Traceability for Sustainability
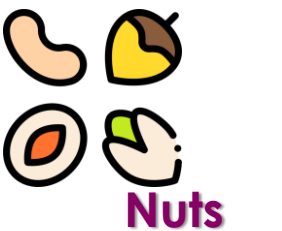
Burcu Turkay

10th April 2024

Traceability for Sustainability

Snapshot of olam food ingredients – known as ofi

Coffee

Cocoa

Nuts

Spices

Diary

Sourcing from
2.75
million farmers*

20,000+
employees

11.9
$US billion in revenue

483,000+
farmers getting sustainability support

~50
countries

15
innovation centers

110+
manufacturing facilities
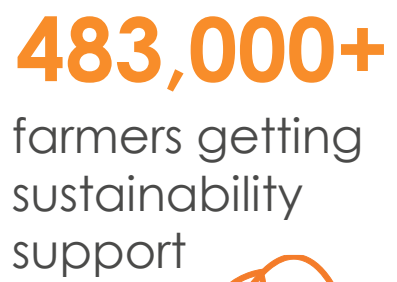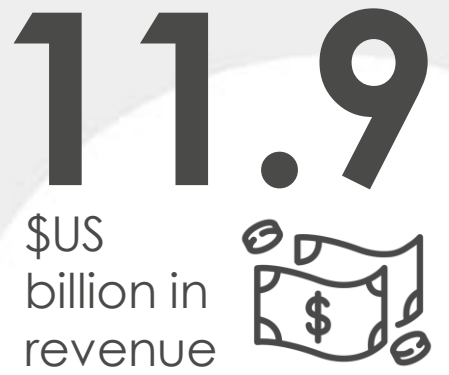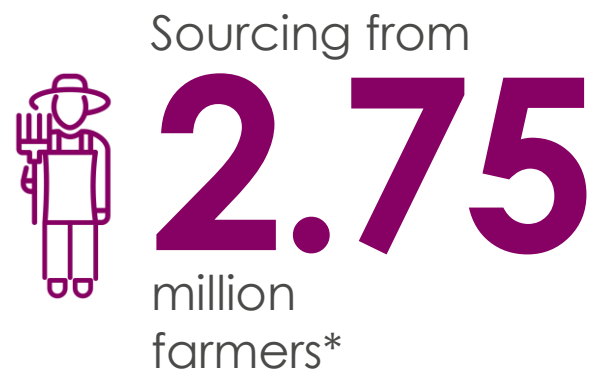
* direct and indirect

3

ofi **Nuts Products & Sourcing Origins**

Hazelnuts

Cashews

Almonds

Pistachios

Walnuts

Innovation Centers: Goole, Palencia, Valencia, Chicago, Willowbrook, Edenton, Fresno, Bangalore, Kochi, Johor, Tangerang, Ho Chi Minh, Singapore, Koog, Ilheus

