



#### OS: What we do

- 20,000 updates daily to our database of every landscape feature in England, Scotland and Wales
- 230 surveyors use distance measures and hand-held Global Navigation satellite signal (GNSS) receivers
- Two planes, 120,000 aerial images every year
- OS Net a network of 110 GNSS receivers means we can capture to an accuracy greater than anyone else in Britain
- We also use unmanned aerial vehicles
- Select + Build National Geospatial Database making data accessible
- Consumer maps







#### Earth Observation – key advantages

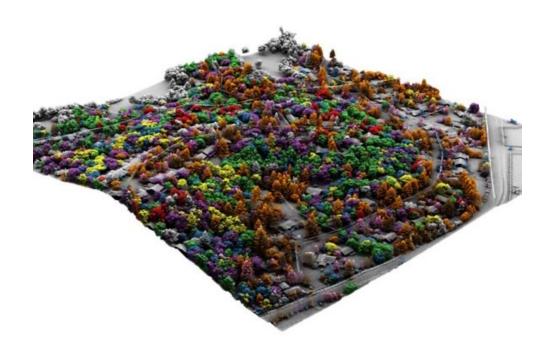
Currency

Time series analysis

Multispectral analysis (optical)



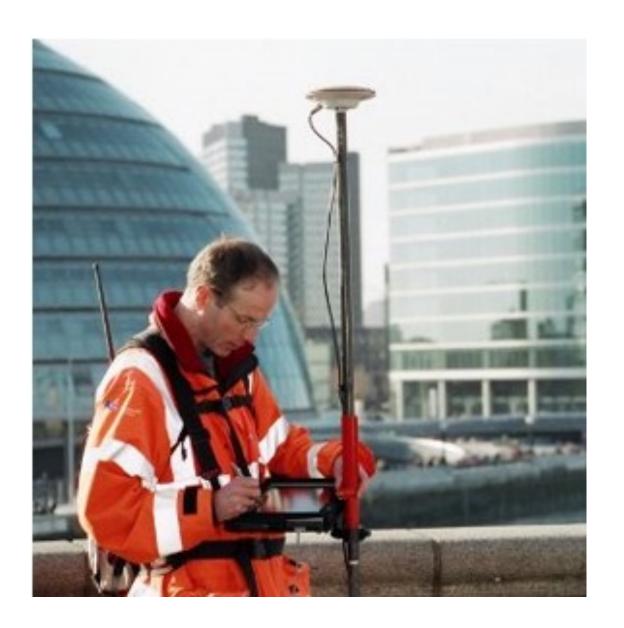




Source: NASA

#### Field Observations





#### EO+GEO: Global goals, local impact











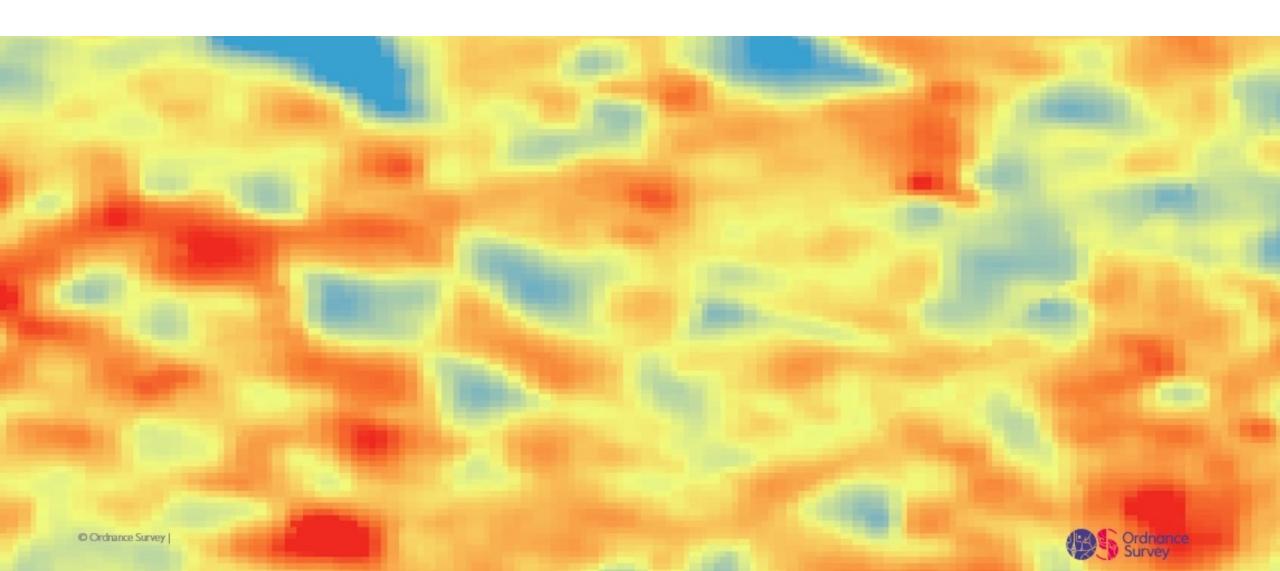




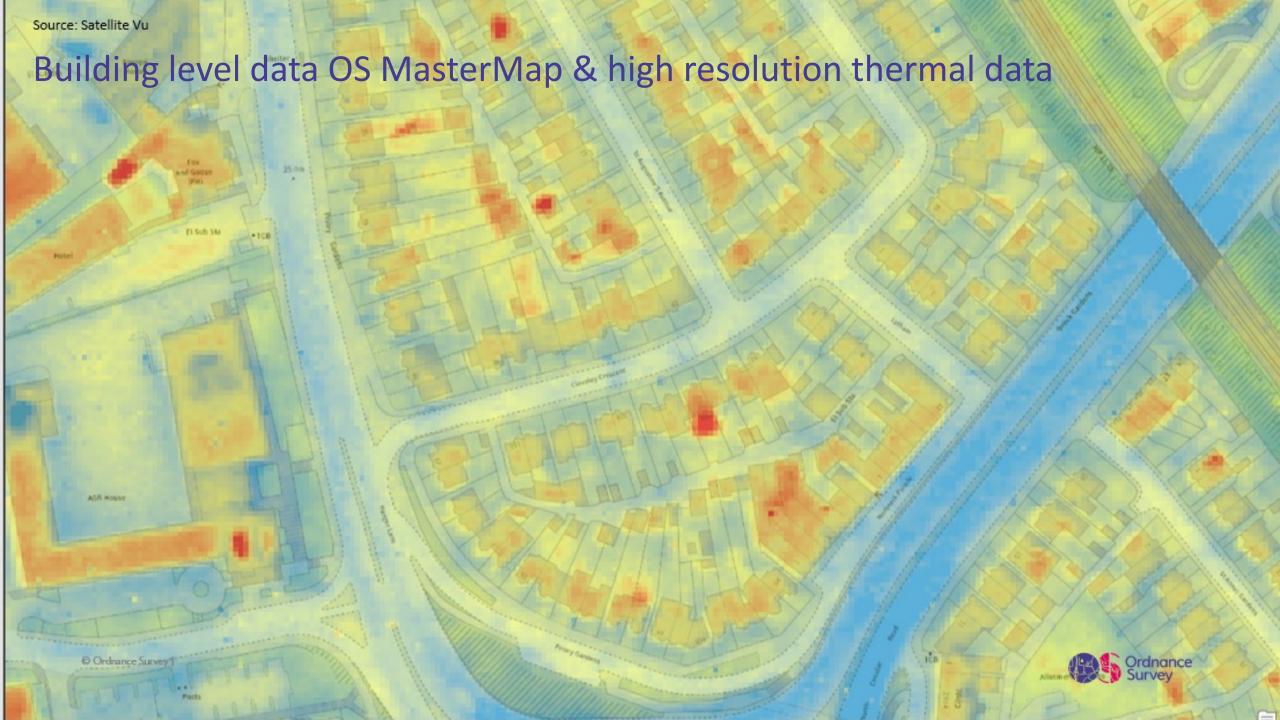




## Why EO needs Geo



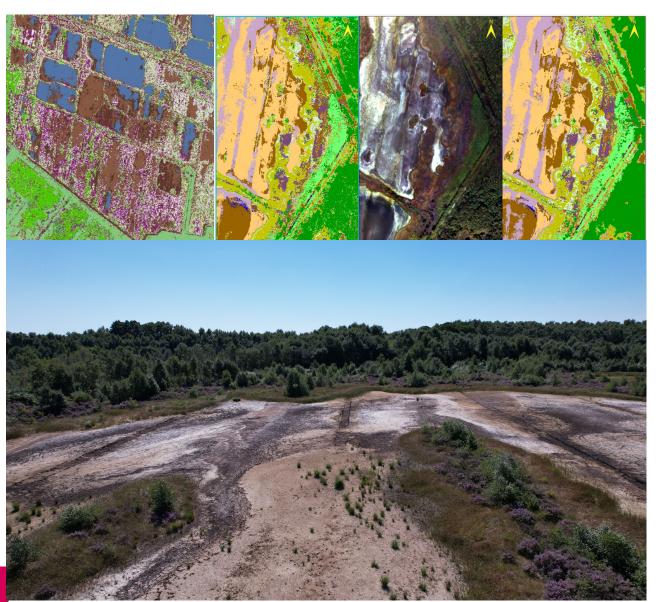


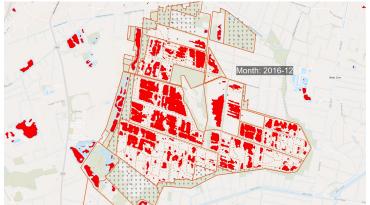


## Landscape scale restoration

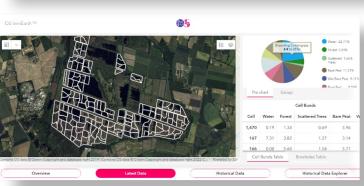


#### OS VeriEarth®









The Service ensures visibility of the offset and restoration activity to protect investments and investors from greenwash and reputation damage.



