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KAYRROS

Space for Sustainability

EO Addressing Key Environmental Challenges

Geospatial World Forum 2022, Amsterdam

May 10, 2022

Kayrros: leading geospatial analytics for energy and environment



CUSTOMER BASE

+80 customers

Including the world's leading financial institutions and energy companies

\$3 trillion

Aggregated market value of Kayrros customers



KEY METRICS

- Monitoring **200k+** energy assets
- Using **10+** constellations of satellites, source agnostic
- 5bn** position data points processed per day
- 100+** remote sensing & data fusion algorithms



REGIONAL FOOTPRINT



Paris



Houston



London



Singapore



New York



Bangalore



TEAM

- Strong tech & science **team of 140**
- 80+ MSc and 15+ PhDs** from world-class universities & schools in artificial intelligence, physics, big data & energy
- 24** nationalities

EO is key to meet the world's top environmental challenges

opportunities for climate action based on Kayrros analytics

1 Gt CO₂e

equivalent to the carbon emissions of 250 million cars

Additional environmental benefits:



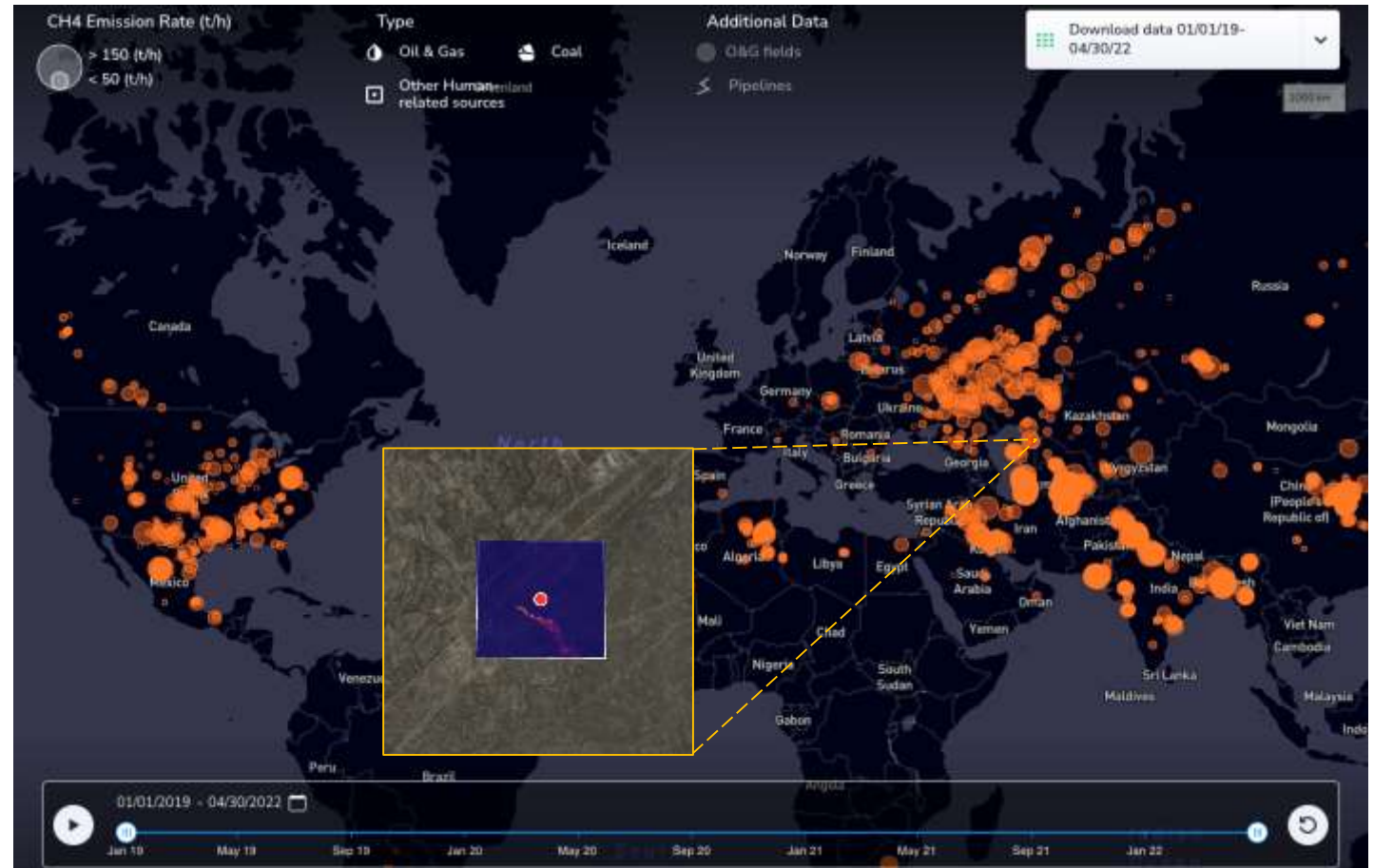
Challenge:
Eliminate
methane super-emitters from the energy sector

