

# Earth Observation, *for environmental purposes.*

## 01 · ILLEGAL DUMPING

*Monitoring illegal dumping over large areas.*

- 4m<sup>2</sup> Minimum Detectable Dump Size
- 3, 000 km<sup>2</sup> monitored monthly
- 30-50 cm spatial resolution
- 5 cm aerial · coming soon

ENVIRONMENTAL THREATS ·  
POLLUTION · WILDFIRE RISKS

*VHR optical · commercial*

## 02 · CIVIL WORK

*Infrastructure monitoring and environmental impacts*

- Construction progress tracking
- Soil excavation traceability
- Natural resource loss

INFRASTRUCTURE PROGRESS · SOIL  
EXCAVATION · BIODIVERSITY LOSS

*VHR stereo · commercial*

## 03 · SUPPLY CHAIN

*Monitoring supply chain compliance*

- Deforestation-free products
- Yield-based CO<sub>2</sub>eq · Scope 3
- 360° EUDR compliance

NO DEFORESTATION · NO PEAT · NO  
EXPLOITATION (NDPE)

*Sentinel-1 · Copernicus*



# Our values



**70+**  
Field and Office  
collaborators



# So-B-Ecosystem

Structuring sustainable agricultural supply chain while creating social, environmental, and economic value for the value chain actors

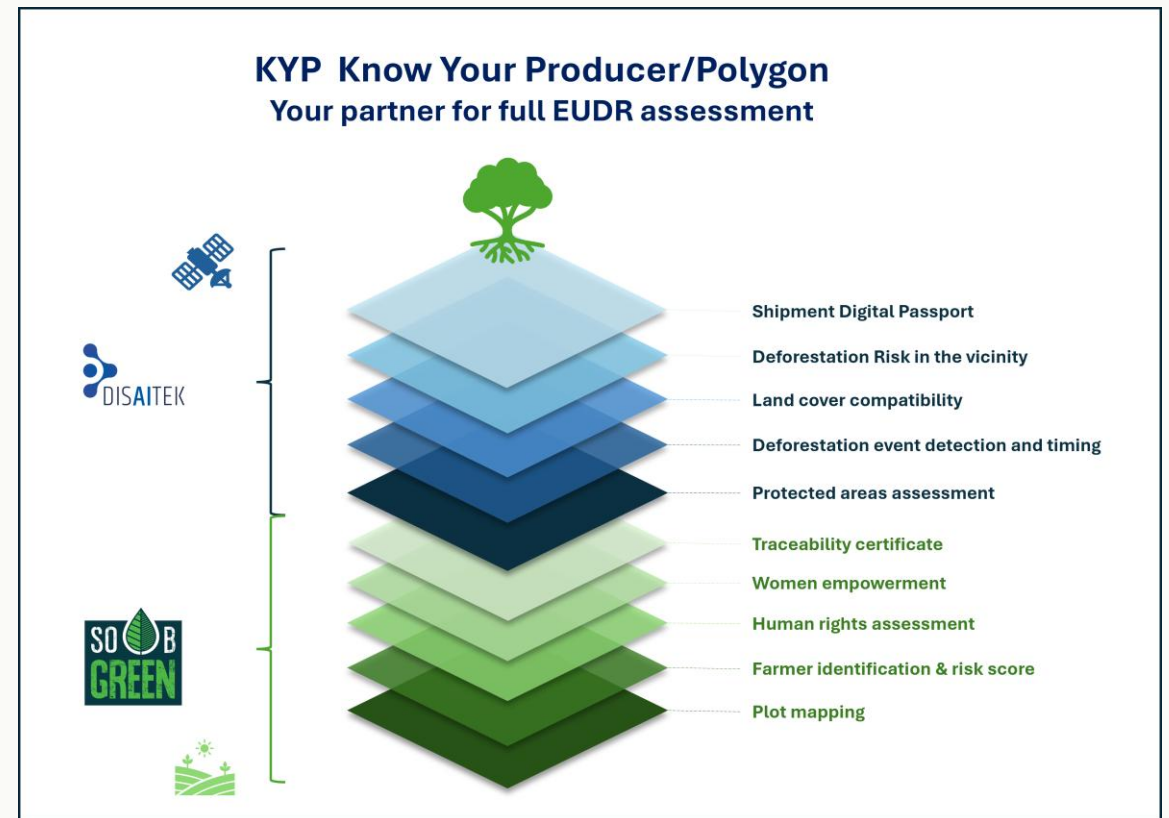
# Our mission

Social + Business + Green =



# Optical AI excludes smallholders. *SAR + physics doesn't.*

- EUDR: post-2020 deforestation banned from EU
- Standard method: optical AI on 2020 land cover
- AI confidence → arbitrary smallholder exclusion
- **>50% misclassification** on Ivorian agroforestry plots
- Our answer: **Sentinel-1 SAR + physics**

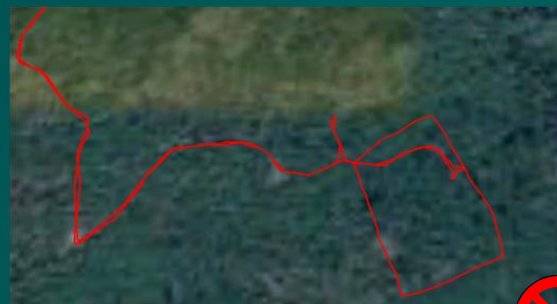
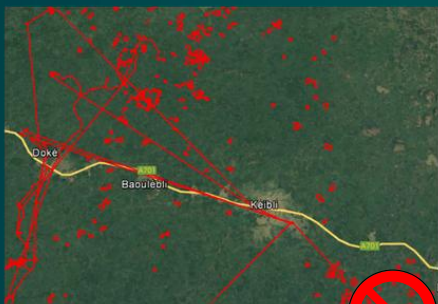


