



## Round Table Meeting

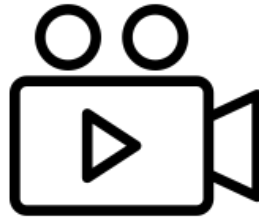
09 July 03:00 – 05:30 pm (CEST)

# Agenda



Time	Session	Speakers
15:00 - 15:05	<b>Welcome and Introduction</b>	<ul style="list-style-type: none"> <li>Leonhard Nima</li> </ul>
15:05 - 15:15	<b>DIASCA</b> - <i>the Big Picture and Key Ingredients of Digital Public Infrastructure (DPI)</i>	<ul style="list-style-type: none"> <li>Lars Kahnert &amp; Pascal Ripplinger, DIASCA/GIZ</li> </ul>
15:15 - 15:25	<b>Speed Dating</b> - <i>Who are you and who else is in the room? Make new friends!</i>	
15:25 - 16:40	<b>Updates: What has been achieved so far? Where are we heading?</b> – followed by Q&As <ul style="list-style-type: none"> <li>Traceability, Governance &amp; Country Prototyping</li> <li>Living Income</li> <li>Forest Monitoring &amp; Geodata</li> </ul> <b>Snapshots</b> <ul style="list-style-type: none"> <li>Structure: Data Model</li> <li>Joining Forces with the Forest Data Partnership</li> <li>Smallholders' Data Governance</li> </ul>	<ul style="list-style-type: none"> <li>Brian King, Alliance Bioversity &amp; CIAT</li> <li>José Enamorado, Beneficio Rio Frío</li> <li>John G. Keogh, McGill University</li> <li>Jessica Mullan, COSA</li> <li>Gyde Feddersen, SAFE/GIZ, Jonas Spekker, FAO</li> <li>Matthew Himmel, COSA</li> <li>Laura Vary, WRI</li> <li>Bogdan Buliga, Preferred by Nature</li> </ul>
16:40 - 17:10	<b>Interactive Breakout Sessions</b> - <i>Bigger Picture &amp; Way Forward</i>	
17:10 - 17:25	<b>Exchange from Breakout Sessions</b>	
17:25 - 17:30	<b>Closing &amp; Next Steps</b>	

# Housekeeping



# Big Picture and DPI Key Ingredients

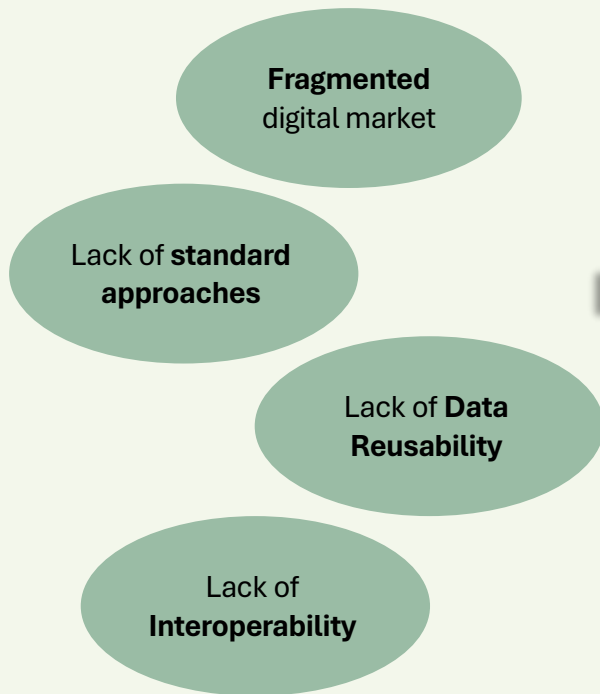
Pascal Ripplinger & Lars Kahnert, DIASCA  
/ SASI / GIZ



