Data Solutions and Platforms for SDG's

KUMAR NAVULUR, SR. DIRECTOR, GLOBAL STRATEGIC PROGRAMS

DigitalGlobe capabilities by 2020

- Worldview Satellites
- Legion Satellites
- Scout Satellites

Customer missions
- Mapping
- Monitoring
- Persistent Surveillance

Satellites
- 5 Big sats
- 6 Scouts + Legion (Small sats)

Data and products
- Visible-NIR-SWIR spectrum
- 30cm – 80 cm spatial resolution
- 2D and 3D maps of the land mass
- 4.5 million sq km/ day
- 20+ times a day revisit for populated areas
- Time lapse imagery dating back to 2000
- Data continuity to 2030+

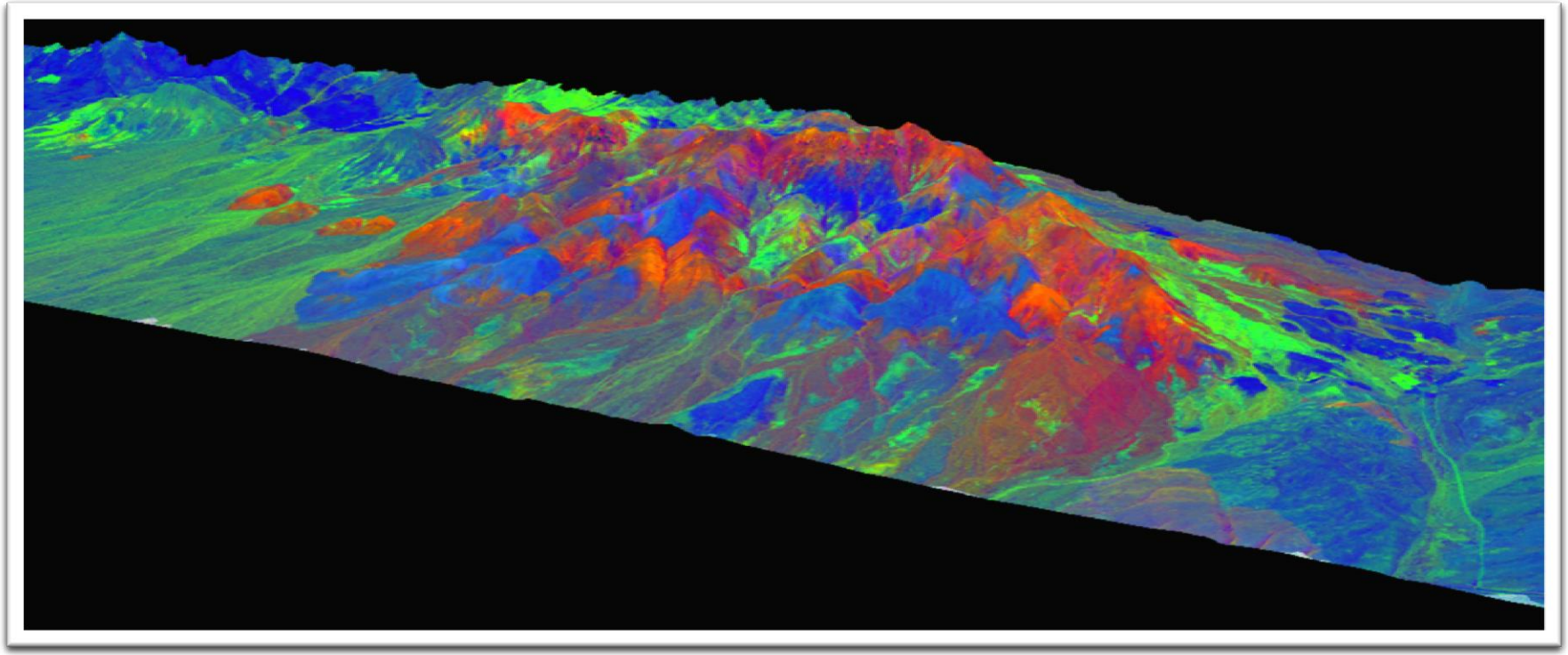
Platform
- All data available via cloud platform
- Multi-source
- GBDX platform for analytics at scale, and on demand
- Embracing AI for image analytics
- Crowd sourcing to power AI/Quality control

