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Foundational geospatial data and analytics to achieve the SDGs

See a better world.

Presented by Amy Minnick, DigitalGlobe SVP and GM of Commercial

DigitalGlobe proprietary and confidential.

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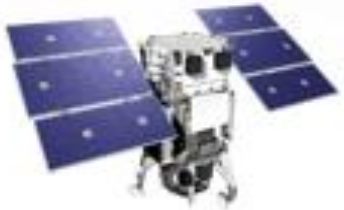
IKONOS®

.82 meter
resolution
9 m CE90

QuickBird®

.65 meter
resolution
23 m CE90



WorldView-1®

.50 meter
resolution
<4 m CE90

GeoEye-1®

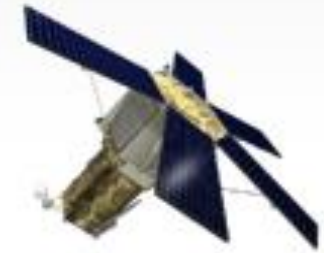
.46 meter
resolution
<3.5 m CE90

WorldView-2®

.46 meter
resolution
<3.5 m CE90

WorldView-3®

.30 meter
resolution
<3.0 m CE90



WorldView-4®

.30 meter
resolution
<4 m CE90

100+
PB imagery archive

Traditional use for satellite imagery: mapping

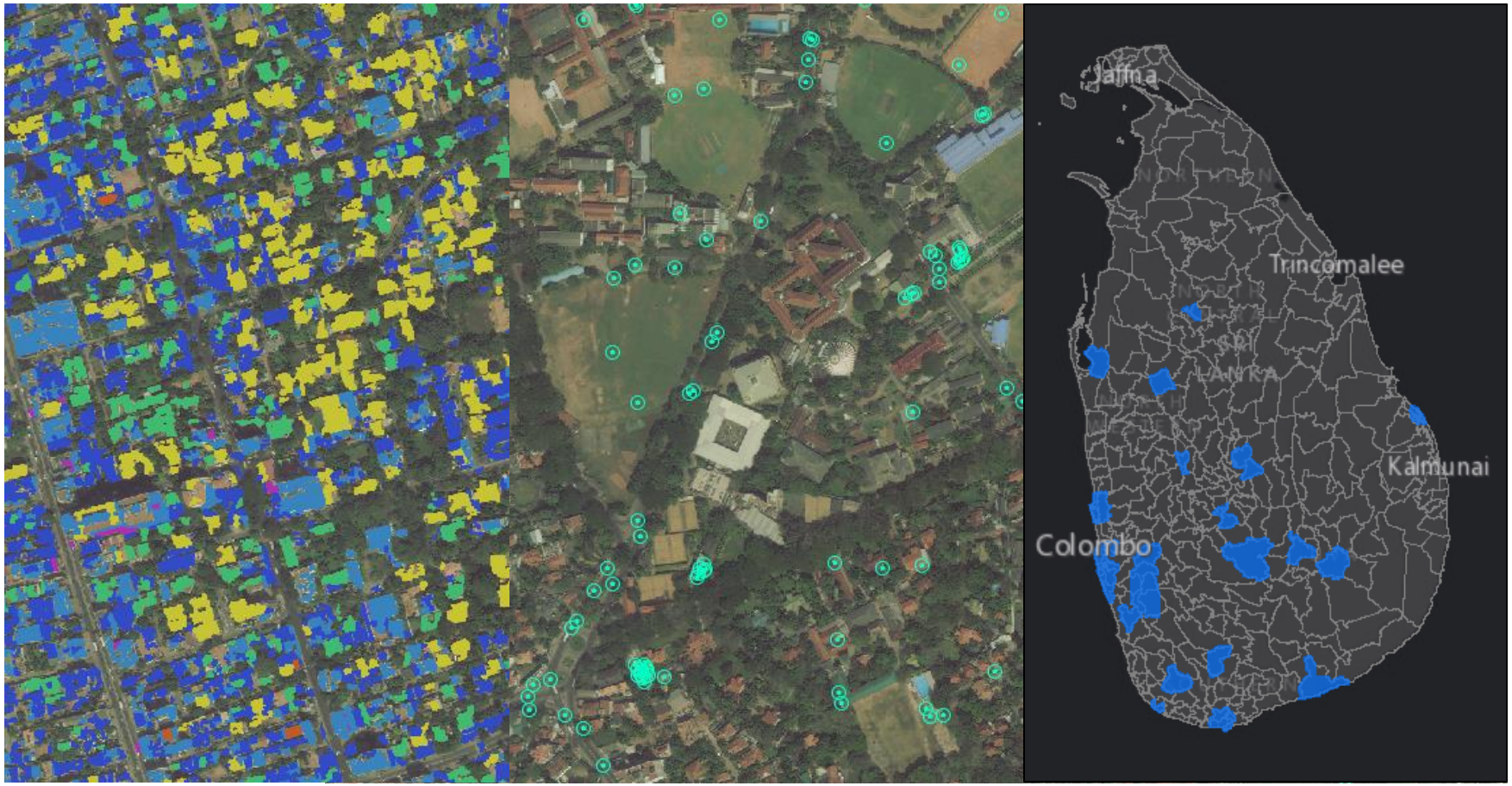
DigitalGlobe Products are Built from Our Imagery and Data

