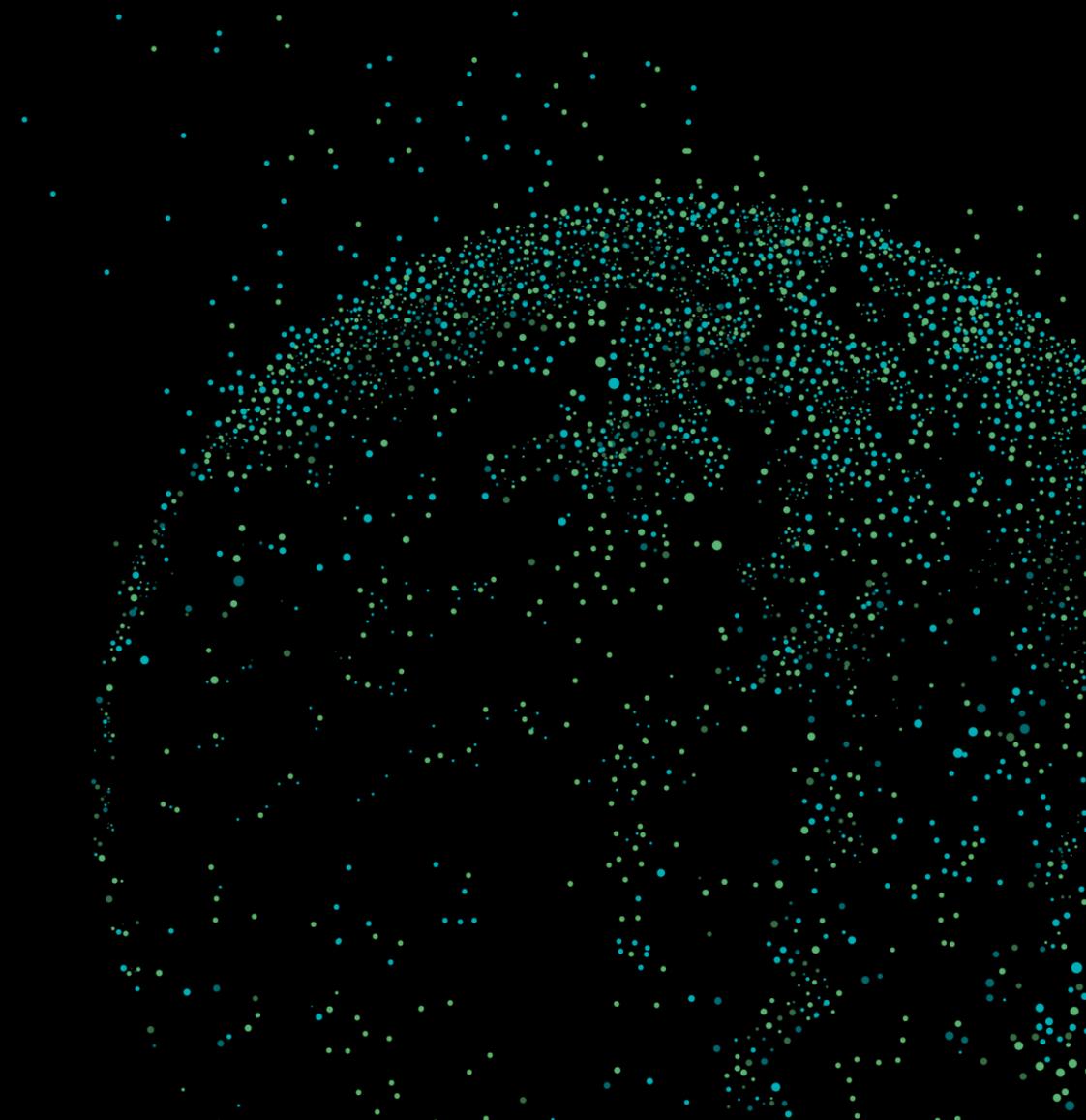




Navigating EUDR efficiently with osapiens



Vincent Canu
Country Manager



Driving sustainable growth for companies worldwide

- | Create transparent and sustainable supply chains
- | Meet legal requirements
- | Automate manual processes



550+
Employees

1900+
Companies

60+
Countries



EUDR in a Nutshell

When handling EUDR raw materials or products, EU companies must ensure that they are EUDR compliant.



-  Wood
-  Soy
-  Rubber
-  Cattle
-  Palmoil
-  Coffee
-  Cocoa
-  Relevant derived products listed in Annex 1 (i.e. Chocolate, Furniture)

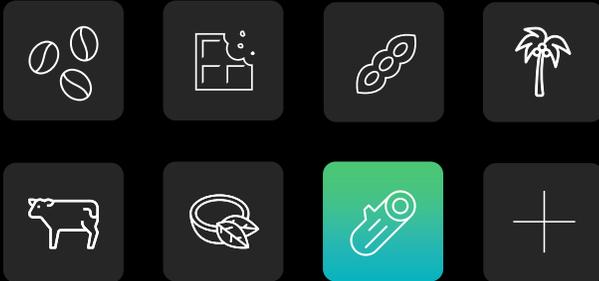
Operator

- **Article 2, 15)**
'operator' means any natural or legal person who, in the course of a **commercial activity**, places relevant products on the market or exports them;
- **Article 2, 16)**
'placing on the market' means the first making available of a relevant commodity or relevant product on the Union market;
- **Import from non-EU country or harvested/raised in EU**

Trader

- **Article 2, 17)**
'trader' means any person in the supply chain other than the operator who, in the course of a commercial activity, makes relevant products available on the market;
- **Article 2, 18)**
'making available on the market' means any supply of a relevant product for distribution, consumption or use on the Union market in the course of a commercial activity, whether in return for payment or free of charge;
- **„supply“ relevant, use in own organization not considered**

Wood (1/2)



Listing Principle

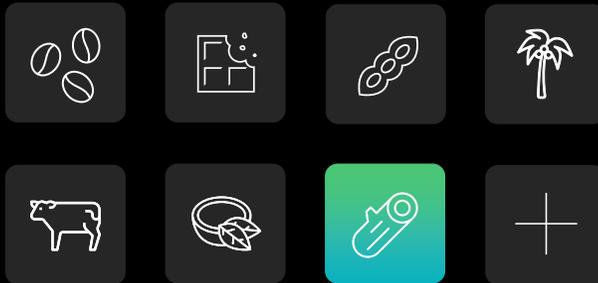
Only explicitly listed products are covered by EUDR

