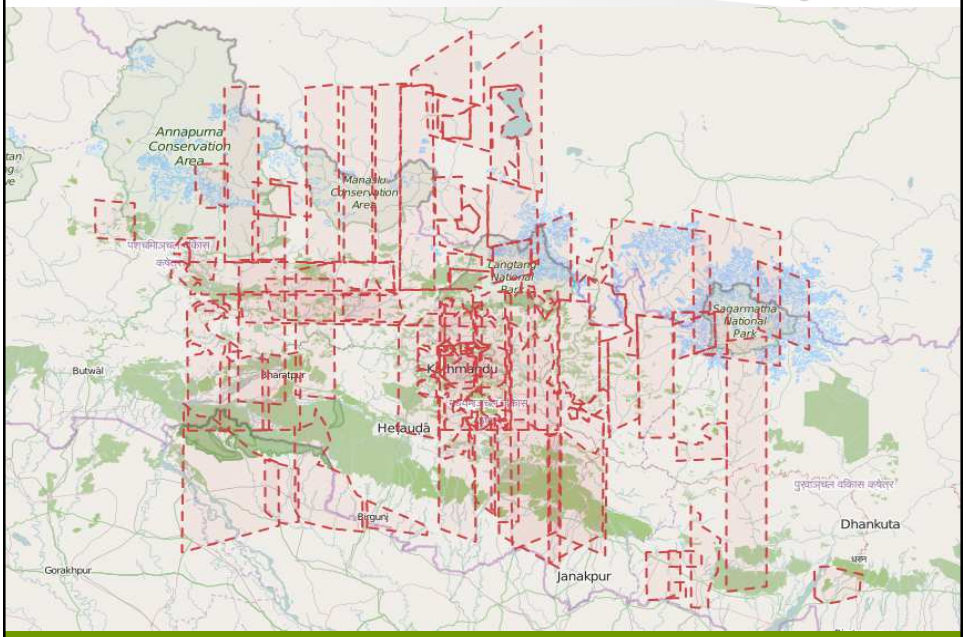

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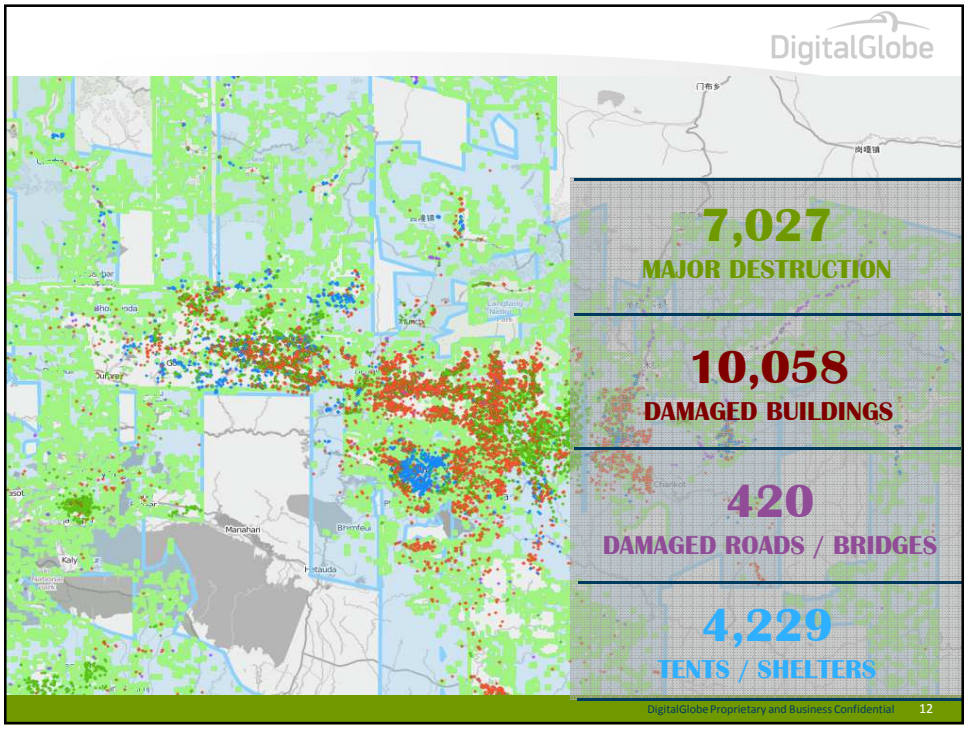
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MAJOR DESTRUCTION
10,058
DAMAGED BUILDINGS
420
DAMAGED ROADS / BRIDGES
4,229
TENTS / SHELTERS
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Rationale and Benefits of Public-Private Partnerships

- Defining policies for new technology introduction with inputs from commercial private partners (e.g. 30cm resolution relaxation with 40cm approval in 3 months)
- Mid-term to long-term commercial commitments to support private industry success in bringing innovation and new technologies at a faster pace.
- Becoming integral part of public sector mission and helping gain workflow efficiencies and focus on specific missions (keeping the sensitive missions by public sector).
- Significant Cost savings
- Mutual interest in delivering performance and value

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