Access
- Global access
- Open data license

Creating maps and analytics at Scale

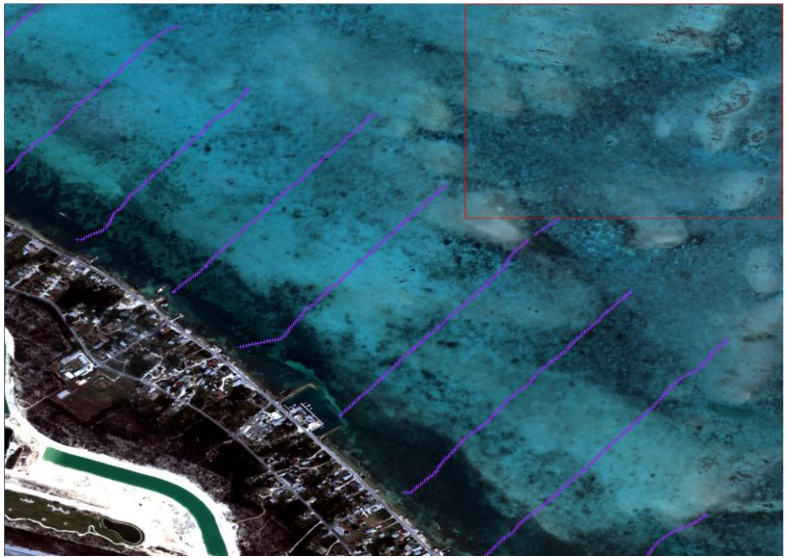
Mapping earth in 3D

Enabling automated information extraction at scale

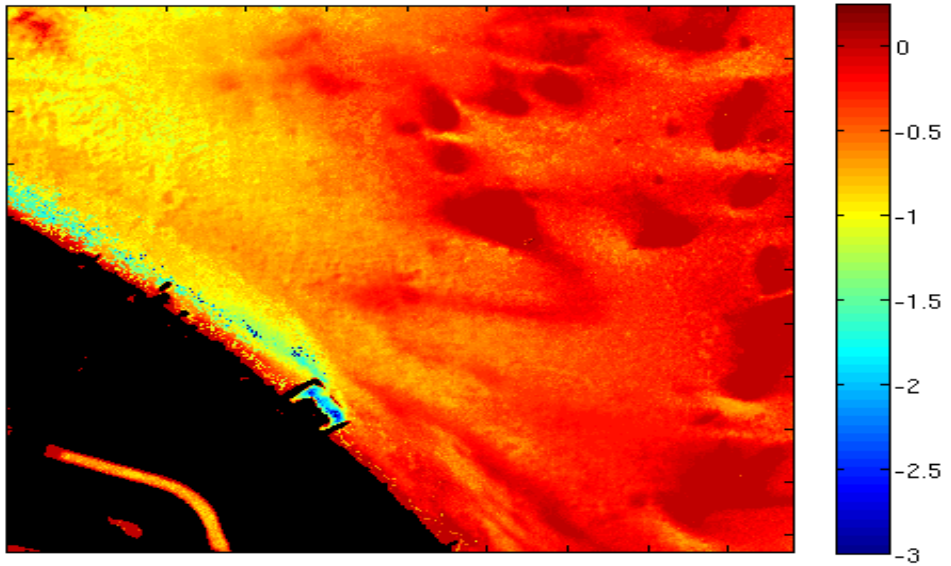


Enabling automated information extraction at scale

WV02 image overlaid with boat track (for validation)

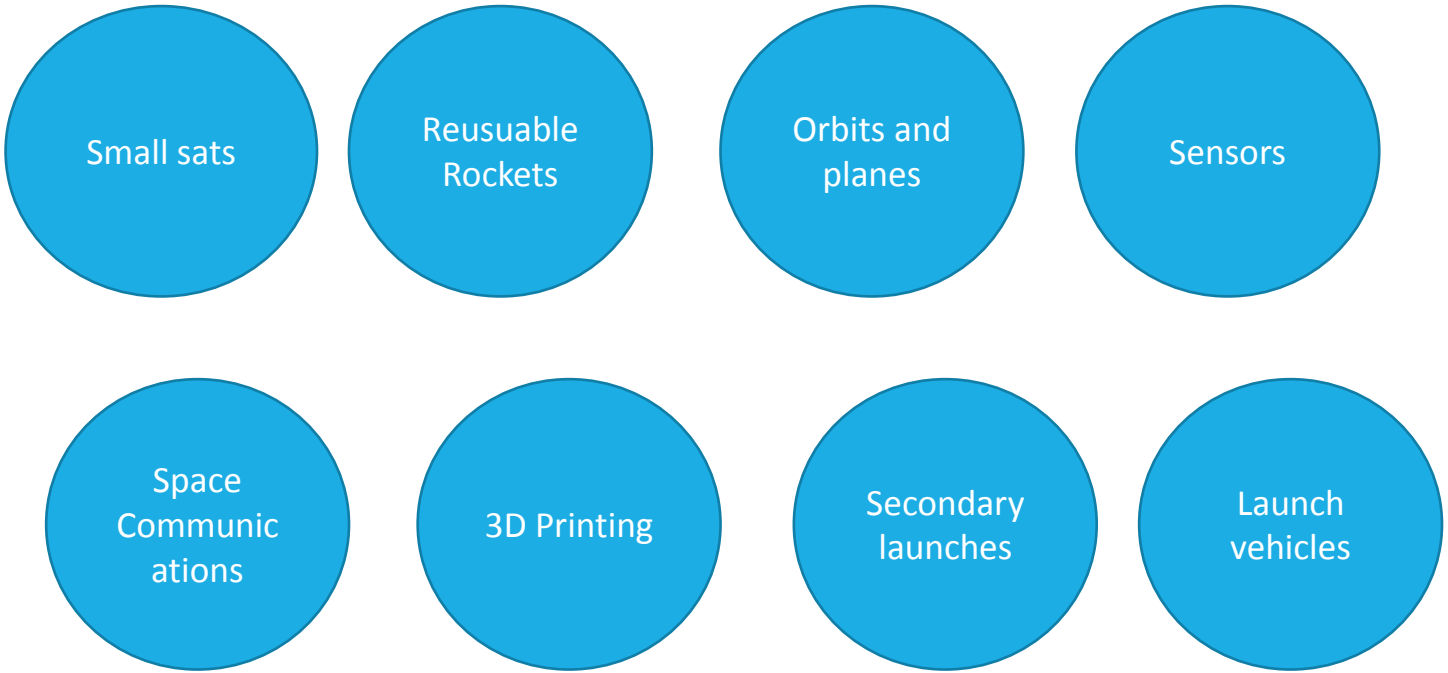


Bottom depth (m)



Imagery and benthic products are provided at 2x2m horizontal grid

New space revolution will ensure imagery supply for SDG's



UN SDG's need repeatable location measurements with reliable quality , access, and licenses

and Information layers from imagery

To support SDG's, we need combine physical geography with human geography

Human Geography

- Starting with basic questions
  - Where to do people live?
  - How many live there?
  - How do you get to them?
- Additional layers on
  - Social media patterns and correlation with events

And make the technology invisible for monitoring SDG's

See a better world.™