Legend:
- Innovation Centers
- Sourcing
- Processing
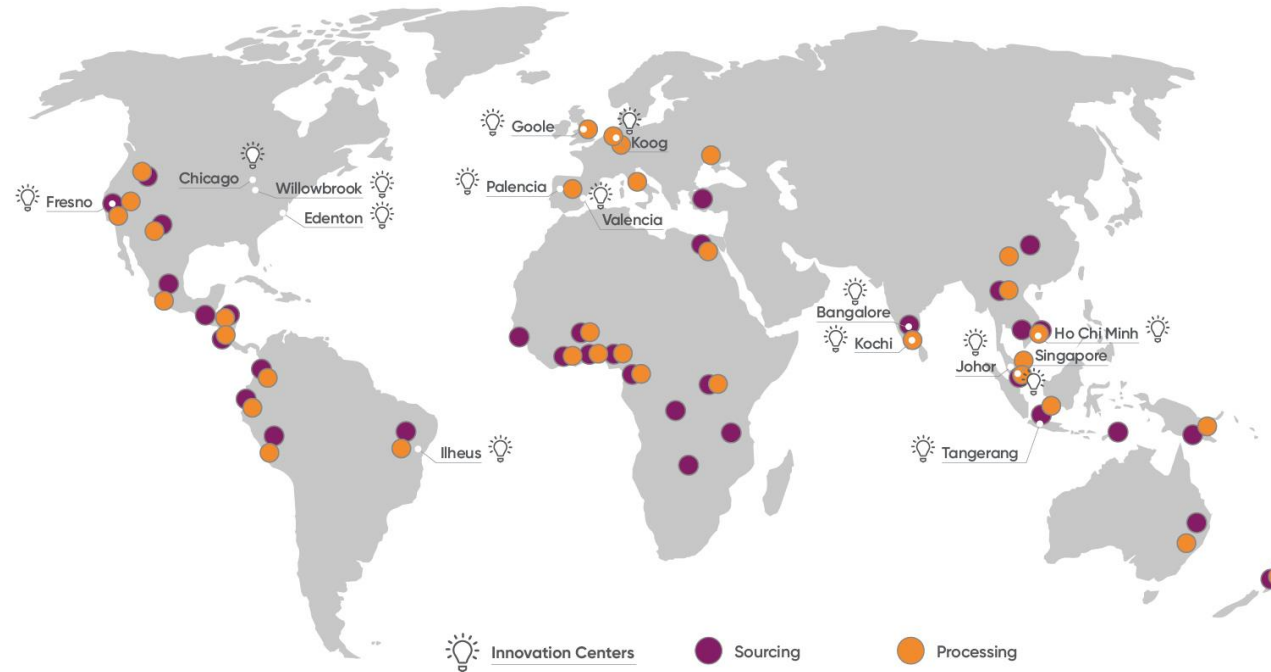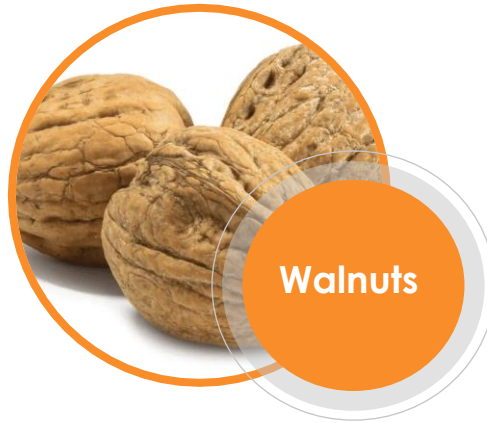
Nuts Sustainability Ambitions

Developing distinct sustainability strategies is essential due to the unique:

✓ Environmental Factors & Climate Conditions,

✓ Social & Economic Considerations, and

✓ Supply Chain Transparency & Governance.

Towards the future By 2030 — Hazelnut Trail

Safe & decent work | Education and skills | Diversity and inclusion | Economic opportunity | Climate action

TOWARDS THE FUTURE — Cashew Trail — BY 2030

Economic Opportunity | Education & Skills | Nutrition & Health | Diversity & Inclusion | Climate Action

2030 targets* Almond Trail

Water | Climate Action | Healthy Ecosystems & Biodiversity | Strong & Thriving Communities

How traceability is integrated into ofi's **business model**

Nuts Trails: ofi Nuts sustainability ambition for Hazelnuts, Cashews and Almonds.

AtSource
- EUDR compliance
- Supply chain **traceability and transparency**
- Metrics-based **data and sustainability insights**

OFIS Farmer Information System
- **Polygon mapping** for **ofi** farms linked to weekly satellite monitoring alert platforms
- Suppliers/farmer groups linked to individual farmers

Geospatial Intelligence
- **ofi** geospatial digital
- Global Forest Watch GFWPro Alerts and other tools
- Others

ofi **policies, systems and on-the-ground presence**
- Agri Supplier Code requiring legal compliance
- Annual risk assessments
- Living Landscapes Policy

- Integrated supplier/vendor systems (SAP, CTRM, CMS) track product volumes
- Registration of suppliers to EU and relevant national Supplier Registries

ofi **Track & Trace**

- EUDR compliance and due diligence statements

- Integrated supply chain **traceability**

Offering **end-to-end traceability** across our supply chains

Traceability

We can offer direct control/chain of custody across the supply chain.

