

THE POWER OF SEEING A BETTER WORLD

MDA

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MAXAR
TECHNOLOGIES



radiant
SOLUTIONS

Space Technologies for Sustainable Blue Economy

SDB Day (2019) @ Mooloolaba

Abhineet Jain (AJ) – Global Industry Business Development

Maxar Technologies is at the nexus of the new space economy



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Innovative Spacecraft Systems

Communication and Earth
observation satellites

Space exploration missions

On-orbit satellite servicing

Robotics for next-gen space

Space and Ground Infrastructure & Systems

Surveillance and intelligence
systems

Defense and maritime systems

Robotics, Sensors and
Automation

Satellite antennas, electronics
and payloads

Ground systems

Radar satellites and data

Satellite Imagery and Geospatial Information

Electro-optical, high-resolution
satellite imagery

Geodata layers and
information products

Mission ready geospatial
intelligence (GEOINT)

Big data platform and tools

Agile Geospatial Intelligence, Analytics & Services

Sensor and ground system
optimization for near real-time
geospatial insight

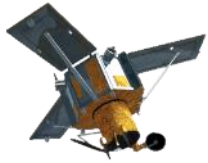
Multisource data enrichment
and analysis

Machine learning and analytics
at scale

20 Years of Ecosystem in the making



Not Just Maxar Content... and Growing



IKONOS®



WorldView-1®



GeoEye-1®



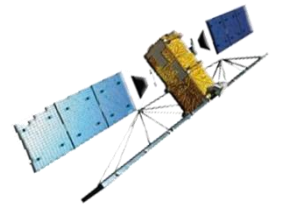
WorldView-2®



WorldView-3®



WorldView-4®



RadarSat-2®



QuickBird®



Sentinel-2



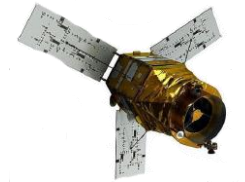
LandSat-8



Sentinel-1

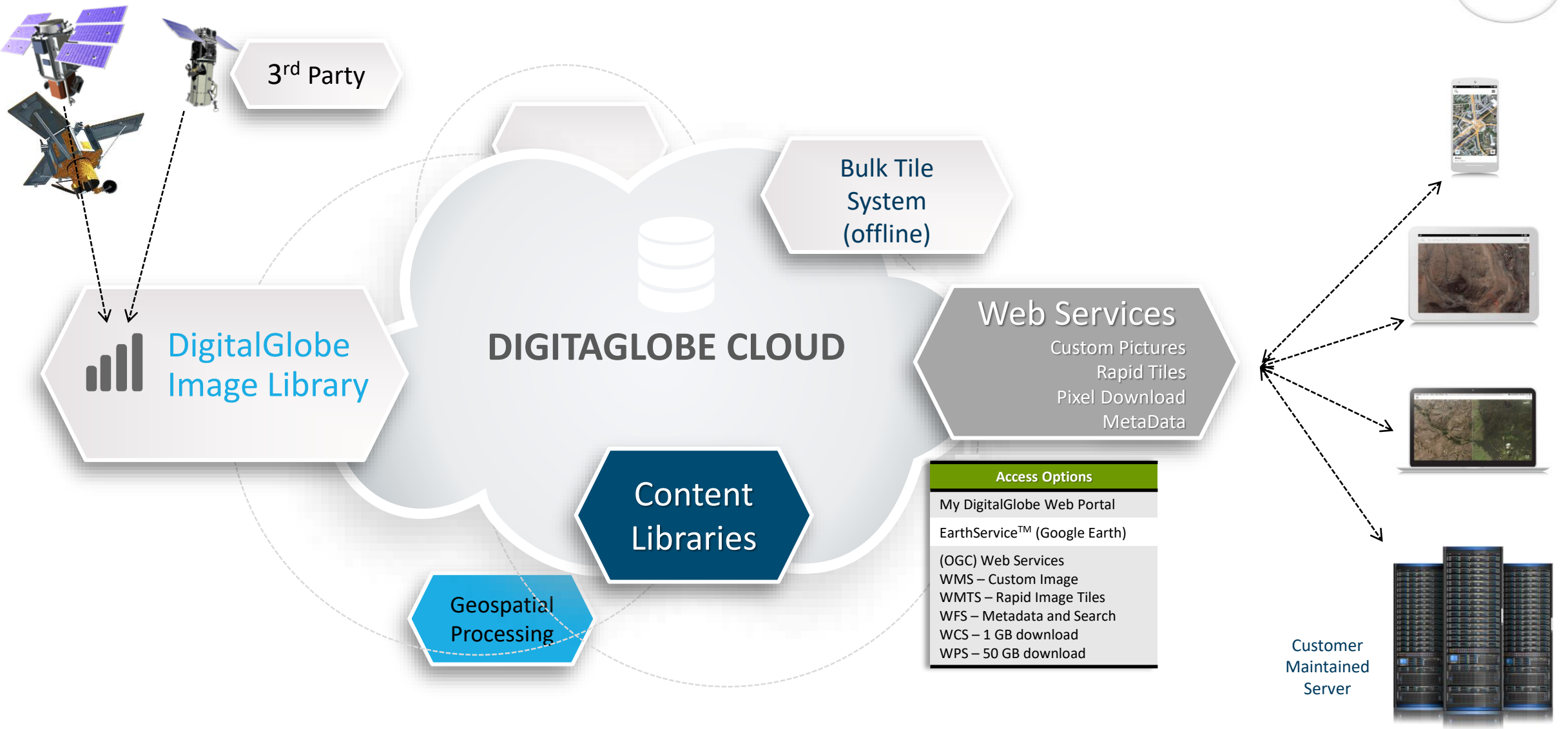


Coming

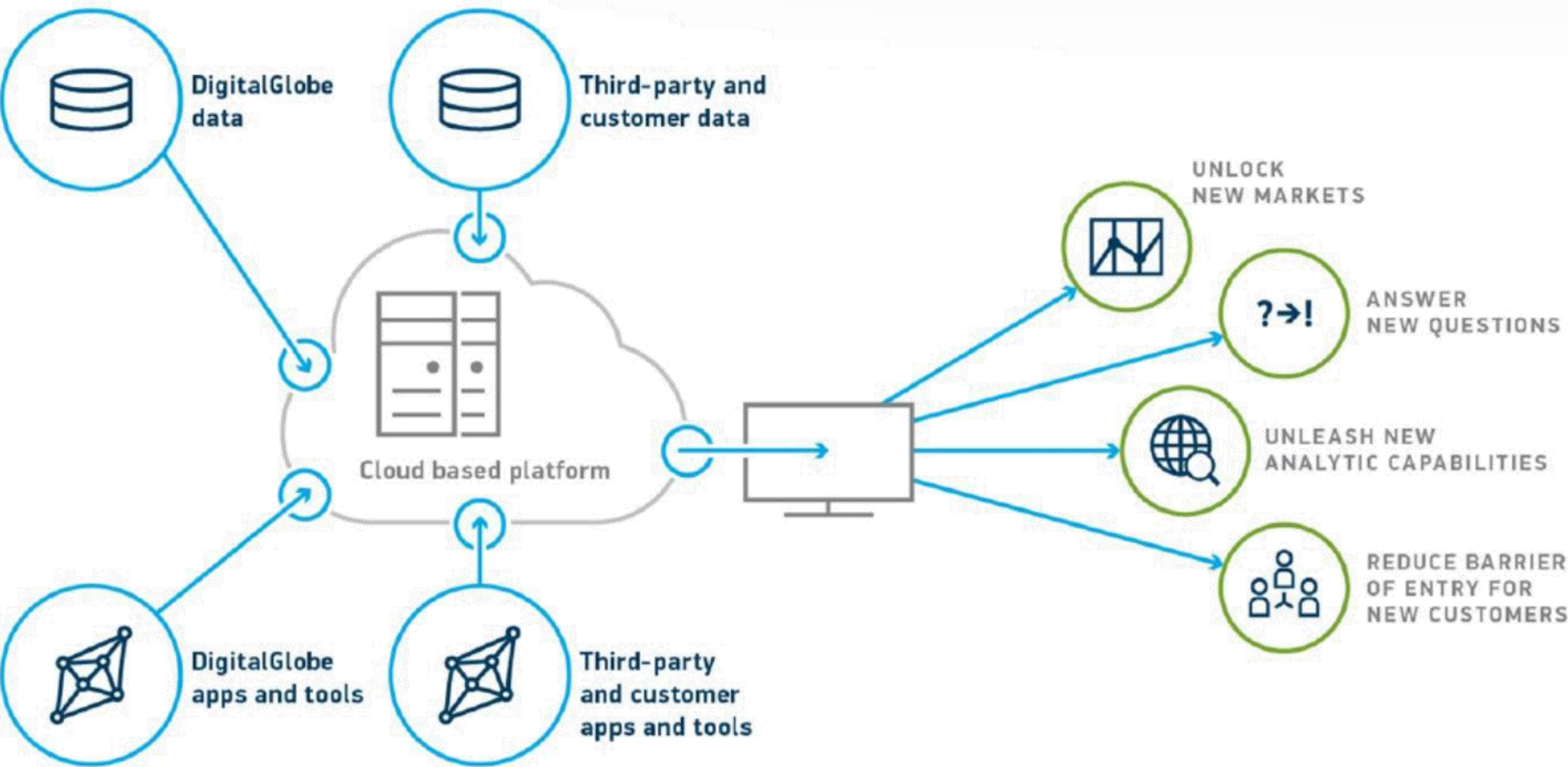


In Orbit

Access – Online, On Demand

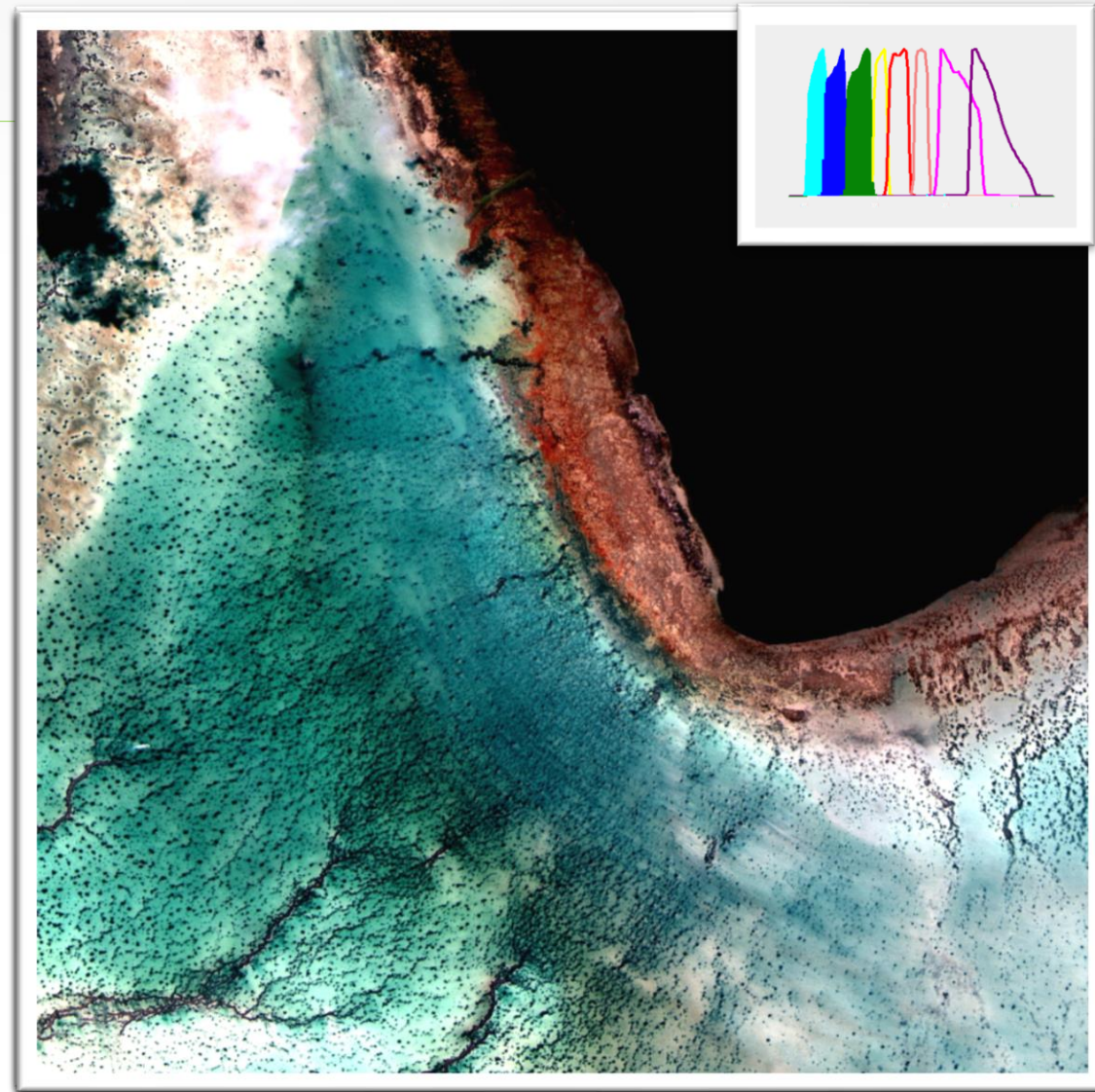


Access - Geospatial Big Data Platform [GBDX]