Target Verticals Investors | Operators | Public Sector

ESG

Value Proposition

- Certify the production of oil & gas that is free of super-emitters
- Measure the carbon footprint of companies and supply chains



Methane super-emitters since January 2019, and example of vented emissions during pipeline maintenance in Kazakhstan

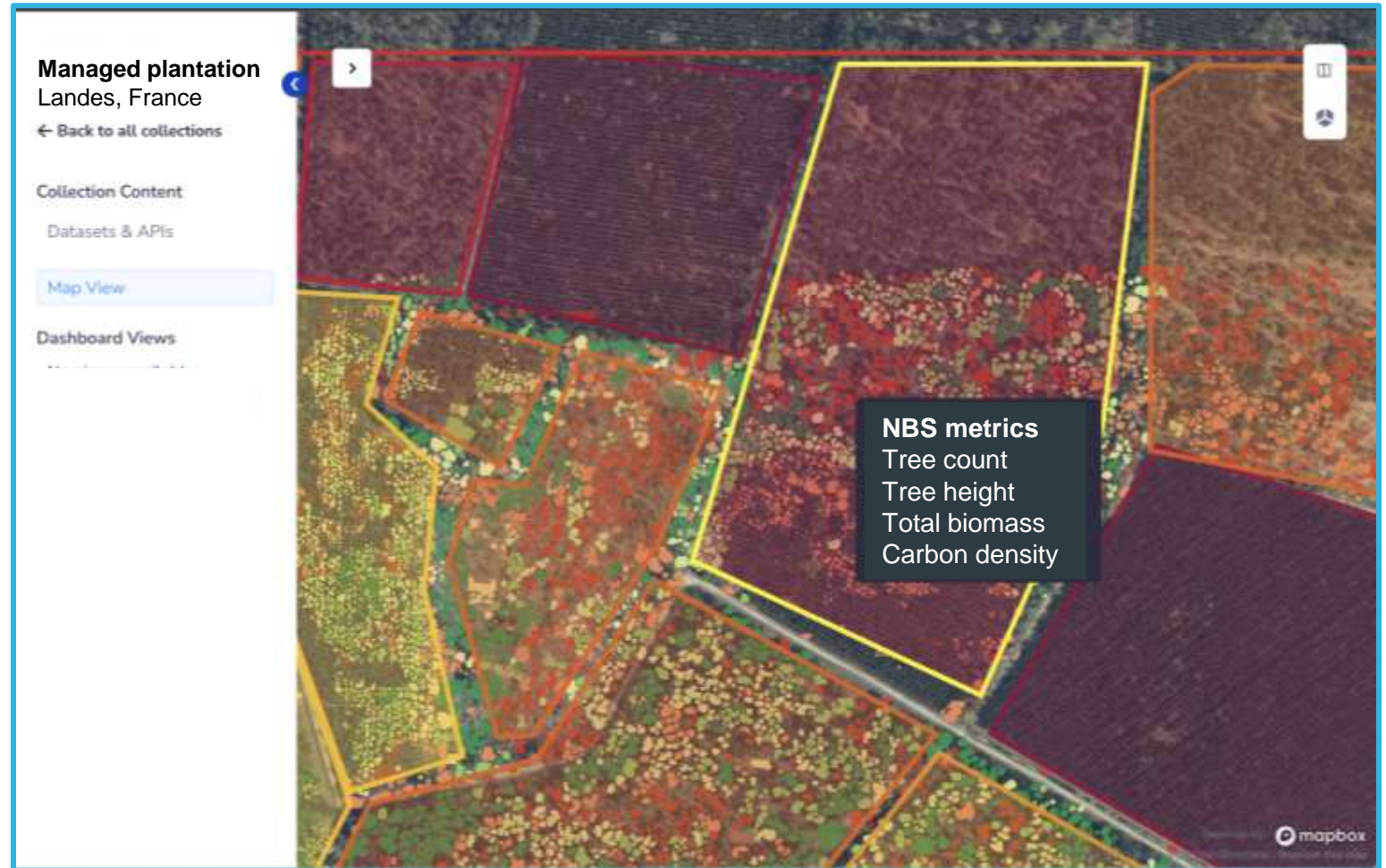
Challenge: Support voluntary carbon markets and nature-based solutions

Target Verticals Operators | Investors | Public Sector

ESG

Value Proposition

- Improve the integrity of carbon offsets
- Increase the project cash flow via enhanced verification



Identify individual trees, measure their height (colour sliding scale) and determine the biomass and carbon content of every parcel

Challenge: Stop imported deforestation

Target Verticals Public Sector | Operators | Investors

ESG

Value Proposition

- Identify non-compliant agricultural producers
- Map the supply chain from the field to the EU point of entry



Fires (red), logging (yellow) and deforestation (light green areas) in and around a sustainable forestry project (orange perimeter)