SERVICE LEVEL OFFERINGS	DigitalGlobe satellite tasking + ground station network + information management & distribution + worldwide timelines
CORE CONTENT	DigitalGlobe, Maxar, and third-party data
INFORMATION PRODUCTS	Purpose built, ready for use data products for specific customer or market needs
ANALYTICS	GBDX multisource imagery and analytics platform
SUBSCRIPTION ACCESS	Subscription-based portals to consume our content, analytics, and information products

United Nations Sustainable Development Goals

THE WORLD BANK

- GBDX (machine learning platform) for analytic-based algorithm creation
- Predict poverty with remote sensing-based machine learning algorithms



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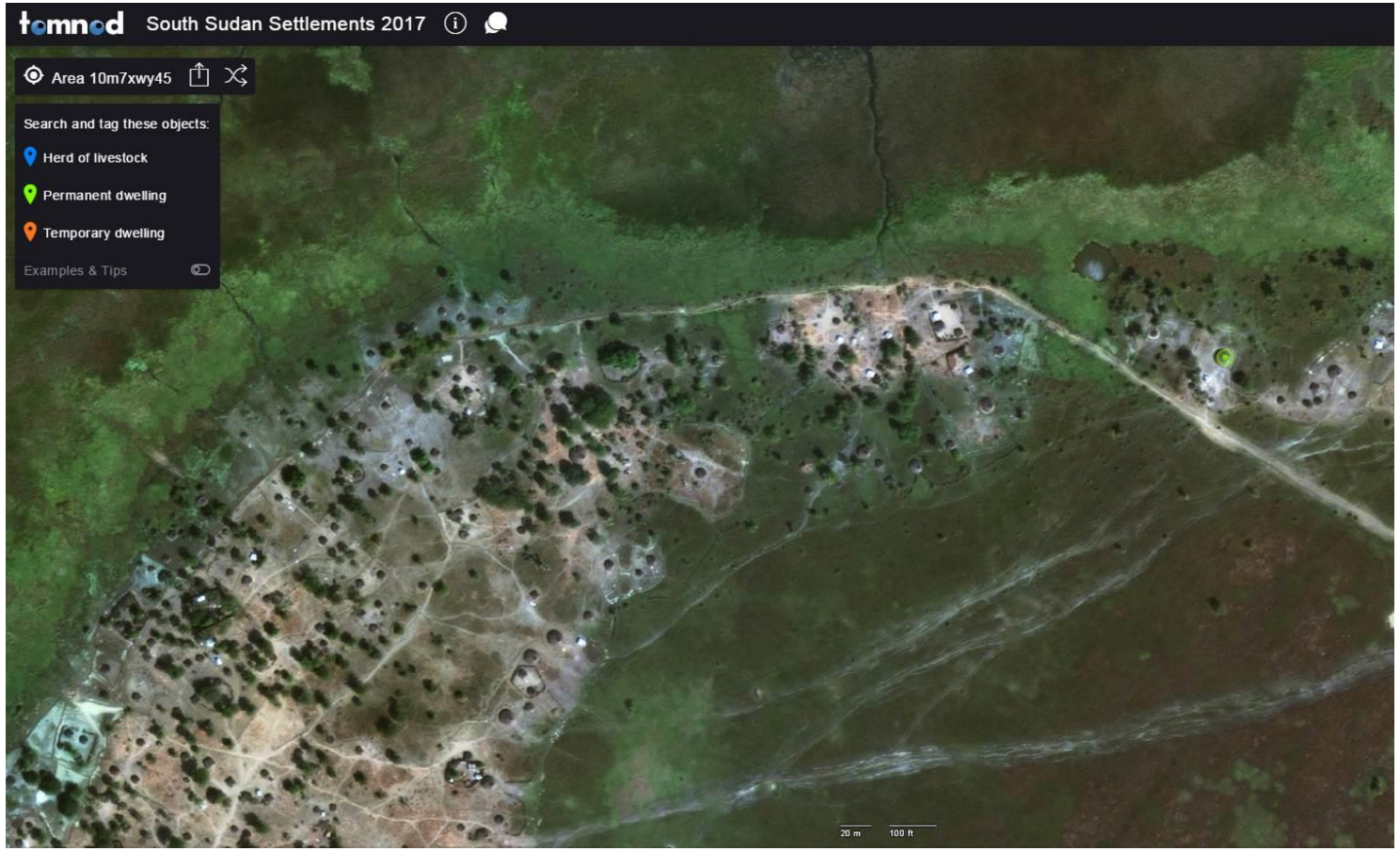
FEWS NET
FAMINE EARLY WARNING SYSTEMS NETWORK