# Our So-B- modus operandi

4  
Geodata  
satellite check



Examples of valid vs invalid polygons



Point 1  
Longitude -6.023989  
Latitude 6.281568

6 digits



Point 2  
Longitude -6.0239  
Latitude 6.2815

4 digits



# Our So-B-modus operandi



Issuance of Digital Shipment Passport for 100% EUDR compliant polygons and lot

## 1 Conduct of DRA on the cleaned polygons

**Risk Assessment**  
SOBG\_S2\_251223

OVERALL RISK: **Non-negligible**

Plots - total area (ha): 13 208  
H3 Hexagon - total area (ha): 717 240

Year	Deforestation (Ha)	% of Plots	% of H3 area	Risk Level	Trend
2021	25.57	0.22%	0%	Low	→
2022	344.22	2.61%	0.05%	High	↑
2023	180.11	1.36%	0.03%	High	↓
2024	234.47	1.93%	0.04%	High	↑
2025	219.77	1.64%	0.03%	High	→

## 2 Request for verification of deforestation cases (if any)

**Request Verification**

165 polygons require verification  
2 deforestation 163 protected area

Supplier Email \*  
d.pernot@sobgreen.com

Supplier Name (optional)  
Delphine TEST

Message (optional)  
Can you please send the verification document against the 2 deforestation events identified?

Buttons: Cancel, Send Request

## 3 Remediation process

- Ground-truthing of the case
- Confirmation or denial
- Exclusion of problematic plot/farm/supplier
- Generation of a written minute

## 4

**Shipment Digital Passport**

Shipment Information:  
Client: N/A, Contract Number: CN005  
Product: Cocoa, Bill of Lading: N/A  
Country: Ivory Coast, Quantity: 200.00 tonnes

Passport valid: Generated on 2025-03-10 16:37  
EUDR Compliant: All 1723 included polygons meet EUDR requirements.

Deforestation and Degradation Compliance:  
1723 polygons were analyzed using DISAITEK 3D Tracker to assess deforestation or degradation events. All polygons were found to have no degradation or deforestation events exceeding 0.5 ha after 31 December 2020.

Land Cover Compatibility:  
1723 of 1723 polygons (100.0%) passed DISAITEK ALD Tracker validation, meaning that actual land cover is compatible with Cocoa plantation.

Compliance with National Protected Areas:  
1723 of 1723 polygons (100.0%) comply with Ivory Coast legislation concerning protected areas.

GeoJSON Export for EUDR Registry:  
This report is delivered with a GeoJSON file including all 1723 compliant polygons that have been submitted for validation and passed all EUDR compliance checks.  
File name: CN005\_260310.geojson  
We use MD5 hashing to generate a unique fingerprint for the compliant GeoJSON file, ensuring data integrity and providing clients with a verifiable method to confirm that the file has not been altered after verification.  
Hash MD5: 4415a3a1916a14220e106c70d4f

Submit your Due Diligence Statement (DDS)  
The EU Deforestation Regulation requires operators to submit a DDS to the TRACES NT information system. You have two options:

Download & submit yourself  
Download the compliant GeoJSON file and submit it yourself on the EU TRACES NT portal along with your DDS.  
Benefits: Full control over your submission, No additional information needed, Requires a TRACES NT account.

We submit on your behalf  
Authorize DisAtek to submit your DDS directly to the EU TRACES NT system. Additional information will be required: Supplier address and country, EUDR number (the import/export), EU country of origin, Supplier info (avoid products only).

Download GeoJSON

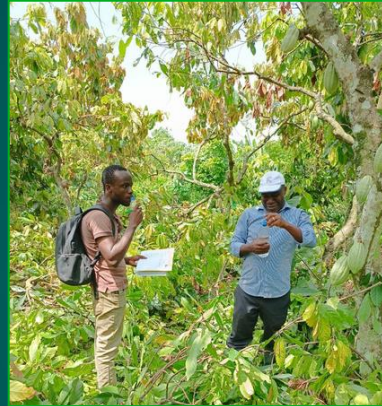
Available when EU system is open

Anthony GRAVELINE  
As the CEO and Compliance Officer, I hereby confirm the conclusions of this report. This document is electronically signed to validate its authenticity and finality.

DisAtek provides a user-friendly platform for managing compliance with forest protection regulations, which allows for the request of additional supporting documentation in cases of identified or suspected deforestation, and ultimately generates a Digital Shipment Passport certifying zero-deforestation sourcing.



# Our So-B- modus operandi



- Capacity building, awareness of deforestation and Good Agricultural Practices (GAP)
- Training and behavioral change
- Agroforestry Training
- Support for Local Environmental Governance
- Programs to combat Child Labor

# Being part of the program, *underlying motivations*.

## Business

- ESA recognition & visibility
- Network & commercial leads
- Sales legitimacy

## Social & environmental impact

- Free Copernicus → real-impact ventures
- Entrepreneurs scale environmental outcomes
- Impact + profit aren't opposites

## Policy making

- Satellite analytics = enforceable laws
- EUDR built knowing EO would enforce it
- Unlocks more ambitious regulation