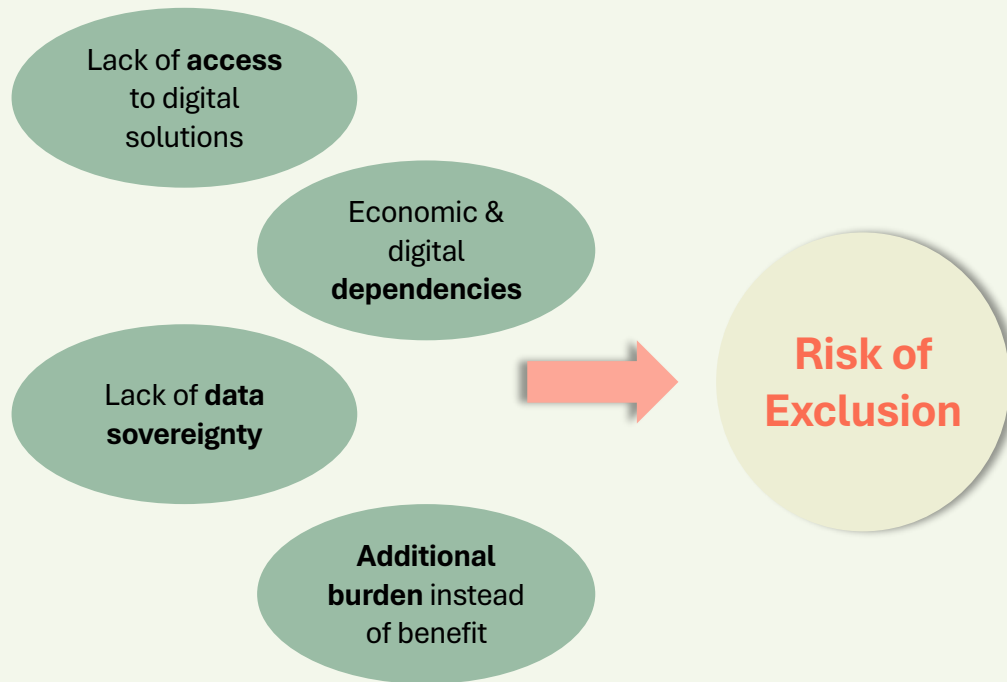


# The digital ecosystem is unfavourable to farmers

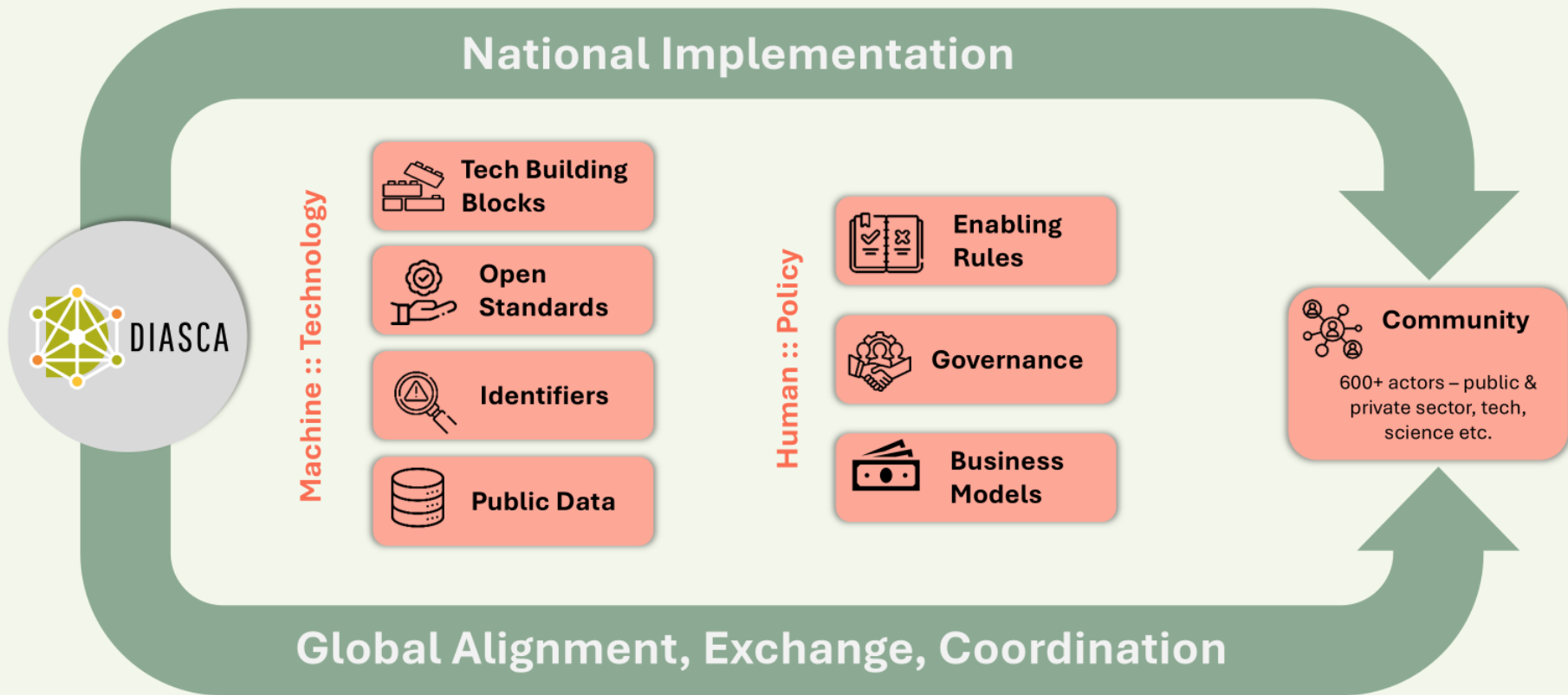
## Digital Ecosystem Status Quo



## For farmers this means...



# Aligning Towards DPI for Agriculture





DIASCA is the neutral, precompetitive, and inclusive multi-stakeholder network to foster DPI implementation in agriculture

## Scope

Sustainability in global agricultural supply chains

## Focus

Smallholder inclusion and benefits

## Approach

Coordination, convening, facilitating cooperation and resources

# Aligning Efforts with Core Partners



...and many more

# Where are we (should we be) heading?

## Topics & Use Cases

Traceability

Living Income

Forest Monitoring

Data Governance

....

EUDR

CSDDD

Carbon

Access to Finance

Child Labour

...

## Geographies & Sectors

Honduras

Kenya

Colombia

Vietnam

Peru

...

Coffee

Cocoa

Palm

Rubber

...

## Partnerships

Governments

Like-Minded Organisation

Topical & Sectoral Initiatives

Donors

...

## Technologies

AI

Interoperability

„Ubuntu4Ag“

...







**Towards a community-  
governed toolbox of  
interoperable open source tech  
building blocks for agriculture?**