- Tomnod (analytic crowdsourcing platform)
- Outputs critical to understanding how many people needed help and how to reach them



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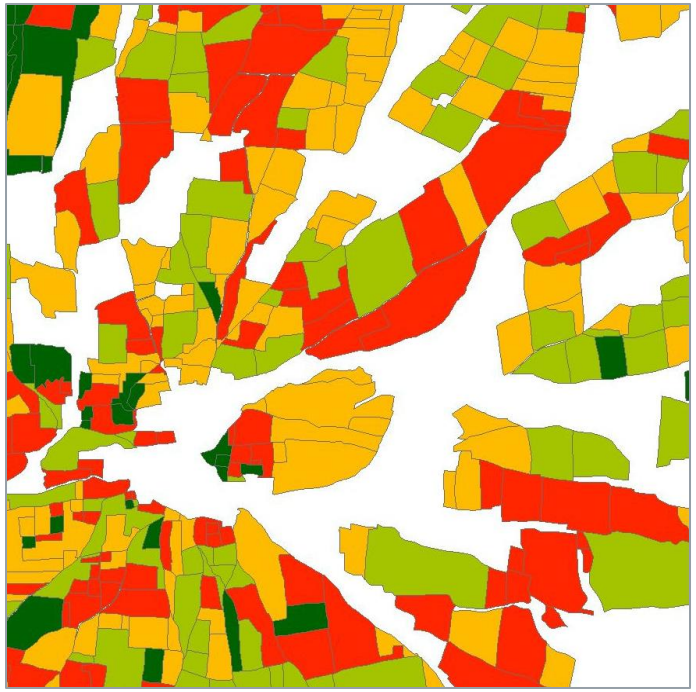
CGIAR Platform for Big Data in Agriculture