### Global Collaboration



## The Supply Chain problem in numbers



70% of international trade today involves global value chains (OECD)

Supply chains generate 60% of global emissions (Accenture)

Up to 90% of an organisation's environmental impact lies in the value chain (Carbon Trust)

7 years left to reduce emissions by almost half by 2030, to limited to 1.5°C (IPCC)

Environmental supply chain risks to cost companies \$120 billion by 2026 (CDP)

Less than 21% of companies have complete visibility into sourcing of sustainable products (SAP/Oxford Economics)



#### Solving the problem of where: The Supply Chain Data Partnership

Supply chain community still lacks the location data on commodity facility assets (e.g., bulking sites, mills, refineries, transport terminals, storage, processing, etc.) to conduct effective due diligence and achieve large scale traceability to commodity origins.

We are creating a new **verification system for asset location** that **enables** a wide variety of **transparent**monitoring, due diligence and finance to flow where its
most needed.





Deloitte.



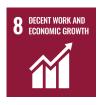






#### **Outcomes**

- Accelerate and amplify companies' Deforestation Free and Restoration corporate commitments, brand claims and compliance with Due Diligence legislation.
- Accelerate a consistent approach to location validation to support ESG's and green finance to remove greenwashing.
- Enable trust to be built into the system to support location intelligence and transparency.
- Shine a light on the darker areas of the supply chain to help buyers and investors disrupt and intervene.
- Assist in reducing emissions, biodiversity loss and environmental impact of supply chains, reduce unsustainable agricultural practices and land degradation through more effective monitoring and smart procurement contracts based on the known asset location.













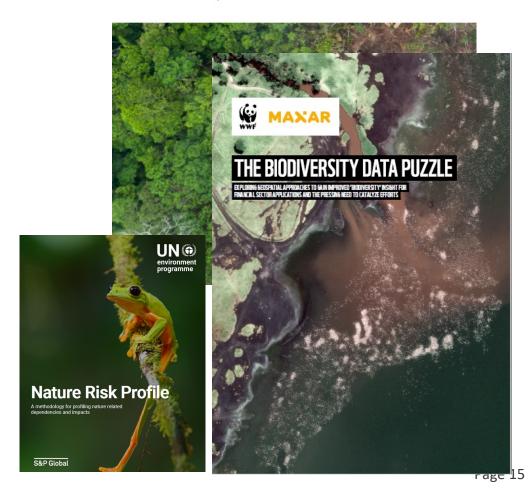






#### GEOSPATIAL ESG

INSIGHTS ON THE ASSET, CORPORATE AND SOVEREIGN LEVEL





#### Conclusion

You can't solve climate without nature, and you can't solve nature without knowing the location.

You can't help people live sustainable lives without seeing where are the problems, and opportunities to act.

GEO + EO can provide the insight to help solve these problems and hold entities to account

# Thank you

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