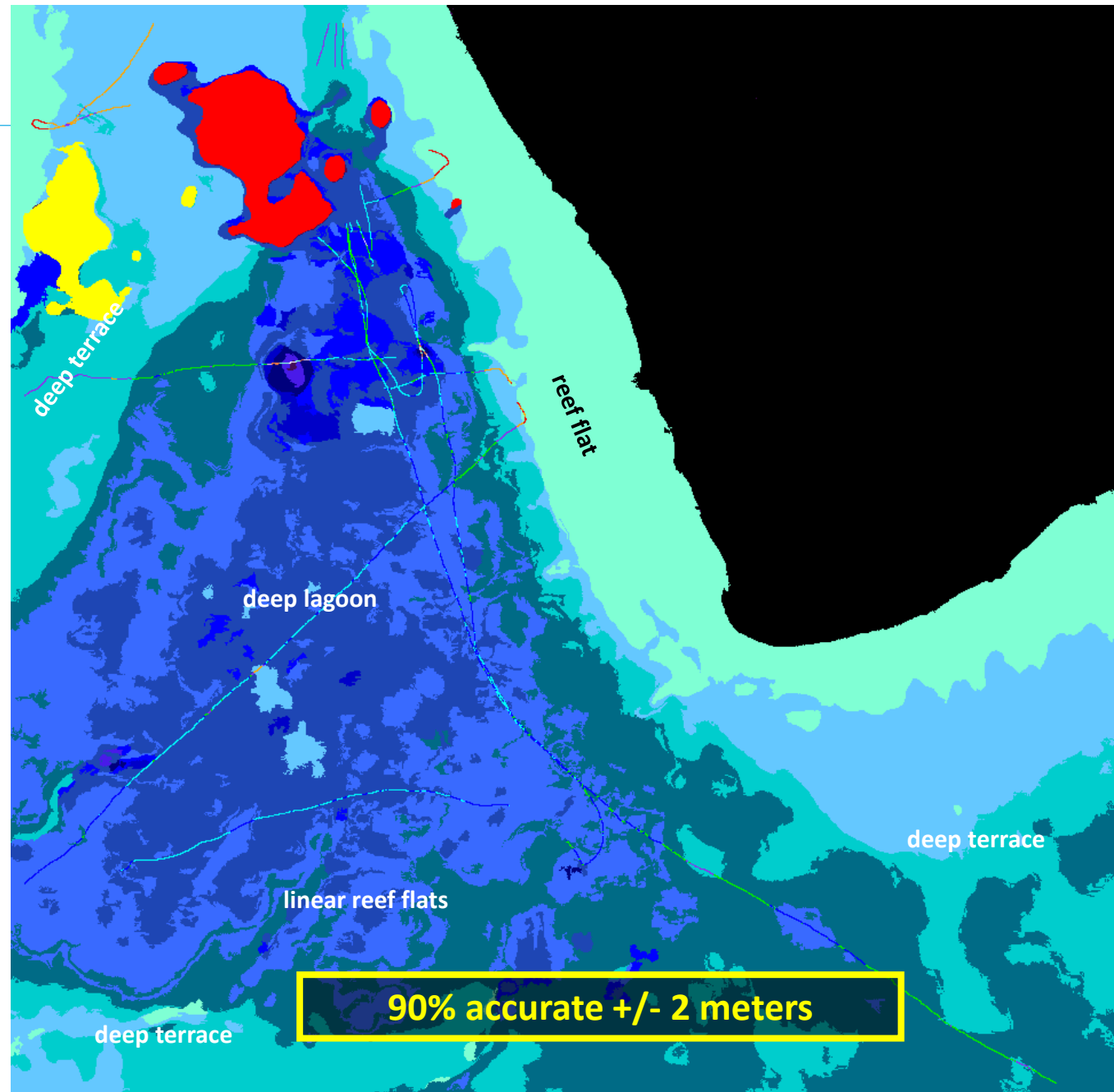


Increasing Spectral Resolution

8 BANDS (VNIR)



WV2 Bathymetry



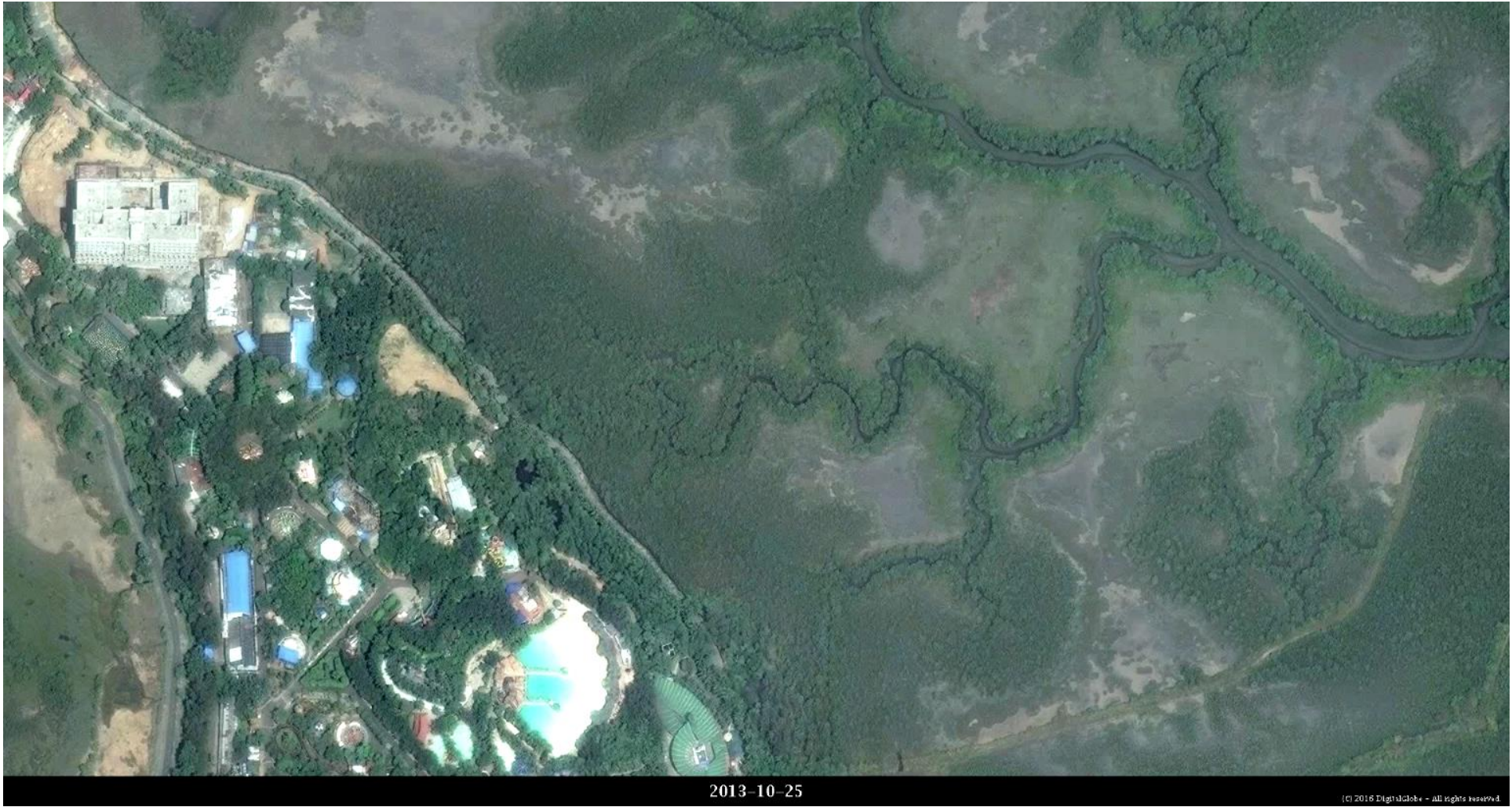








Gorai, Mangroves Change Timelapse



Sustainability & Development : A Story of Sand Mining (India)



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UP illegal sand m drivers arrested

Seven trucks were seized from Titli and f

UP govt officials come under CBI lens mining case

The court directed CBI to probe the matter in March after a PIL was filed alleging that ille
active involvement of government officials.

INDIA Updated: Jun 12, 2017 23:24 IST

Aasim Javed
Hindustan Times, New Delhi



By: PTI | Muzaffarnagar | Published: March 27, 2017 1:39 pm



Maulana Badruddin
Ajmal's AIUDF grew
faster than BJP, says
Army Chief Bipin Rawat

Twelve truc
and the dri
against ille
riverbed in
Officials, le
Singh, seize
Ghar last ev