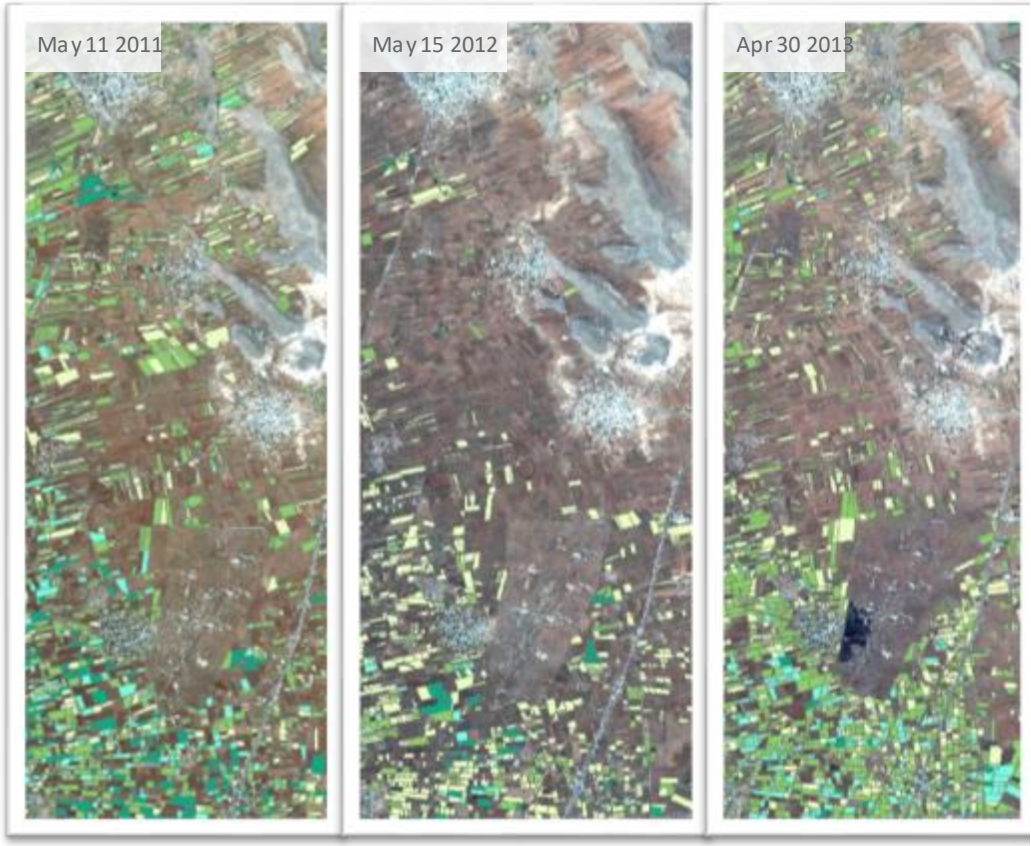
- GBDX: Imagery-derived analytic solutions for agriculture:
  - Land tenure
  - Crop yield & production estimation
  - Water resource conservation
  - Pest & disease monitoring

Crop Classification



Cotton Maize Millet Sorghum

Crop Inventory



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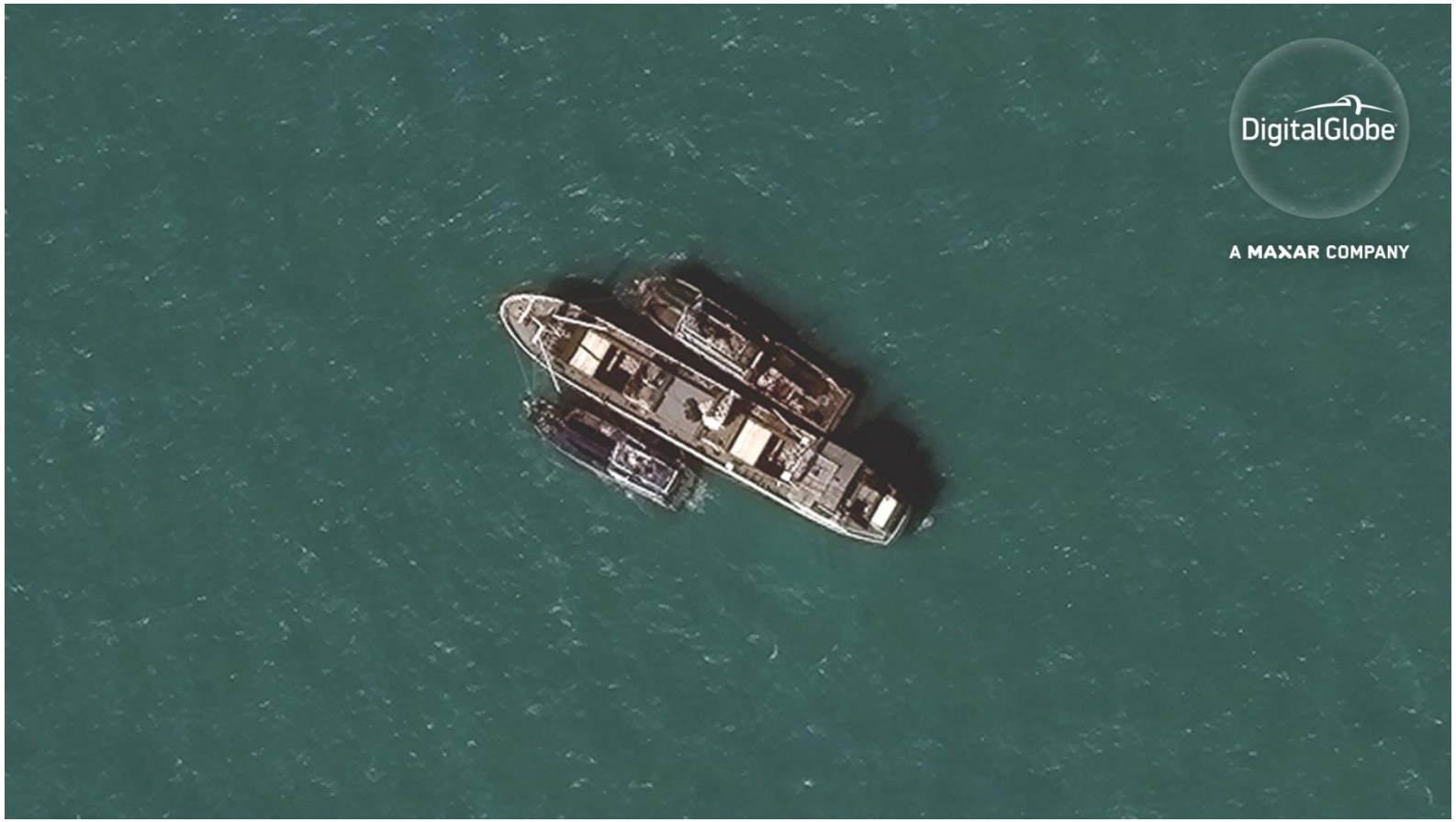
Associated Press