WOOD

Relevant commodity

4401	Firewood in logs, billets, twigs, brushwood bundles or similar forms; wood in chips or particles; sawdust, wood waste and scrap, whether or not agglomerated in pellets, briquettes, logs or similar forms
4402	Charcoal (including coal from shells or nuts), whether or not compressed
4403	Wood in the rough, whether or not stripped of bark or sapwood or roughly trimmed on two or four sides
4404	Wood for hoops; split poles; poles and stakes of wood, pointed but not sawn lengthwise; wood merely roughly trimmed or rounded but not turned, bent or otherwise worked, for walking sticks, umbrellas, tool handles, tool handles and the like; wood shavings, strips of wood, strips of wood and the like 4405 Wood wool; wood flour
4406	Wooden railroad sleepers
4407	Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness exceeding 6 mm
4408	Sheets of veneer (including sheets obtained by slicing plywood), sheets of plywood or of similar laminated wood and other wood, sawn lengthwise, sliced or peeled, whether or not planed, sanded, edge-jointed or end-jointed, of a thickness not exceeding 6 mm
4409	Wood (including strips and friezes for parquet flooring, not assembled), profiled (tongued, grooved, tongued, rebated, chamfered, moulded, rounded or the like) along one or more edges, ends or faces, whether or not planed, sanded or end-jointed
4410	Particle board, oriented strand board (OSB) and similar boards (for example, waferboard) of wood or other ligneous materials, whether or not agglomerated with resins or other organic binders
4411	Fiberboard of wood or other ligneous materials, whether or not made with resins or other organic substances
4412	Plywood, veneered wood and similar laminated wood

Wood (2/2)



Listing Principle

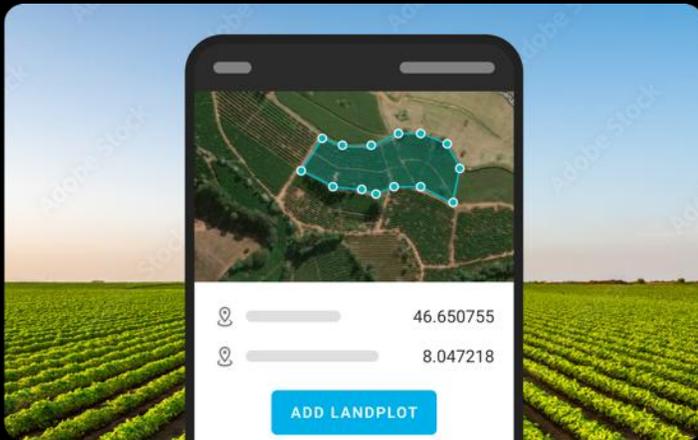
Only explicitly listed products are covered by EUDR

WOOD

Relevant commodity

4413	compressed wood in blocks, slabs, boards or profiles
4414	Wooden frames for pictures, photographs, mirrors or the like
4415	Boxes, cases, crates, drums and similar packings, of wood; cable drums, of wood; flat pallets, box pallets and other load boards, of wood; pallet collars, of wood (excluding packaging material used solely as a packaging material to support, protect or carry another product placed on the market).
4416	Barrels, casks, vats, tubs and other cooperers' ware and parts thereof, of wood, including staves
4417	Tools, tool holders, tool handles and tool handles, holders, handles and grips for brooms, brushes and paint brushes, of wood; shoe molds, shoe lasts and shoe trees, of wood
4418	Joinery and carpentry work, including composite panels with cavity centers, composite floor panels, shingles and shakes, of wood
4419	Wooden articles for use at the table or in the kitchen
4420	Wood marquetry and inlaid wood; caskets, cases and similar articles, of wood; statuettes and other ornaments, of wood; wooden furnishing articles, except for products of Chapter 94
4421	Other articles of wood pulp and paper of Chapters 47 and 48 of the Combined Nomenclature, excluding bamboo-based products and recovered products (waste and scrap)
ex 49	Books, newspapers, pictorial prints and other products of the graphic arts, manuscripts, typescripts and plans ex 9401 Seating furniture (other than that of heading 9402), whether or not convertible into deck chairs, and parts thereof, of wood
9403 30, 9403 40, 9403 50, 9403 60 & 9403 91	Wooden furniture and parts thereof
9406 10	Prefabricated buildings of wood

Data Collection, Art. 9



Polygon Data Gathering

Intuitive recording or gathering of landplots/polygons and harvest dates with a plausibility precheck, using

- ✓ Traceability app
- ✓ Supplier Portal
- ✓ Digital Standard Interfaces

Description

- ✓ Trade name, Type, Composition
- ✓ Scientific name (wood)

Origin

- ✓ Country of production
- ✓ (Parts thereof)

Supplier/ Trader Details

- ✓ Addresses
- ✓ Contact details

Quantity

- ✓ Volumes, # items
- ✓ Net Mass, UOM

Geolocation Data

- ✓ Landplots
- ✓ Harvest dates/periods

EUDR Compliance

- ✓ Deforestation-free status
- ✓ Legality of production

Compliance with Art. 10 and Art. 11

Risk Analysis

Article 10

➤ Is there negligible risk of non-compliance?

Risk Mitigation

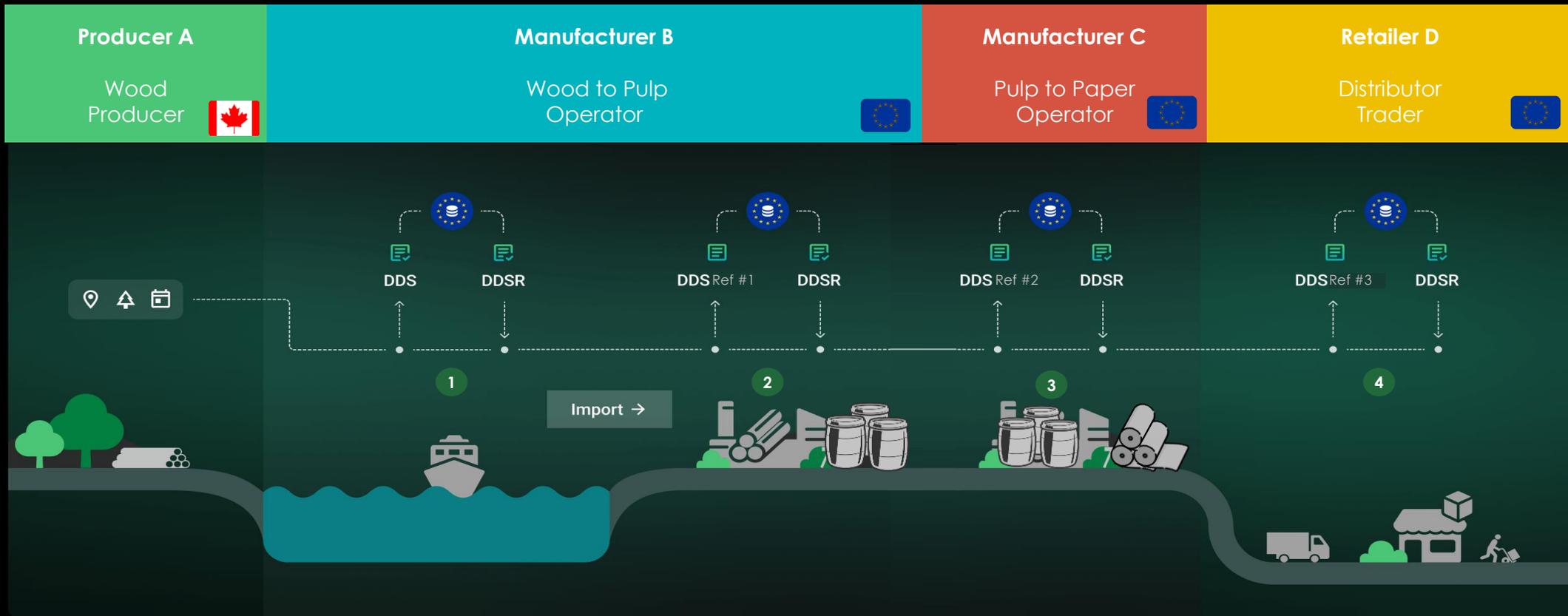
Article 11

➤ How to reduce risk of non-compliance?