Providing unparalleled visibility AND provenance.

- ✓ Target oriented to drive progress.

- ✓ Digital tools for procurement, with transactions geotagged and timestamped.

- ✓ Transparency across the value chain back to farmer group through AtSource Plus, including 3rd party verification.

Sustainably Sourced Volumes

Substantial volume and wide range of recognized certifiers across cocoa, coffee, nuts and spices.
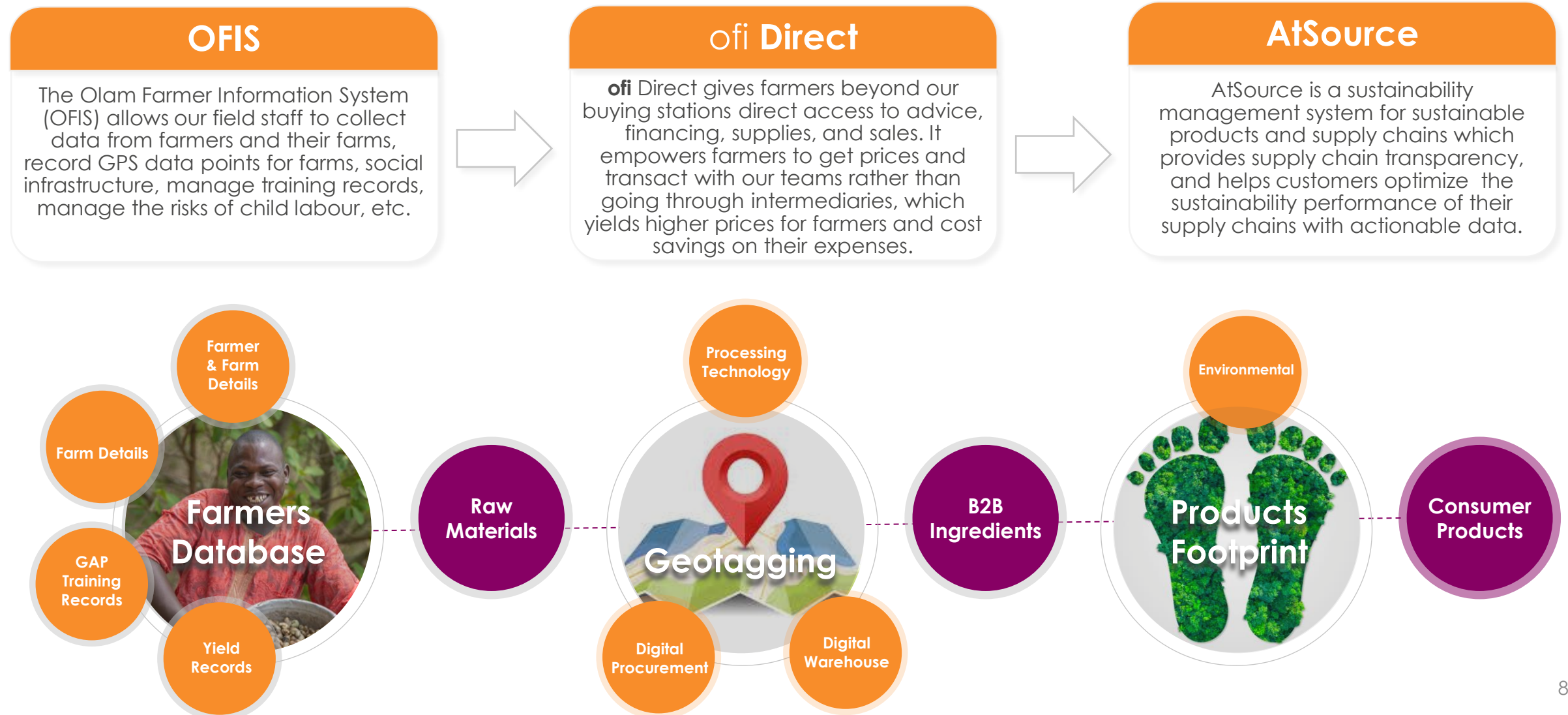

