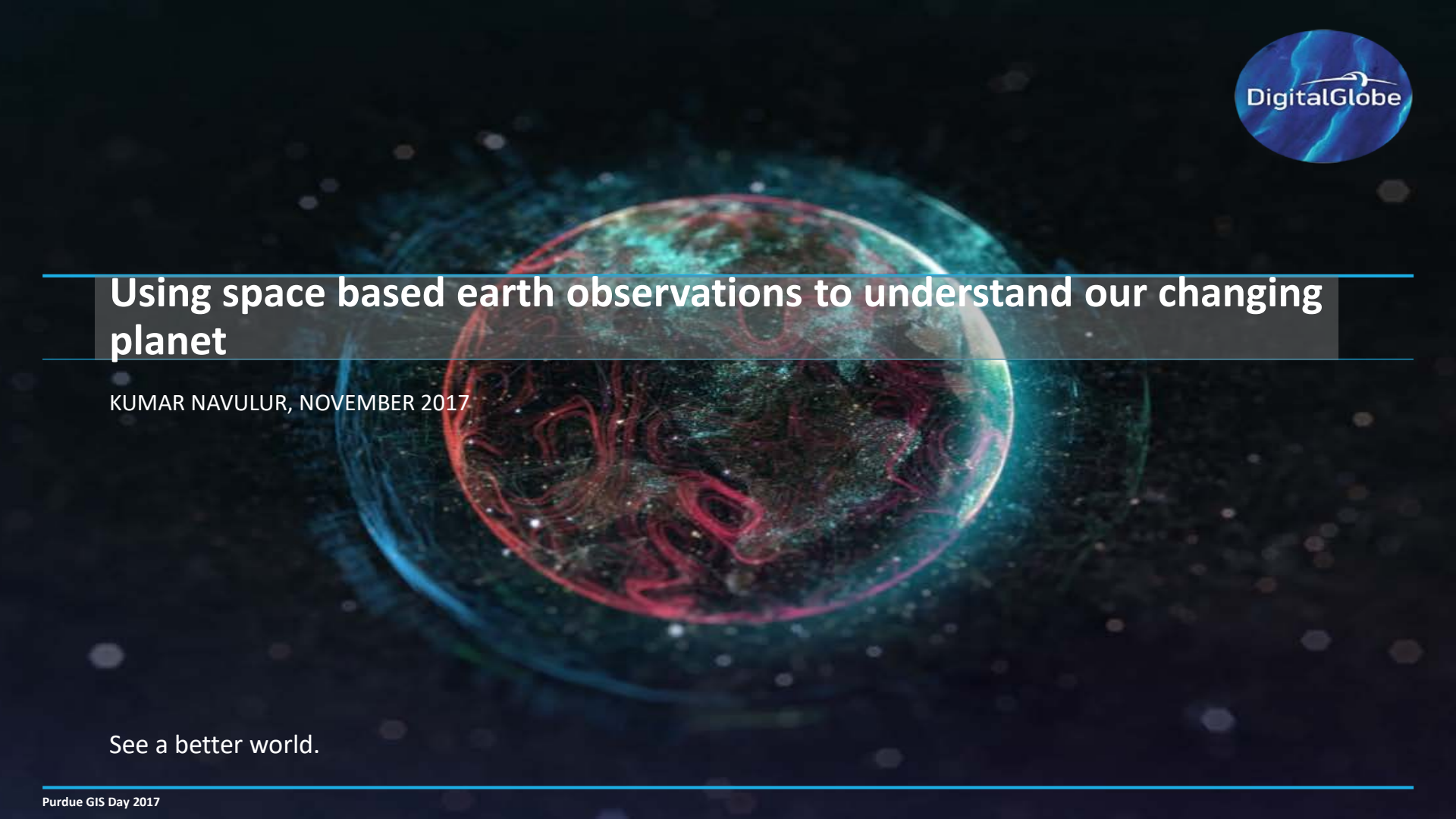


Using space based earth observations to understand our changing planet

KUMAR NAVULUR, NOVEMBER 2017

See a better world.