Risk analysis along all EUDR-relevant dimensions

Article 2 (40), Article 3, Article 10 (2)





Framework and Challenges

Data Gathering

- ✓ Geolocations / polygon data
- ✓ Dates or period of the harvest
- ✓ DDS

Risk Analyses

- ✓ Deforestation-free EUDR commodities or products
- ✓ Legality, producer in country of origin

Integrated into production process

- ✓ Integration into existing ERP landscape

Traceability

- ✓ Trace products from the farm to the point of sale

Due Diligence Statement

- ✓ Creation and Transfer of Due Diligence Statement

Transfer of Data

- ✓ Provision of EUDR-relevant data downstream in the supply chain

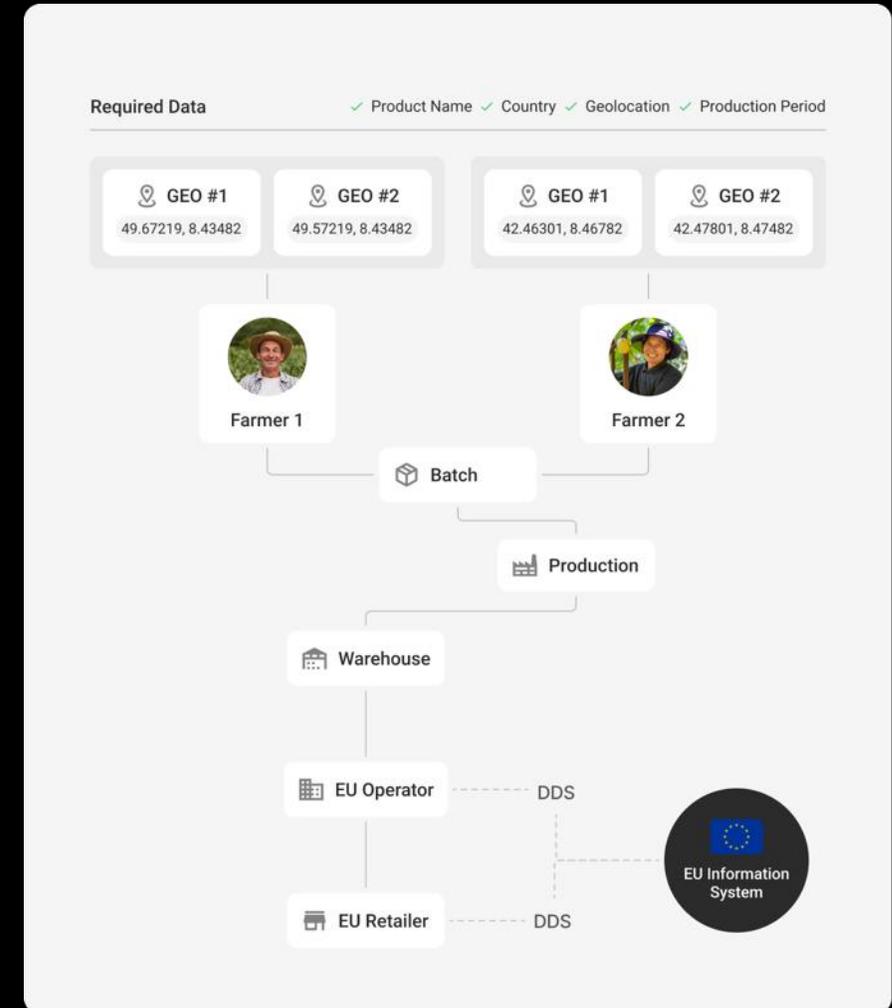
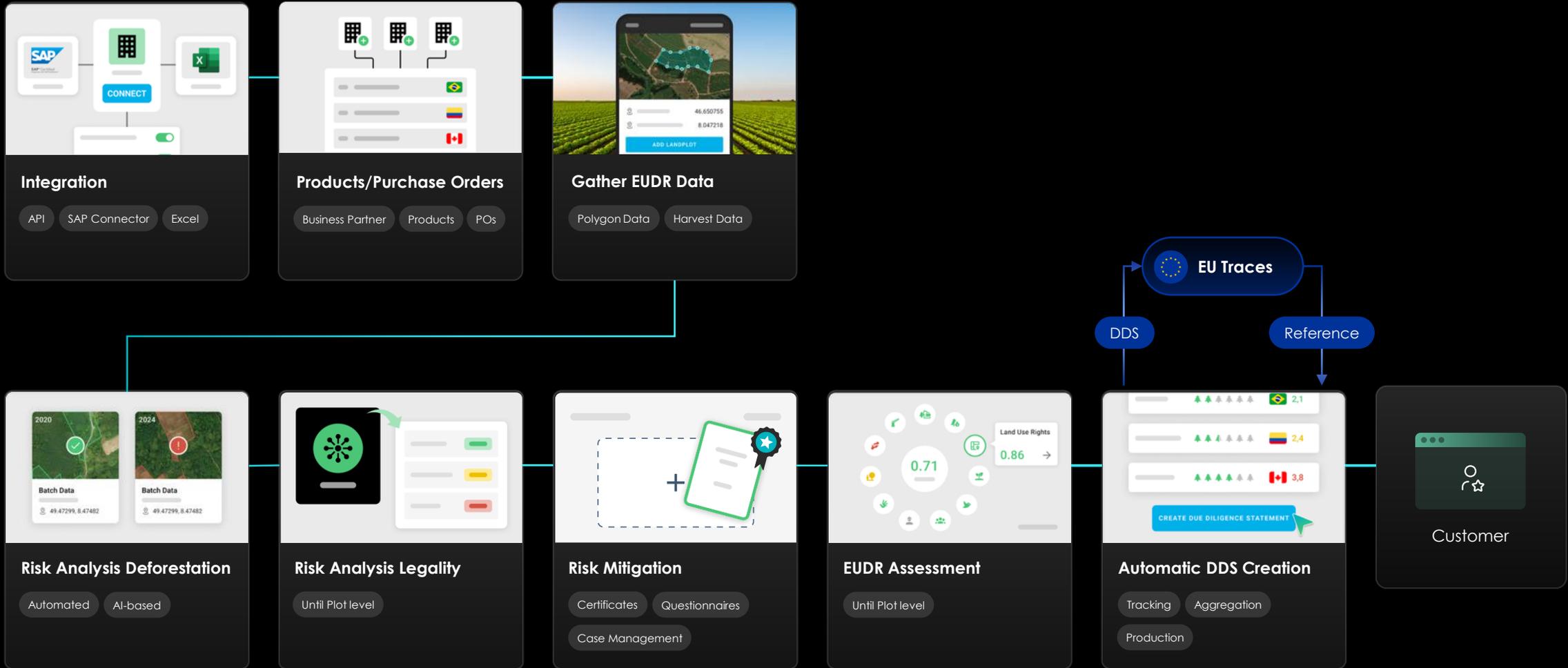