Quality & Food Safety

Strict quality and food safety standards in line with industry norms, across our supply chains.

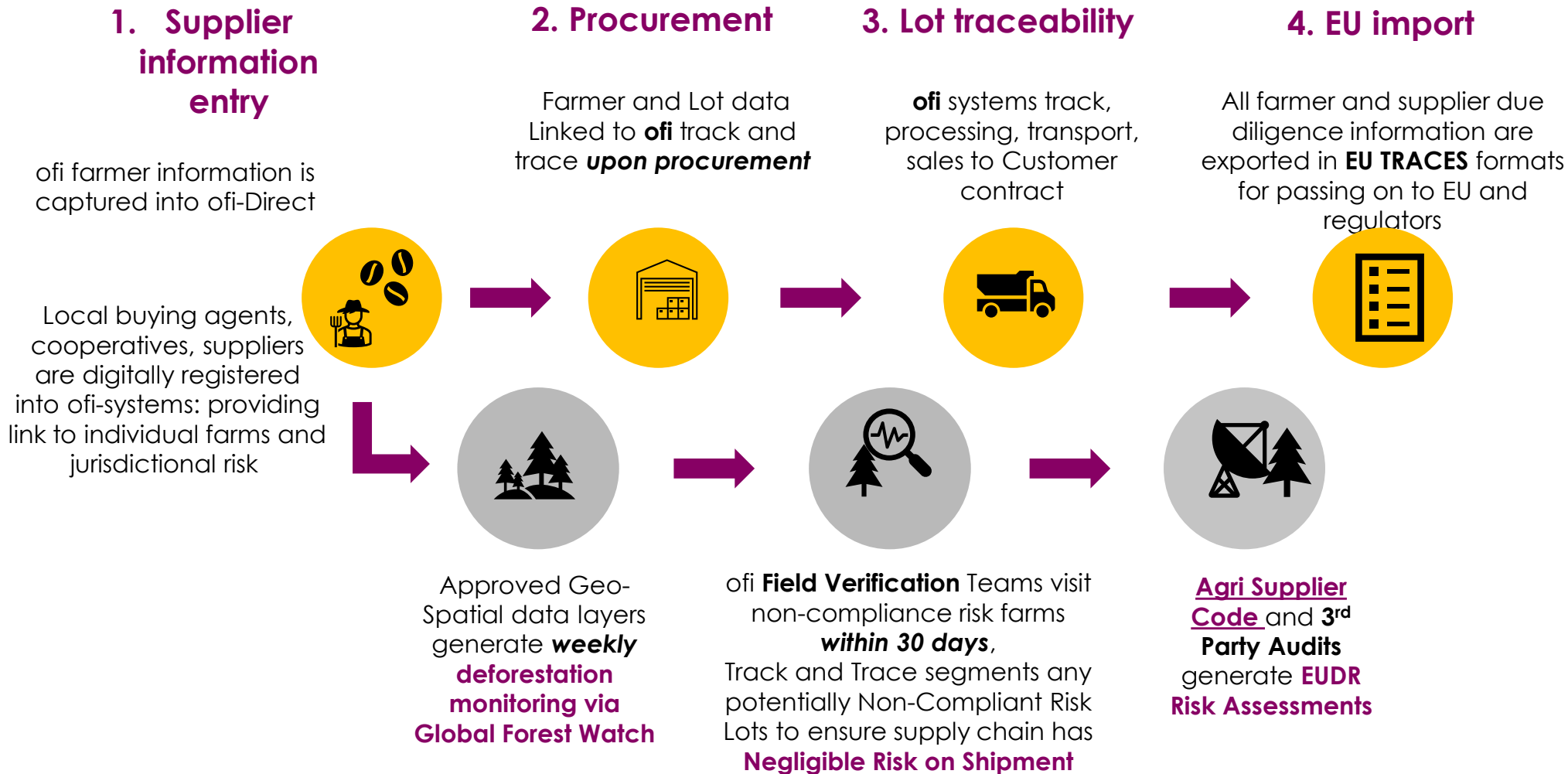Includes pre-harvest procedures and protocols and post harvest care.