# Speed Dating





# Traceability & Governance

**Brian King, Alliance Bioversity & CIAT**

**John G. Koegh, McGill University**

**Jose Dario Enamorado - Beneficio Rio Frio**







## Traceability & Governance Workgroup Co-Chairs



**Brian King** ✓ · 1st

Senior Manager, Technology Integration @ Alliance Bioversity International & CIAT | Digital Agriculture



**John G. Keogh** ✓

Veteran | C level Advisor | Board Member | Management Science Researcher | Prof. of Practice McGill | Advisor: Digital Transformation of Supply Ecosystems | Traceability | Recall | Transparency | Trust | Opportunity

# ≡ La Prensa





# Group mediation toward a “trust framework”



# Integrated open source building blocks:



**Asset Registry (Linux Foundation AgStack)** an open, decentralized service for registering polygons and minting of unique alphanumeric GeolDs, can support a shared services for deduplication of data generated from multiple sources. **(43,000 polygons registered in 40 countries)** <https://github.com/agstack/asset-registry>



**Whisp (FAO).** Whisp—"What is in that plot" —an open service supporting relevant information for forest monitoring and supporting the due diligence process for EUDR. Whisp takes a 'convergence of evidence' approach with multiple sources of public satellite data to analyze what is in a particular plot of land.  
<https://github.com/forestdatapartnership/whisp>