Image: EUDR Framework from Farm to Retail

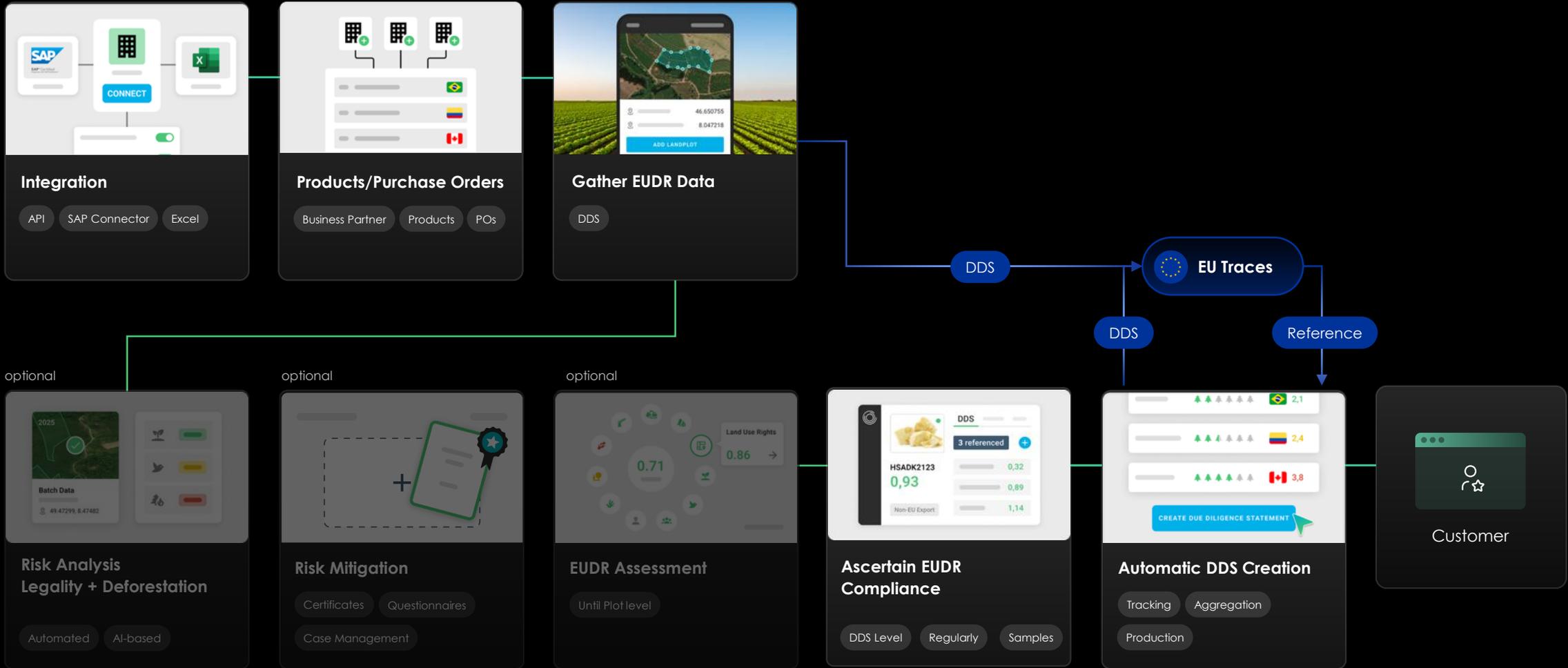


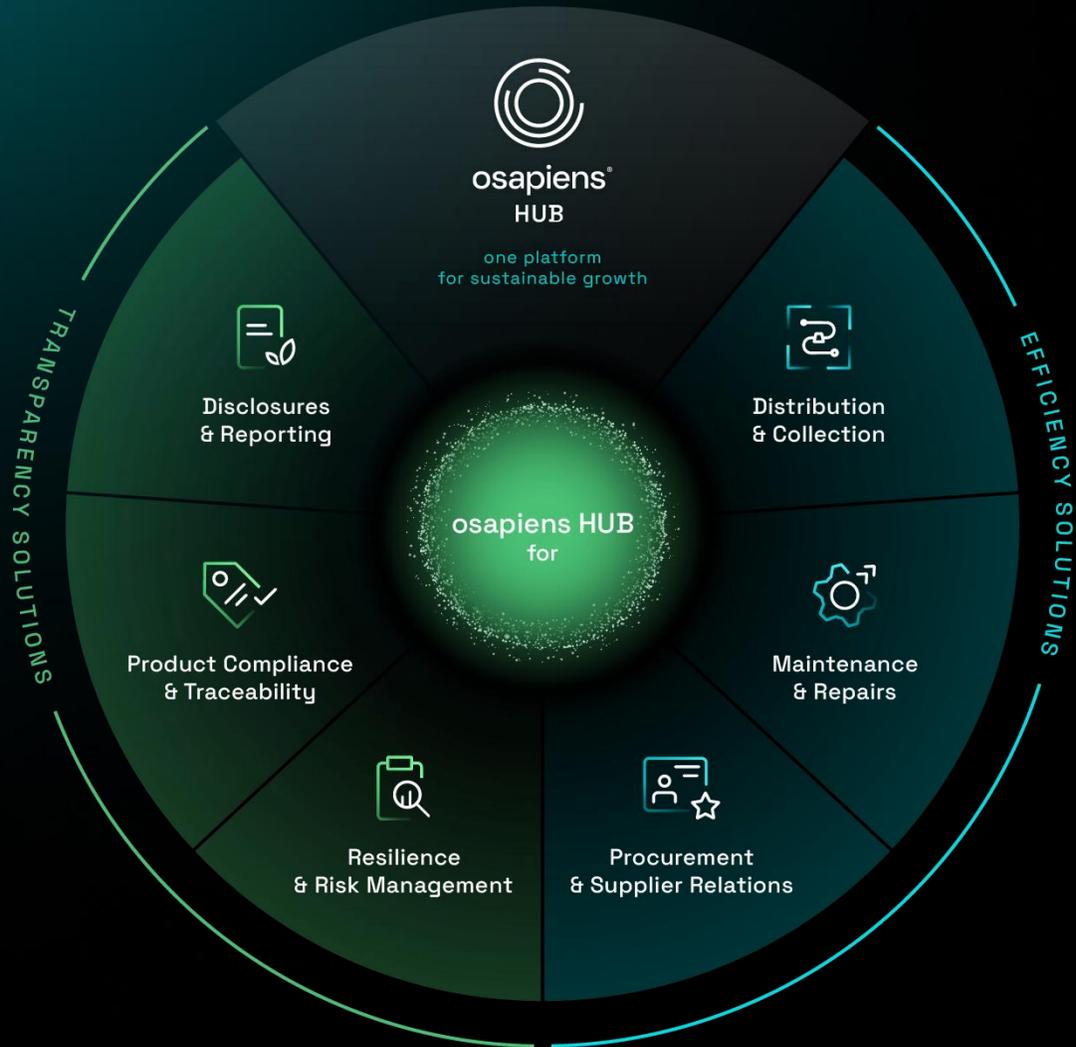
Placing products on the EU market





Referencing existing DDS





osapiens HUB

the ESG Platform to make an impact



Increased Efficiency

through AI-supported and process-controlled automation.



Centralized Data Management

Eliminating Data Silos and Enabling Cross-Application Use.



Built for Every Business

Scalable and flexible – perfect for any company of any size, in any industry.



TRANSPARENCY SOLUTIONS

EFFICIENCY SOLUTIONS

Disclosures & Reporting

osapiens HUB for

Reporting Cockpit

All KPIs related to Sustainable Growth

Disclosure Mgmt.

GRI, SASB, IFRS, CSRD & more

Sustainability Reporting (CSRD)

Double Materiality, XDC, GRI, SASB & more

Corporate Carbon Footprint (CCF)

Scope 1, Scope 2, Scope 3

EU Taxonomy

EU Taxonomy Regulation

Product Compliance & Traceability

osapiens HUB for

Product Compliance

Data Gathering and Supplier Collaboration

EUDR

EU Deforestation Regulation

Digital Product Passport (DPP)

Ecodesign for Sustainable Products Regulation (ESPR)

Product Carbon Footprint (PCF)

Cradle-to-Gate Life Cycle Assessment

Product Safety Regulation

GPSR

Medical Devices

MDR/EUDAMED, FDA, UDI/GUDID, Australia TGA & more

Food Traceability

Track & Trace for Food

TPD

Tobacco Products Directive

Brand Protection

Track & Trace for Anti-Counterfeiting

Resilience & Risk Management

osapiens HUB for

Supplier Risk Mgmt.

Supply Chain Compliance

CSDDD, LkSG, NTA, VSoTr & more

CBAM

Carbon Border Adjustment Mechanism

NIS2

Cybersecurity

Complaint Mgmt.

Whistleblower Protection

Procurement & Supplier Relations

osapiens HUB for

Supplier Relationship Mgmt.

SRM

Audit Mgmt.

Quality & Certifications

Maintenance & Repairs

osapiens HUB for

Plant Maintenance

CMMS

Facility Mgmt.

CAFM

Field Service & Repairs

Distribution & Collection

osapiens HUB for

Last Mile Delivery

LMD

Van Sales & Collection

Why osapiens?