How **technology supports** our drive for **Traceability**

OFIS

The Olam Farmer Information System (OFIS) allows our field staff to collect data from farmers and their farms, record GPS data points for farms, social infrastructure, manage training records, manage the risks of child labour, etc.

ofi **Direct**

ofi Direct gives farmers beyond our buying stations direct access to advice, financing, supplies, and sales. It empowers farmers to get prices and transact with our teams rather than going through intermediaries, which yields higher prices for farmers and cost savings on their expenses.

AtSource

AtSource is a sustainability management system for sustainable products and supply chains which provides supply chain transparency, and helps customers optimize the sustainability performance of their supply chains with actionable data.

Farmer & Farm Details

Farm Details

GAP Training Records

Yield Records

Farmers Database

Raw Materials

Processing Technology

Geotagging

Digital Procurement

Digital Warehouse

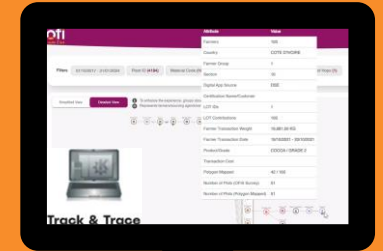B2B Ingredients

Environmental

Products Footprint

Consumer Products

Track and Trace brings our supply chain ERP together with Farm Level Traceability Apps & External Compliance Data

ofi — make it real

1. Supplier information entry

ofi farmer information is captured into ofi-Direct

Local buying agents, cooperatives, suppliers are digitally registered into ofi-systems: providing link to individual farms and jurisdictional risk

2. Procurement

Farmer and Lot data Linked to **ofi** track and trace *upon procurement*

3. Lot traceability

ofi systems track, processing, transport, sales to Customer contract

4. EU import

All farmer and supplier due diligence information are exported in **EU TRACES** formats for passing on to EU and regulators

Approved Geo-Spatial data layers generate *weekly* **deforestation monitoring via Global Forest Watch**

ofi **Field Verification** Teams visit non-compliance risk farms *within 30 days*, Track and Trace segments any potentially Non-Compliant Risk Lots to ensure supply chain has **Negligible Risk on Shipment**

Agri Supplier Code and **3rd Party Audits** generate **EUDR Risk Assessments**

Display on ofi Track and Trace

Unified traceability data then appears on **ofi** Track and Trace

Due Diligence Statement (DDS)

GeoJSON

# How does *ofi* implement advanced risk assessment, farm mapping & traceability?

Supply chain mapping and Traceability to the farm: **ofi** has already mapped close to a million individual smallholder farms using **ofi** digital solutions

ofi's participates in **GFW Gold-Membership (Co Development):** this allows us to automatically analyze every farm in our supply chain with many geospatial / satellite data sets relevant to EUDR Compliance

What exactly is GFW Pro?:

- **Real time 10m radar alert systems, directly integrated into ofi's Data Lake**

- **Weekly API Connection to ofi IT / ERP systems**

- **Catalogue of 34+ Datasets** from NASA, ESA, EFI, Accountability Framework, INPE, Wageningen, UMD, RSPO, World Cocoa Foundation West African Risk, IBAT, Landmark, etc…