DigitalGlobe satellite constellation

1999

IKONOS®

.80 meter resolution
9 m CE90

2001

QuickBird®

.60 meter resolution
23 m CE90

2007

WorldView-1®

.50 meter resolution
<4 m CE90

2008

GeoEye-1®

.40 meter resolution
~3.5 m CE90

2009

WorldView-2®

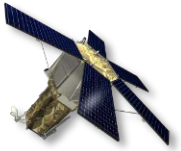
.40 meter resolution
<4 m CE90

2014

WorldView-3®

.30 meter resolution
<4 m CE90

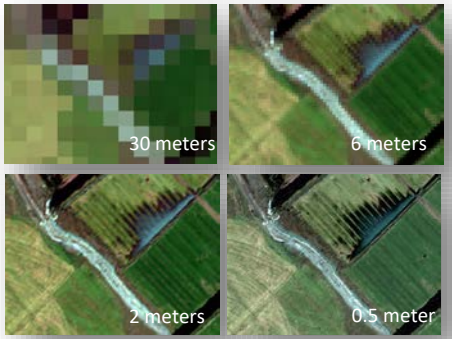
2016



WorldView-4®

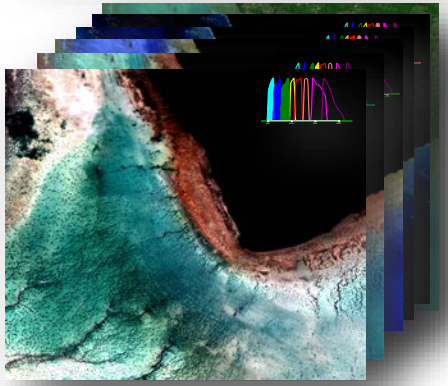
.30 meter resolution
<5 m CE90

We capture earth images at multiple scales and in multiple dimensions



Increasing Spatial Resolution for Monitoring Areas

Global Collection Capacity and Frequent Refresh for Monitoring Changing Planet



Increasing Number of Spectral bands for Mapping Applications

Large Scale Computing and Global Infra-Structure Allows Making Maps in Days

Providing technology leadership in commercial satellite industry

1st Trend: **Resolution**

Customer needs evolve beyond aerial

Increasing Spatial Resolution
More Spectral Bands
Intra-Day Revisit

2nd Trend: **Accuracy**

Emergence of map making industry and greater accuracy drives growth

Increasing Positional Accuracy
Increasing Information Accuracy

3rd Trend: **Speed**

Reliance on imagery at an all-time high and customer priority becomes speed and relevancy

Near Real Time Tasking/Download
Maps at global scale in hours/days
Crowd Sourcing
Getting Data of out of jail using Cloud

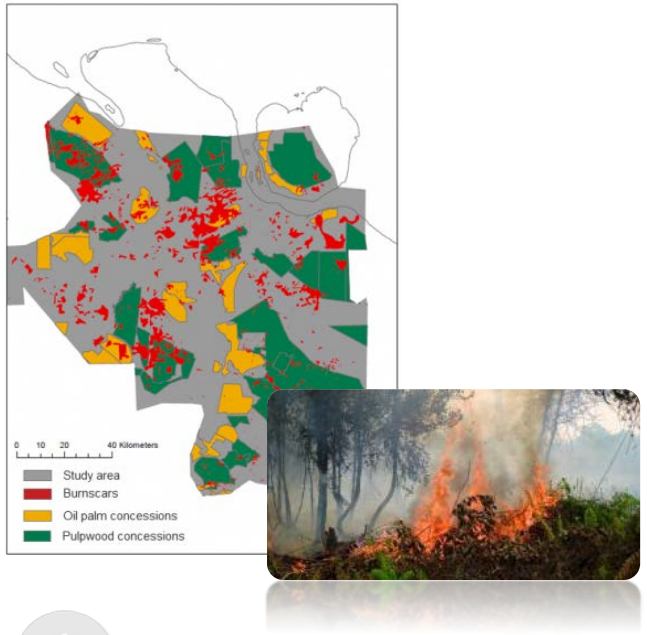
4th Trend: **Analytics**

New valuable problem-solving uses emerging and priority becomes measuring on surface and below water

Analytics on Demand
Location Intelligence
Predictive Insight

Leveraging Satellite Imagery To Help Smallholder Farmers

Mapping Deforestation and Illegal Forest Fires



WORLD RESOURCES INSTITUTE

Helping address Refugee Crisis

Year	Cultivated Area (Ha)	% of Crop Area
2011	4432	22%
2012	875	4%
2013	4126	14%

WORLD BANK

Leveraging Imagery to curb Modern Slavery

WALK FREE

What skill sets we are looking for

- Data Scientists
  - AI/Machine Learning
  - Remote Sensing
  - Cloud computing
- GIS Specialists

See a better world.™