With the osapiens HUB for EUDR, you meet both current and future regulatory requirements – seamlessly integrated into your existing system landscape or as a standalone solution.



Extensive Experience

from 400+ successful EUDR projects.



Quick Start with Plug & Play

using a pre-configured system with standard templates and basic workflows.



Highly Automated

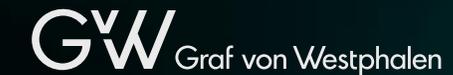
through integration into ERP systems with the out-of-the-box SAP Connector or our REST-API.



Legally Compliant

The EUDR compliance of osapiens HUB for EUDR has been **confirmed by our legal partners.**

LEGAL PARTNERS



Leading in all market segments

Vente au détail et vente en gros

REWE
GROUP

hagebau

MARKS &
SPENCER

METRO

COSTCO
WHOLESALE

dm

markant

OTTO

salling group

LIDL

Kaufland

tegut...
gute Lebensmittel

Biens de consommation

Reiter
SPORT



Jeff de Bruges
NATURELLEMENT CHOCOLAT

GRAND PRIX DE CLASSE
méo
DEPUIS 1928

Dr. Oetker

JACK LINKS

Givaudan®

Tchibo

Melitta®

HARIBO

Disney+

LES CAFÉS
sati

Industrie et fabrication

BAYER

essity

Clairefontaine

BASF
We create chemistry

3M

BRIDGESTONE

DS Smith

Electrolux

RHODIA

EXACOMPTA
PARIS

YOKOHAMA

novo nordisk®

osapiens End-to-End Solution



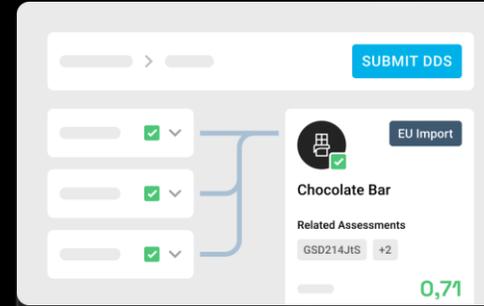
Gathering EUDR Data

- ✓ Supplier Portal & Mobile App
- ✓ osapiens Network Data Exchange
- ✓ Supplier REST-API



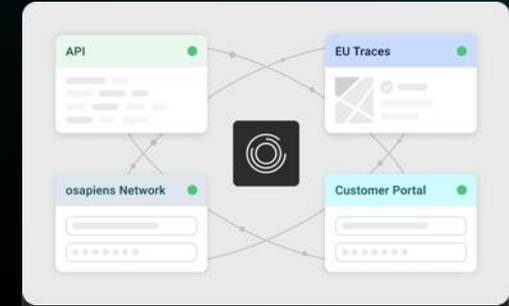
EUDR Risk Analysis

- ✓ Deforestation/Forest Degradation
- ✓ Legality & Supply Chain Risks
- ✓ Automizable Risk Mitigation



Internal Tracking & DDS

- ✓ Automatically submit DDS
- ✓ Aggregate Data for new DDS
- ✓ Integrate with existing ERP



Data Provisioning

- ✓ Customer Portal & API
- ✓ osapiens Network Data Exchange
- ✓ EU TRACES

Automation & Integration Capabilities

Extensive Integration Options

SAP Connector & REST-API

Sophisticated Automation Engine

Minimized Manual Efforts

Escalation Procedures



1st step – get supplier data

No matter if a DDS is available, or geodata needs to be collected.