- Science Based Target Network's (SBTN) Natural Forest Layer, FAO Compliant Filter of non-agricultural areas

- Indigenous / Community Lands, Protected Areas, and Negligible Risk by Jurisdiction from the Accountability Framework
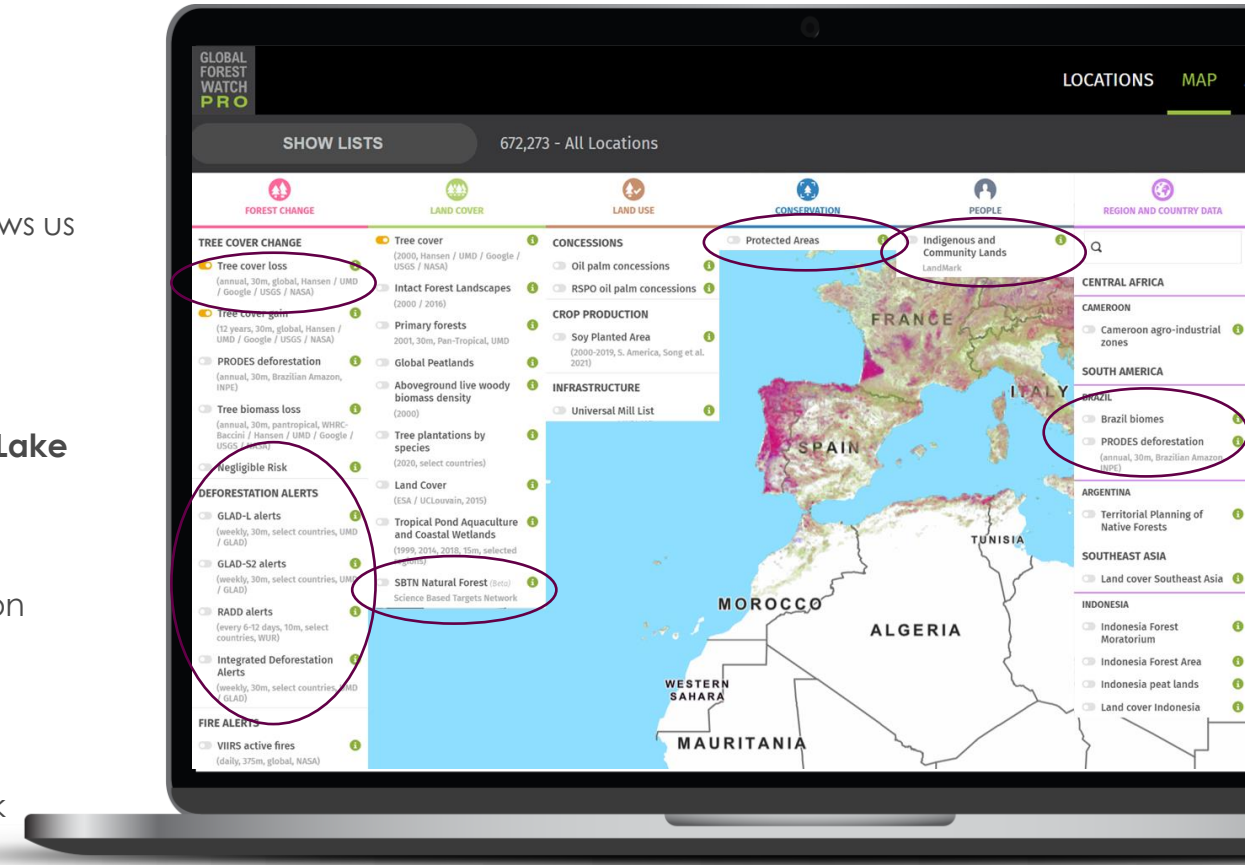
GFW Pro API: Weekly Integrated Alerts, etc… --------------------→ **Ofi Data Lake**

Thank you

www.ofi.com