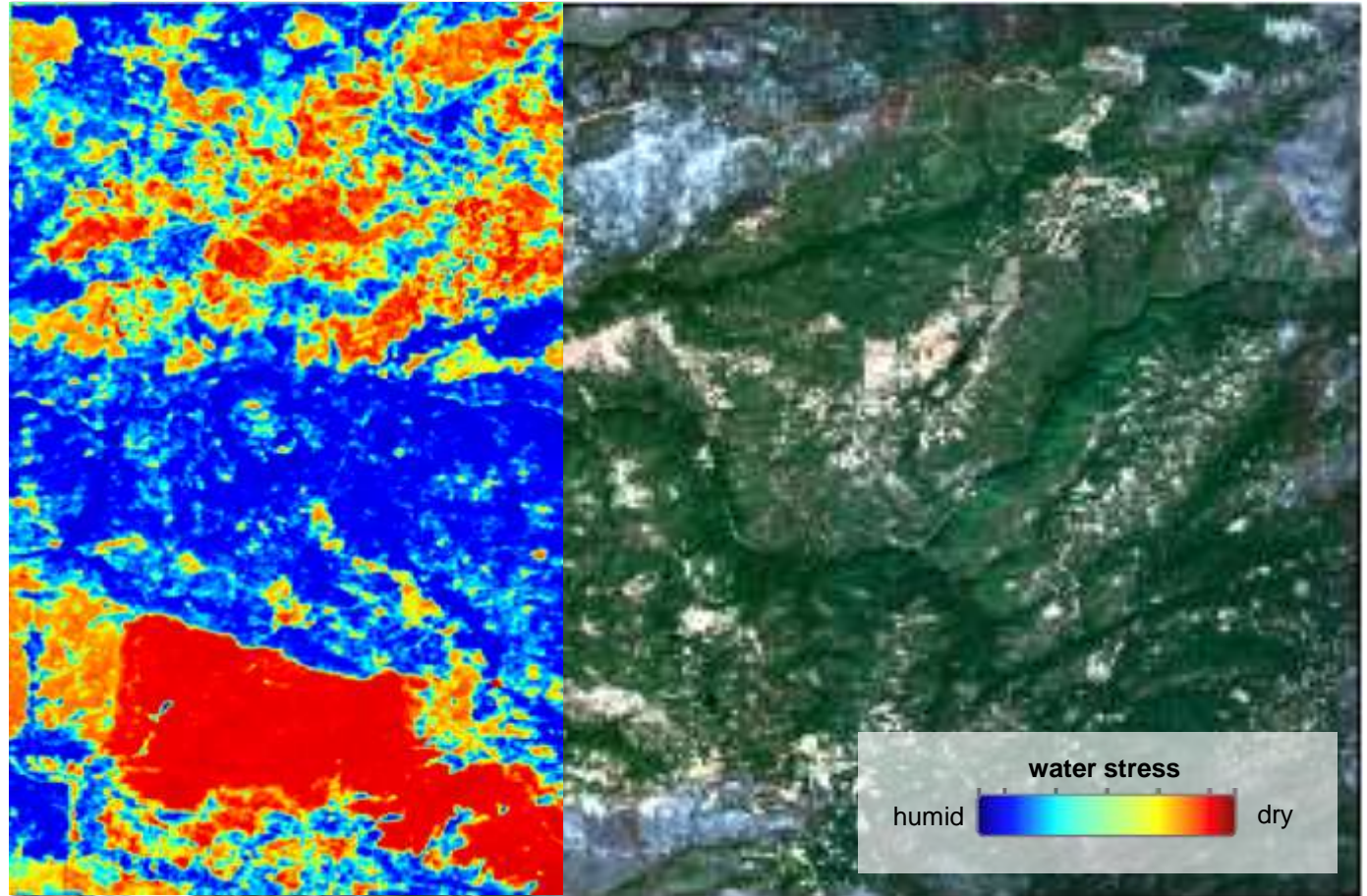
Challenge: Manage physical risks

Target Verticals Insurers | Operators

ESG

Value Proposition

- Reflect climate risk in insurance policies and asset valuations
- Take measures to prevent and/or mitigate risk



Areas vulnerable to wildfires based on the moisture content of vegetation

Decision-makers in the EU and US rely on Kayrros data for climate action



“thanks to Copernicus, and with the company **Kayrros** and its partners, we were able to detect greenhouse gas emissions that other powers did not want to reveal.”

Emmanuel Macron – French President



“[We can measure the carbon footprint] of a large corporation or country.... The Washington Post had a terrific story with the methane pinpointed in Russia and the whole **[Kayrros]** map of methane.”

John Kerry – US Special Presidential Envoy for Climate



“The European Commission will propose legislation to ... make measuring, reporting and verification of methane emissions mandatory for companies.”

Kadri Simson – EU Energy Commissioner showing **Kayrros** map



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