Supplier Portal & Mobile App

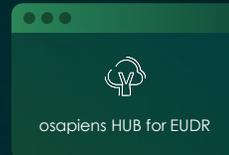
Our free Supplier Portal helps buyers and suppliers communicate and share data.



Supplier Portal & Mobile App

osapiens Network Data Exchange

Automatically synchronize Product Data from suppliers that use an osapiens system.



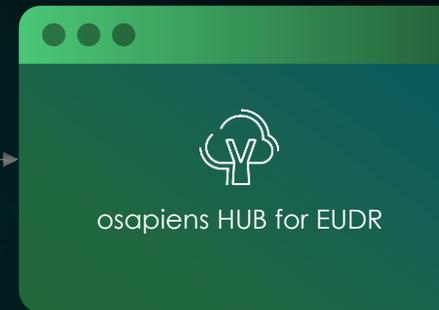
Data Subscription

Supplier - API

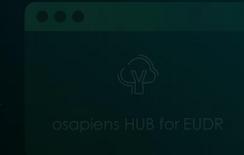
Avoid efforts for your supplier by offering an API to connect their existing systems.



API



Customer Portal



Data Subscription



API

Risk analysis along all EUDR-relevant dimensions

Article 2 (40), Article 3, Article 10 (2)



Integration of proven third-party sources for legality assessments

 <p>Forest Mgmt. & Biodiversity</p> <ul style="list-style-type: none"> • Intact Ecosystems Map  • Environmental Performance Index 	 <p>Third Party Rights</p> <ul style="list-style-type: none"> • Forced Eviction Index  • Concession Map 	 <p>Labor Rights</p> <ul style="list-style-type: none"> • Child Labor Index • Global Slavery Index 	 <p>Human Rights</p> <ul style="list-style-type: none"> • Fragile States Index • Human Rights Ranking
 <p>Rights of Indigenous People</p> <ul style="list-style-type: none"> • Indigenous Land Maps  	 <p>Land Use Rights</p> <ul style="list-style-type: none"> • Concession Rights Map  	 <p>Tax, Anti-Corr., Trade & Customs</p> <ul style="list-style-type: none"> • Corruption Perception Index • Exchange of Info. Transparency 	 <p>Environmental Protection</p> <ul style="list-style-type: none"> • Soil, Water, Air Pollution Indices  • CO2 Emissions

Indicative example indices, for illustrative purposes only

 Available on sub-national / plot level

We support risk assessment on three levels of granularity

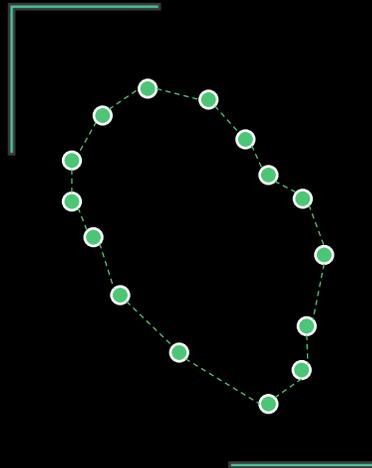
1. National



2. Regional / Sub-National



3. Plot



Article 2 (14) & (40)

'relevant legislation of the country of production'

[...] laws applicable in the country of production concerning the legal status of the **area of production** [...]; means grown, harvested, obtained from or raised on relevant plots of land or, as regards cattle, on establishments;

Risk analysis along all EUDR-relevant dimensions

Article 2 (40), Article 3, Article 10 (2)



Satellites are a powerful tool to measure and detect changes in vegetation at scale

EUDR-relevant

Use-Cases

Vegetation and land cover monitoring
 Continuous change detection

Soil chemistry measurement
 Water stress monitoring
 Precision weather forecasts
 Vegetation height mapping

Technology

Multi-Spectral Imagery
 Synthetic Aperture Radar
 Hyper-Spectral Imagery
 Thermal Infrared
 Radio Occultation
 Space LIDAR



Sentinel-2 (ESA)
 High-spatial and temporal resolution



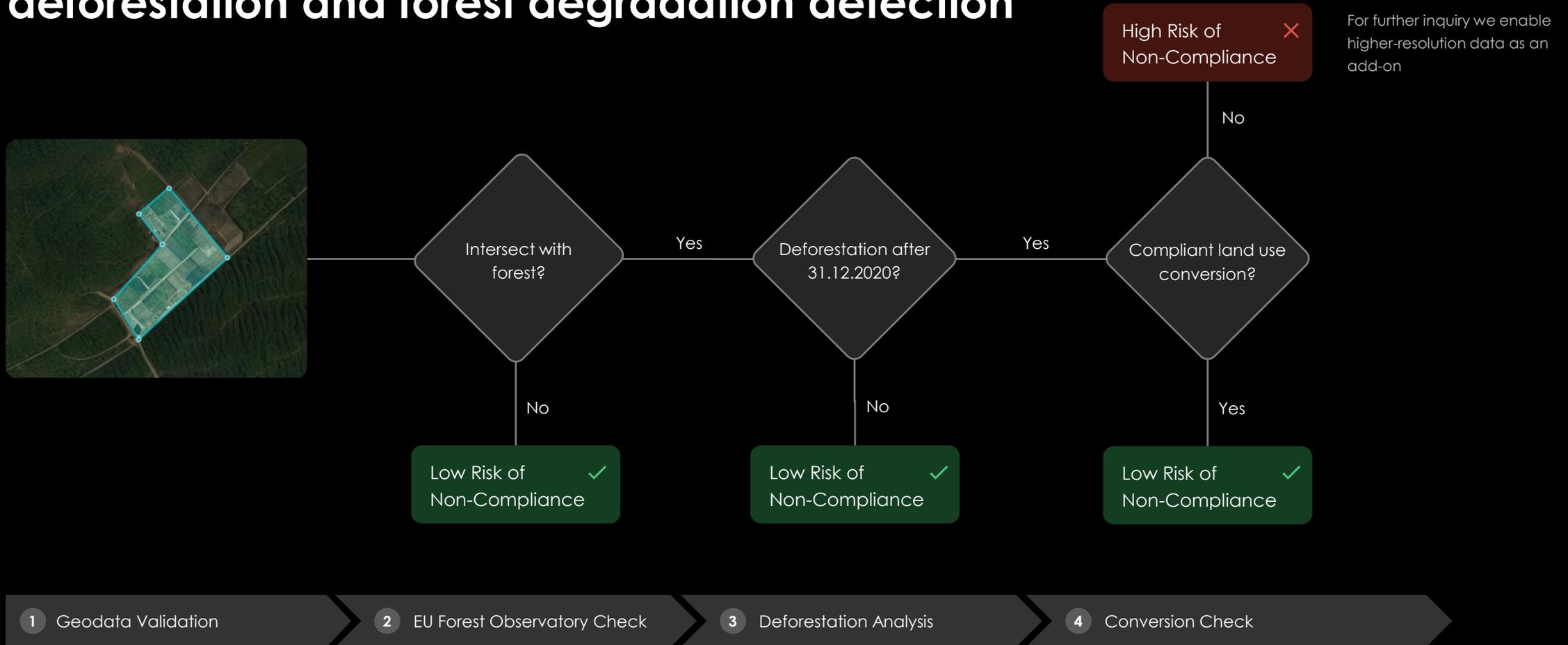
Landsat (NASA)
 40 years of time-series data on land-use



Sentinel-1 (ESA)
 Active radar for cloud-penetrating sensors

We offer commercial high-res data on demand

Our four-step framework for reliable deforestation and forest degradation detection



Internal Traceability

Aggregation based on internal tracking.