- Illegal, unreported, and unregulated (IUU) fishing investigation in the South Pacific
- Image provided evidence to let Indonesia Navy free 2,000 enslaved people



SKYTRUTH

- AIS analysis
- Imaging dark vessels
- Testing tipping & cueing with MDA's RADARSAT-2 satellite

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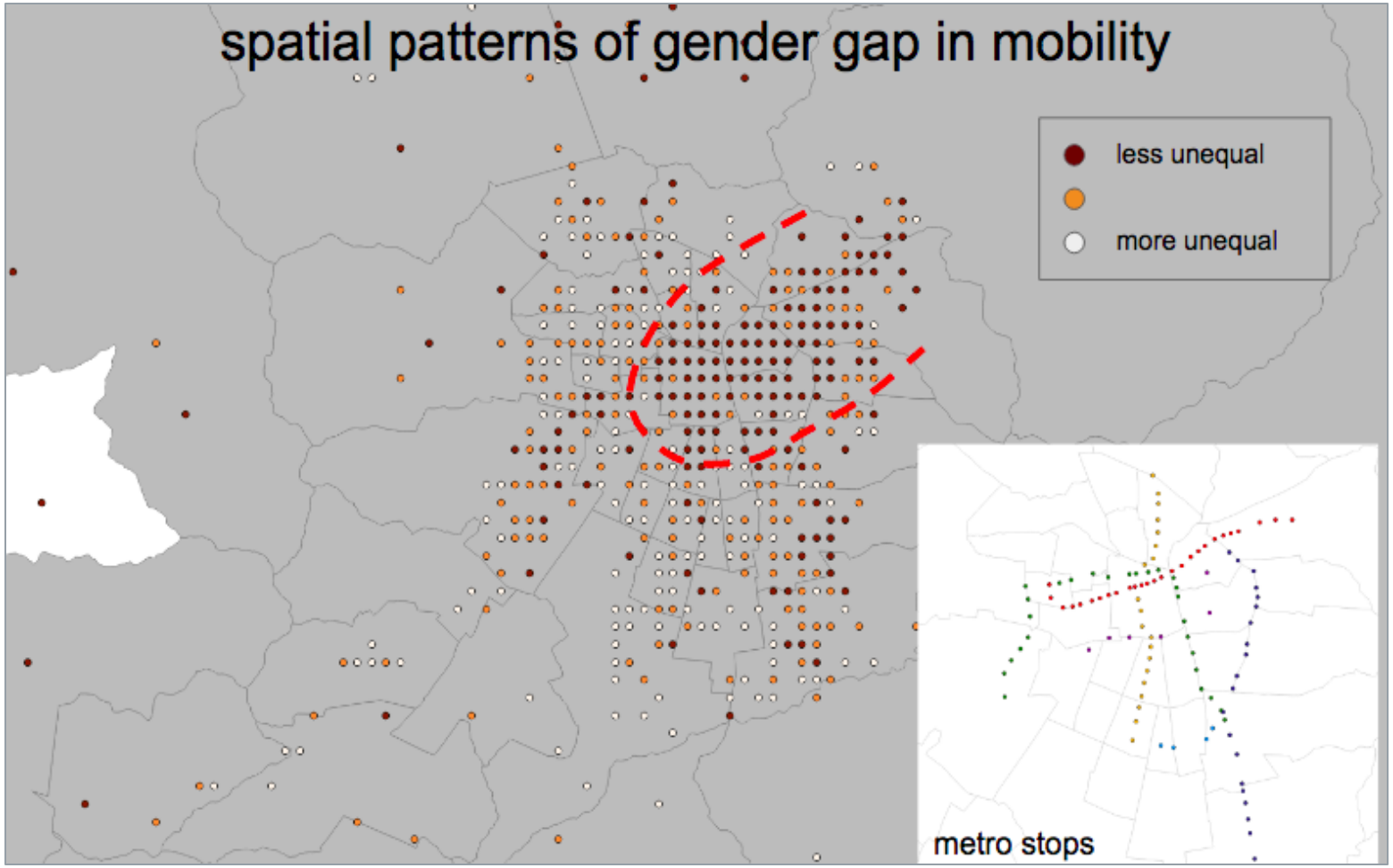
unicef Telefónica