Seven truck
from Ahma
drivers wer
official said
the Aditya
direction to

NGT bans mechanised sand mining in Uttar Pradesh, orders enquiry

PTI | Updated: May 16, 2017, 09:09 PM IST



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Comments

A+



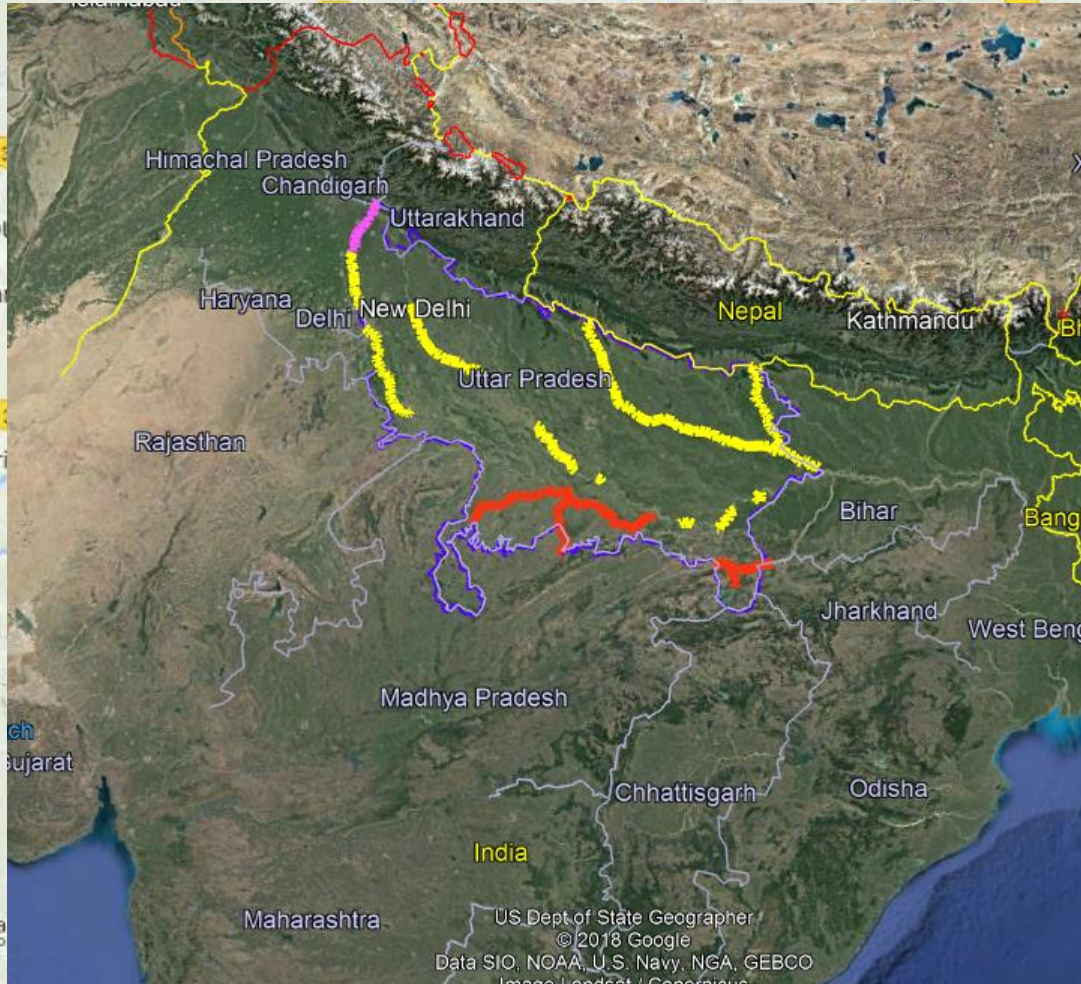
The tribunal passed the judgement on the plea filed by
Lok Sabha MP Kirti Vardhan Singh from Gonda who
had written to it seeking ban on large-scale illegal sand
mining.

NEW DELHI: The National Green Tribunal
today banned illegal extraction of minor
minerals through mechanised mining in
Gonda and Faizabad districts of Uttar
Pradesh and ordered a probe into the
unauthorised activities there.

A bench headed by NGT Chairperson Justice
Swatanter Kumar ordered that there should
be no mining activity within 50 metres from
the end of the railway track on Mankapur in
Faizabad and 150 metres from railway or any
other bridges.

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Sustainability & Development : A Story of Sand Mining (India)