Automate DDS creation with data-driven inputs, streamlining product aggregation, sales batch consolidation, and the processing of intermediary goods and stock transfers.

Using Batch Traceability

- ✓ Exactly matching inputs to outputs
- ✓ By DDS, Assessment, Product

Using Pragmatic Approaches

- ✓ Heuristically matching inputs to outputs
- ✓ Automated aggregation

Matching inputs to outputs can be automated via:



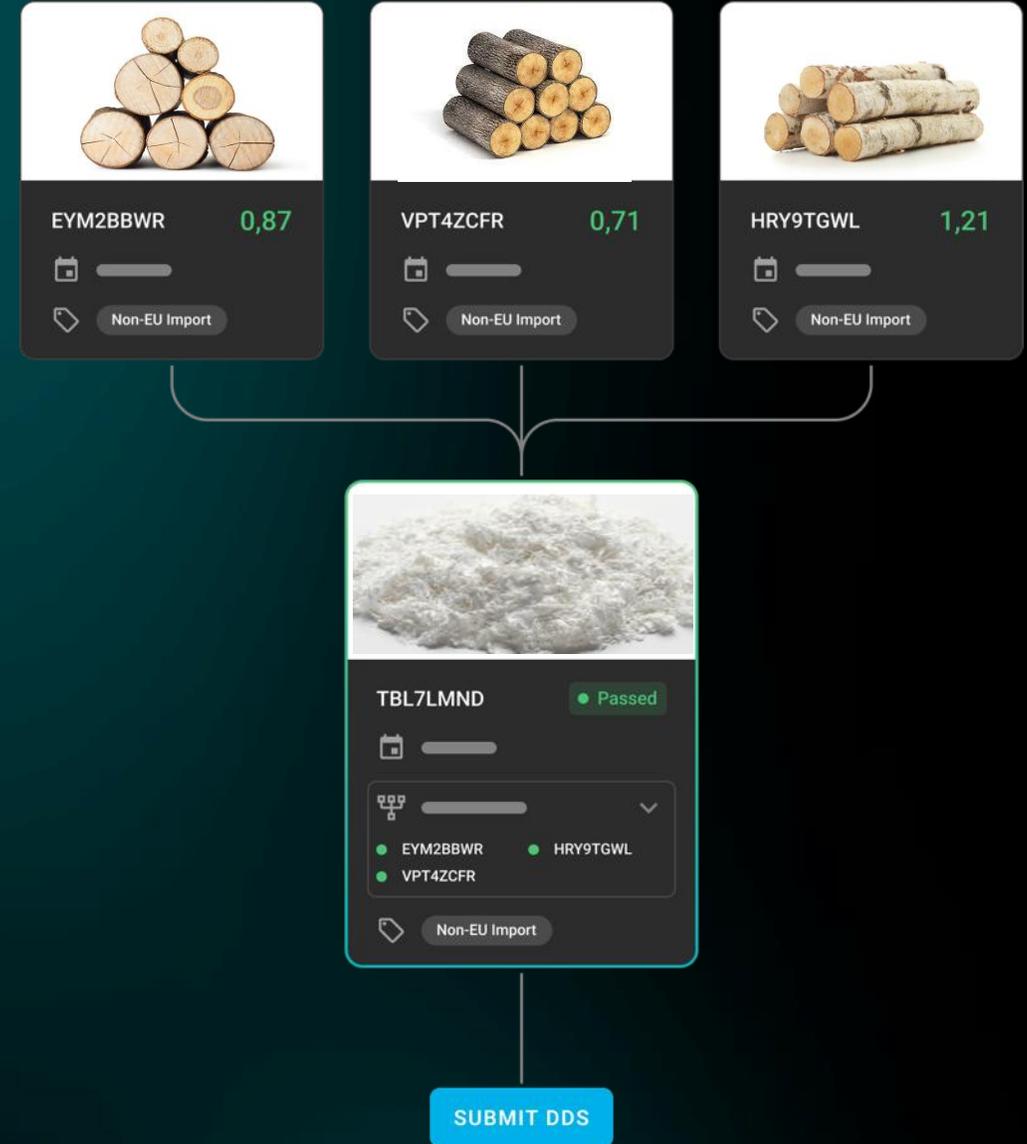
SAP-Connector



REST API



EXCEL



Declaration in Excess

Pragmatic traceability

Automate DDS creation with data-driven inputs, streamlining product aggregation, sales batch consolidation, and the processing of intermediary goods and stock transfers.

- | **Incoming Goods:** Register incoming deliveries with relevant data.
- | **Outgoing Goods:** Assign DDS information to outgoing goods from all relevant deliveries within a **defined timeframe**.
- | Data driven and time efficient **automated** approach.

Matching inputs to outputs can be automated via:



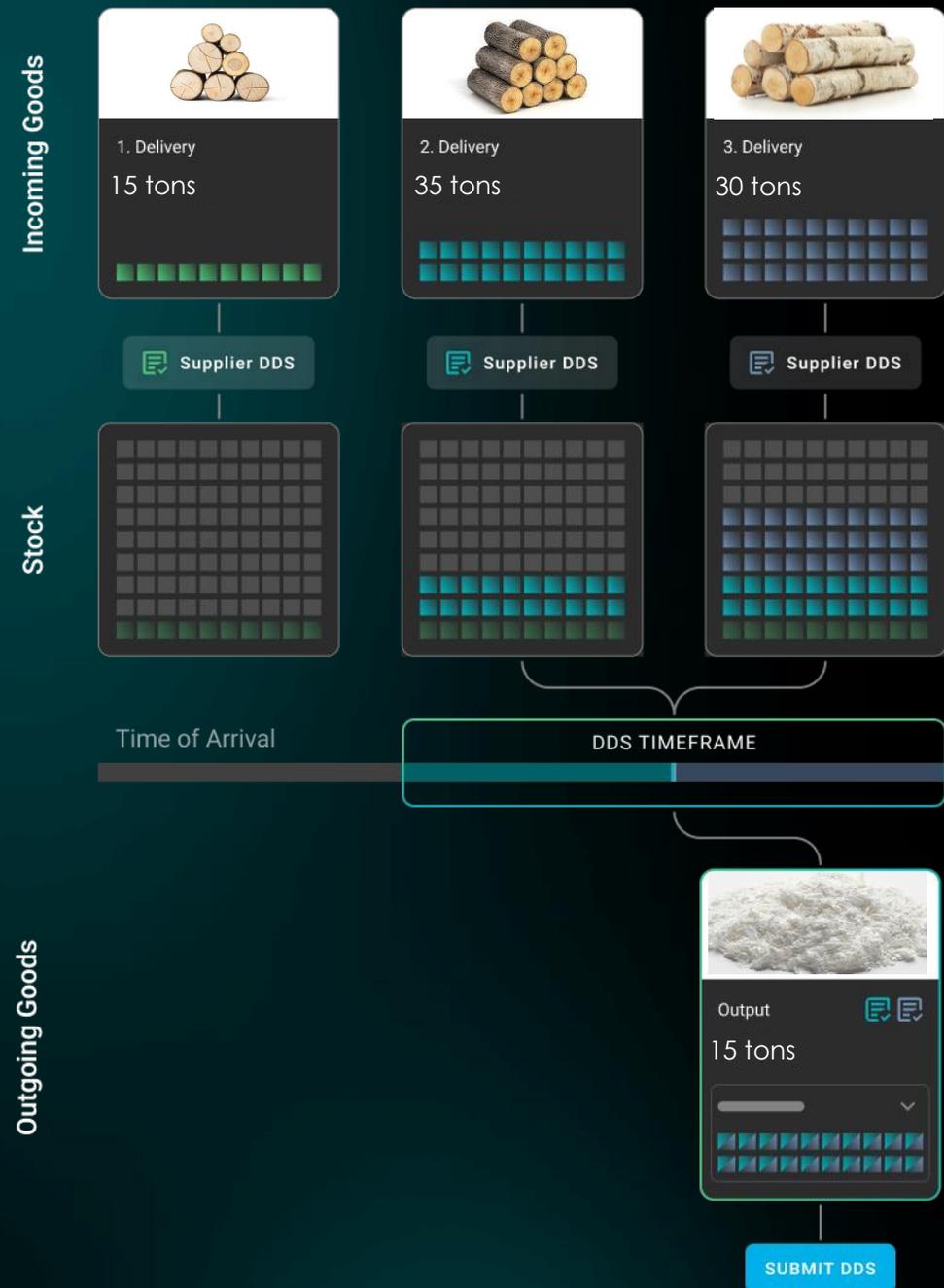
SAP-Connector



REST API



EXCEL



Submit DD Statements

Automatically create new DDS

- ✓ Include data relevant for the DDS

Define assessments to be included in DDS

- ✓ Include Product data
 - ✓ Geolocations, harvest dates, product parameters
 - ✓ Assess correctness of product data

Verify existing DDS

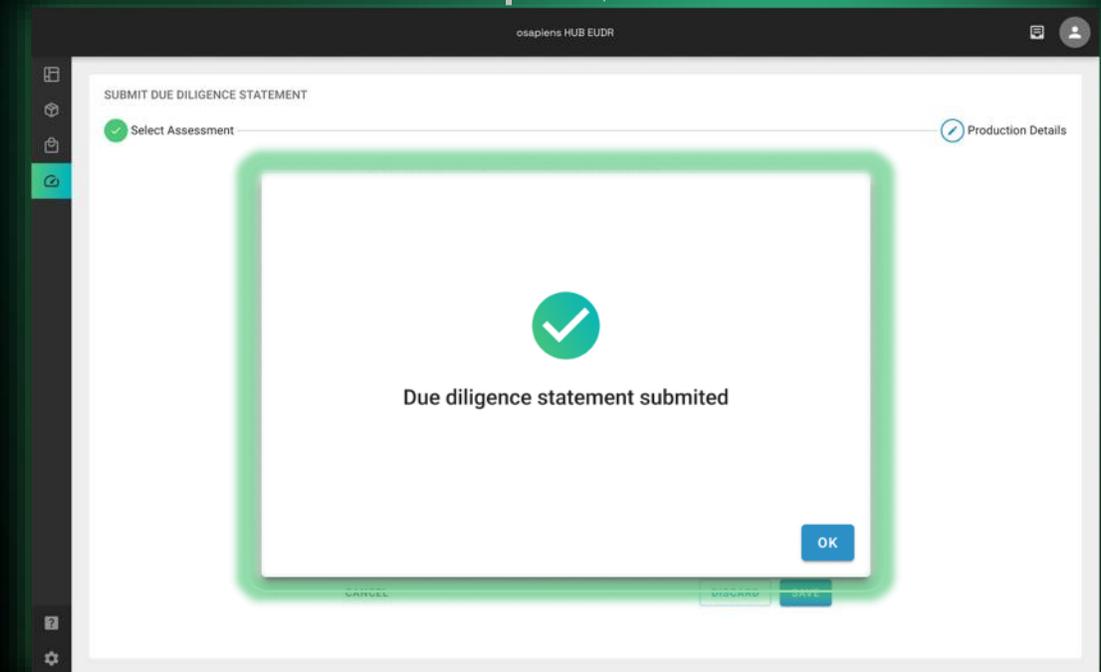
- ✓ Automatically verify upstream DDS with verification numbers

Submission to EU Information System

- ✓ Create file from the consolidated EUDR-data
- ✓ Conveniently submit DDS to EU Information System through API



EU Traces



We integrate all EUDR data handling scenarios

No matter if a DDS is available, or geodata needs to be collected.



Customer Portal

Our free customer Portal helps buyers and suppliers communicate and share data.

osapiens Network Data Exchange

Automatically synchronize Product Data from suppliers that use an osapiens system.

Customer - API

Avoid efforts for your supplier by offering an API to connect their existing systems.



Get Ready

6 Key Factors to Success



Masterdata

Well maintained Masterdata on Products and Supplier level is a key to success.



Processes

Affected Business Processes need to be analyzed, reviewed and described.



Supplier Engagement

Fullfilling EUDR can only be achieved in collaboration with Suppliers. Onboarding needs to be ensured early to ensure high efficiency.



Automation

Automation will be key to handle EUDR requirements but requires an integration to the Existing System Landscape.



Knowledge

Length of Order Cycles e.g. for seasonal articles can be long and might need to be considered even before the regulation enters into force.



Customer Engagement

Reaching agreements with the respective customers is crucial for an automated EUDR process that suits you and your customers best.



Experience from conducted onboardings showed us:

Preparation is Key

The actual IT implementation is a central part of the success but even more important is the preparation of the organization and its relations. A well planned transition will save time, costs and ensures a transition without disruptions.



osa peers[®]

join our network
for sustainable growth

SoS.26

Sustainability osapiens Summit

09 – 10 June 2026 | Mannheim, Germany



Thank you for your time
and attention!

Visit us on <https://osapiens.com/>

or send an E-Mail to info@osapiens.com