







DISAITEK CORE TEAM



Advisory Board Member

Elise COLIN

PhD Physics

ONERA research director



Co founders



Ex CEO / CIO / Chairman

CEO



Gregory CHATEL

PhD Computer Science



Flavien VANSYNGEL

PhD Physics



Rodrigo RIVEIRA

PhD Climate Physics



Thibaud RICHARD

PhD Physics ENS



Michael KUHNS

VP Global sales

mkuhns @disaitek.com



















ACHIEVEMENTS SO FAR

Two world-first technologies developed:

- Advanced Deep Learning for the detection of variable period exoplanets
- Platform that automates the detection of fly-tipping and illegal landfills with very high resolution imagery and advanced AI

RÉGION PROVENCE ALPES CÔTE D'AZUR Val d'oise le département

Major deal signed in May:

- SCSNE: Monitor progress and environmental impact
 - 110 km² length, 175 millions m³ of soil excavated, 10 years program.
 - Saving more than 5 millions truck a year on European roads.
 - Carbon offset under 9 years.





The problem we address

FLY TIPPING (ILLEGAL DUMPSITES)



Impacts

- Environmental (soil, air, groundwater, streams, CH4 emissions, biodiversity) (1)(2)
- Public health (harmful substances, contaminated drinking water, etc.) (3)
- Social (citizen stress)
- Economic (loss of jobs in the waste management sector, depollution costs, loss of taxes, unfair competition ...)(4)
- Organized crime funding (4)

- (1) Annex III / Waste atlas report 2014
- (2) Using satellites to uncover large methane emissions from landfills
- (3) UN Vienna 2022 / Combatting Waste Trafficking / A guide to good legislative practices
- (4) Mapping the risk of serious and organised crime infiltrating legitimate businesses



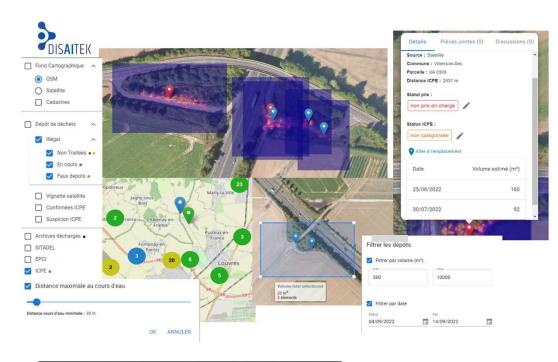
Waste problem at European level

« Waste crime » is one of the four main crimes against environment (Europol) and a pillar within European ECA (Environmental Compliance Assurance) program (1) Illicits revenus generated by diverting away waste from legal system account for an averaged estimation of 9 billions a year in Europe (2)

ECA program leverages three axis : Promotion, Monitoring and Law enforcement

EU considers earth observation as one of the 9 means to fight against environmental crimes (4)

- (1) https://ec.europa.eu/environment/legal/compliance en.htm
- (2) Mapping the risk of serious and organised crime infiltrating legitimate businesses
- (3) <u>UNEP / Interpol The rise of environmental crime</u>
- (4) EU actions to improve environmental compliance and governance







DISAITEK TRANSITION PLATFORM

Illegal dumping and illegal landfills

How we innovate

USE OF VERY HIGH RESOLUTION (50cm)	We detect as small as 5m2 High resolution (10m) only detects as small as 300m2
AUTOMATE DETECTION	Exhaustive view of the information. Base public policy on data
DETECT AS SOON AS POSSIBLE	Detect before situation being uncontrolable in illegal landfills
EVALUATE ENVIRONMENTAL RISKS	Undeground water and water streams / forest resources / sensible installations
INVESTIGATION CAPABILITIES	Fraud against Classified Installation for the Protection of the Environment Policy Body (ICPE / IPPC)
DIGITIZE PROCESSUS	Collaboration process / Photos and relevant documentation / Quotation
ANALYZE	Illegal waste flows and stock / Budget consolidation / Collaboration efficiency

DISAITEK TRANSITION PLATFORM Customers