Oct 10, 2012| WV02| 50cm



March 04, 2013 | WV02 | 50cm



11 Feb 2017 | WV02 | 50cm



■ Feb 12, 2017 | WV03 | 40cm

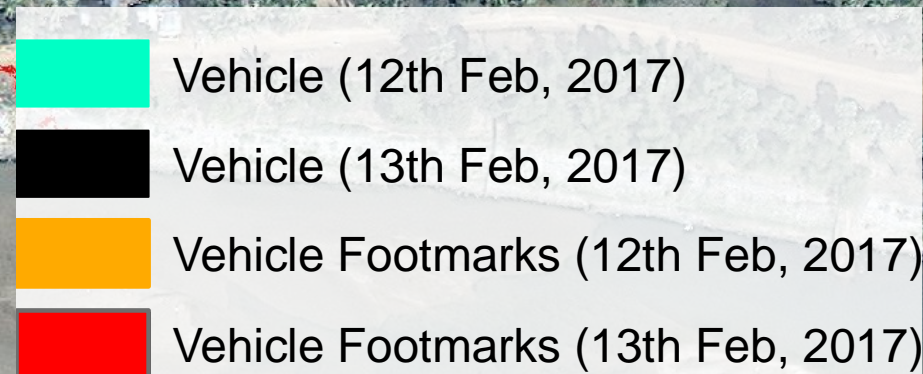
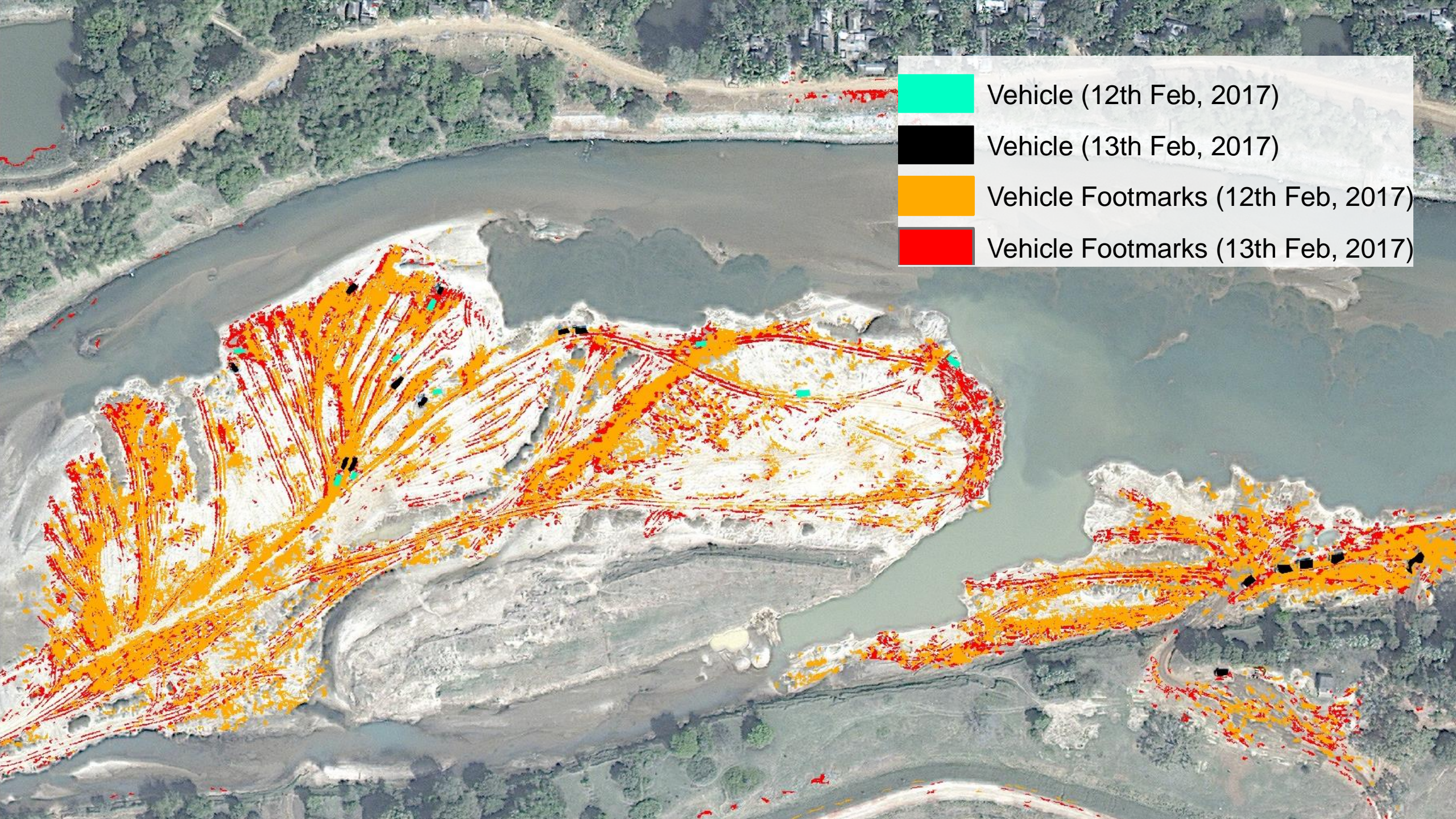