- Combining anonymous call data & satellite imagery
- Creating baseline mobility data for women vs. men tied to public transit
- Enabling better city planning



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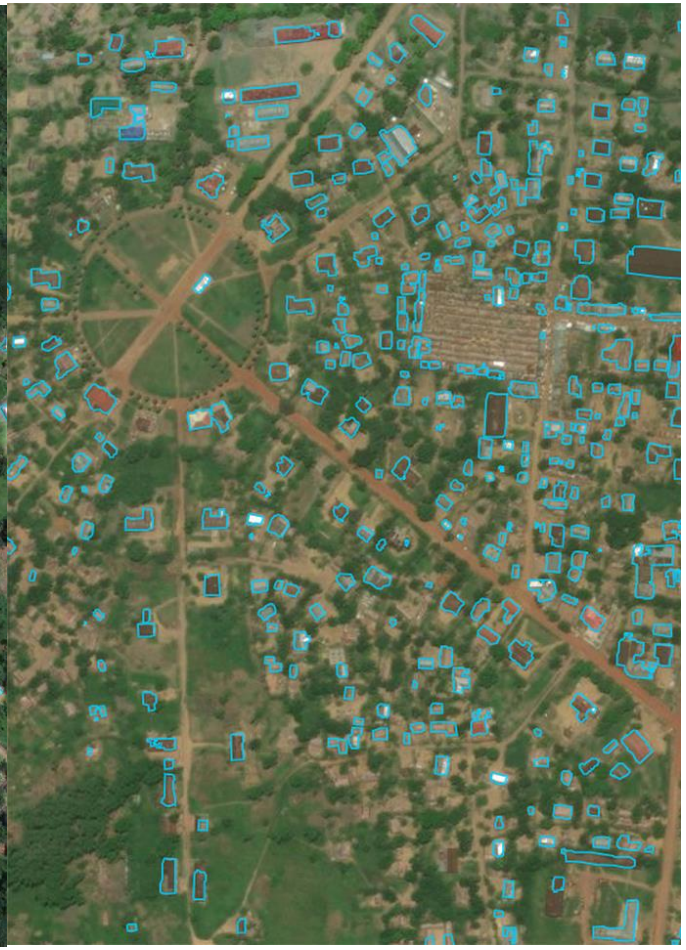
- GBDX analytics for creating building footprints
- Enables better maps for on-the-ground responders
- Ebola outbreak is contained



BILL & MELINDA GATES *foundation*

- Building footprints in Tanzania as baseline information
- Nearly 1M km^2
- 18.5M buildings
- 3 weeks to build and analyze the whole country

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