■ Feb 13, 2017 | WV03 | 30cm



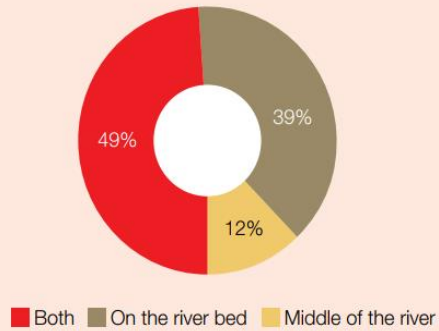
■ Feb 13, 2017: Zoomed | WV03| 30cm



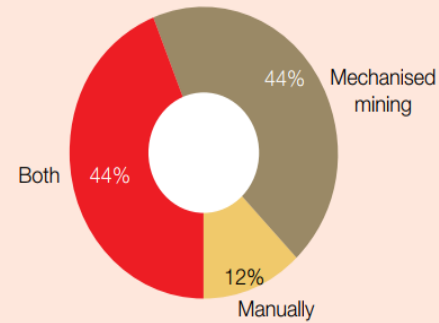


■ Feb 13, 2017: Zoomed | WV03| 30cm

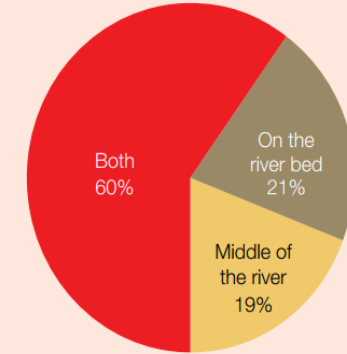
Places of sand mining in river



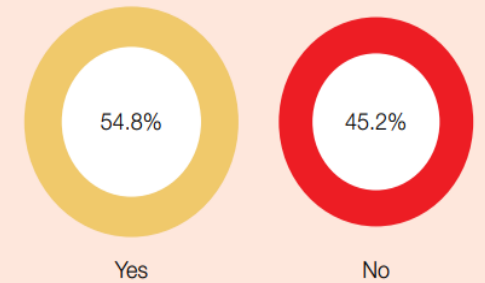
Process of sand extraction



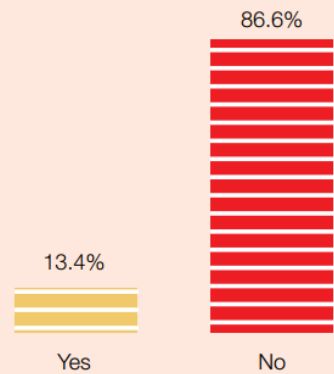
Sand extraction affect the riparian life



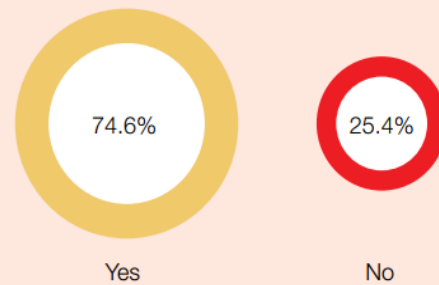
Spread of mosquito/infectious diseases after pit excavation



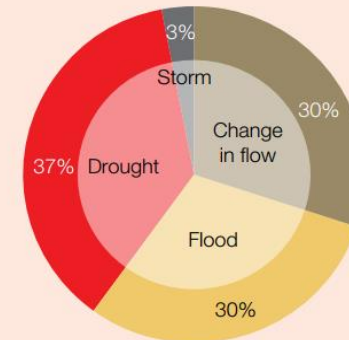
Peoples' present dependency on river bed farming



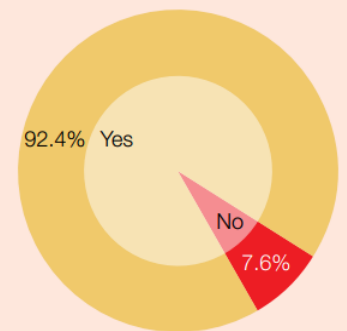
Use of heavy machines increases turbidity in water



Extreme events due to sand mining



People get affected due to lowering of water level and pollution





This is Lake Volta in Ghana.



Eyes in the sky: online mappers track child slavery in Ghana | Reuters

<https://uk.reuters.com/.../eyes-in-the-sky-online-mappers-track-child-slavery-in-ghana-id...>

Oct 27, 2015 - More than 20,000 children are forced into slavery on **Lake Volta**, the ... said Caitlyn Milton at Tomnod, part of the satellite company **DigitalGlobe**.

You visited this page on 4/14/19.

Creating a Better World | Trajectory Magazine

trajectorymagazine.com/creating-a-better-world/ ▼

Nov 2, 2016 - For example, **DigitalGlobe** imagery helps NGOs in India and Pakistan ... to reveal child slavery on illegal fishing boats at **Lake Volta** in Ghana.

Help from above: Satellites, crowd sourcing to fight child slavery in ...

<https://www.foxnews.com/.../help-from-above-satellites-crowd-sourcing-to-fight-child-sl...>

Oct 22, 2015 - Tomnod, the project run by **DigitalGlobe**, has pointed its orbiting cameras at Ghana's **Lake Volta**, an infamous hub for child trafficking. It's been ...

A crowdsourced satellite image search is helping find child slaves in ...

<https://qz.com/.../a-crowdsourced-satellite-image-search-is-pinpointing-child-slavery-n...> ▼

Oct 23, 2015 - **Lake Volta**, in the eastern part of Ghana, has long been a center of ... satellite company **DigitalGlobe** (of which Tomnod is part) available online.



Monitoring human trafficking

Assessing the extent of child slavery with high-resolution imagery and crowdsourcing



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Monitoring human trafficking

Assessing the extent of child slavery with high-resolution imagery and crowdsourcing



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tomnod Ghana: Child slavery ⓘ

1.60k 1.88k 9.52k



- ~10000 SQ KM searched
- Over 90,000 users helped with this campaign
- Identified over 80,000 boats, buildings and fish cages

Tomnod started the search campaign with the Global Fund to End Slavery to track and log every boat, fish cage and building along Lake Volta for the first reliable estimate of child slavery in the region. (Image provided by DigitalGlobe © 2015)