**INATrace (GIZ)** -Open-source chain-of-custody solution developed to ensure that smallholder farmers are not excluded from the market. Used by 40 organizations to improve supply chain traceability. Includes polygon mapping and satellite monitoring to comply with the EU Deforestation **Regulation (40 companies in 3 countries)**.  
<https://github.com/INATrace>

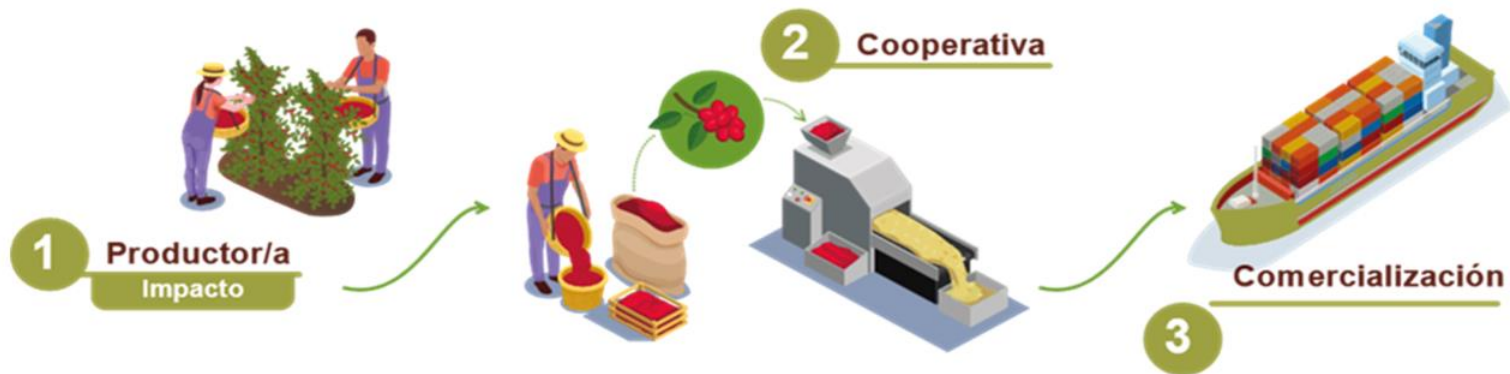


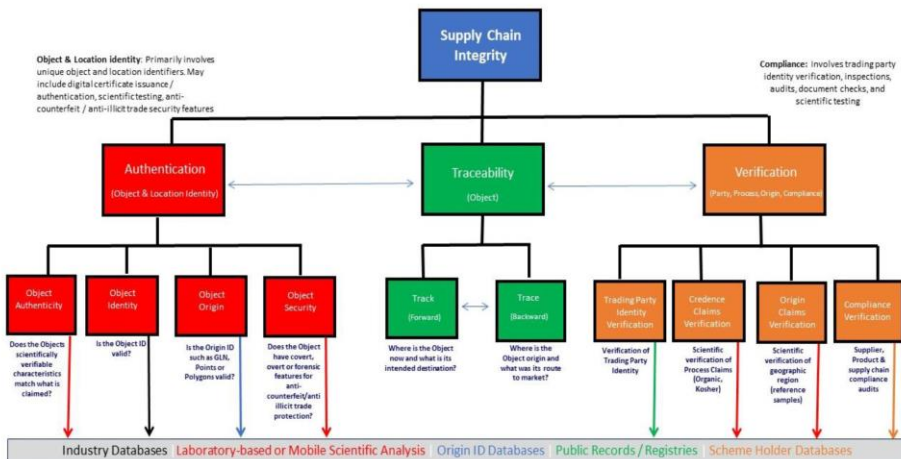
**TerraTrac (TechnoServe)** Facilitates the recording of points and polygons in the field and their verification with a central registry—without an internet connection. Offers a simple interface ideal for rural areas. As an open-source option, it promotes interoperability with other solutions. <https://github.com/agstack/TerraTrac-field-app>



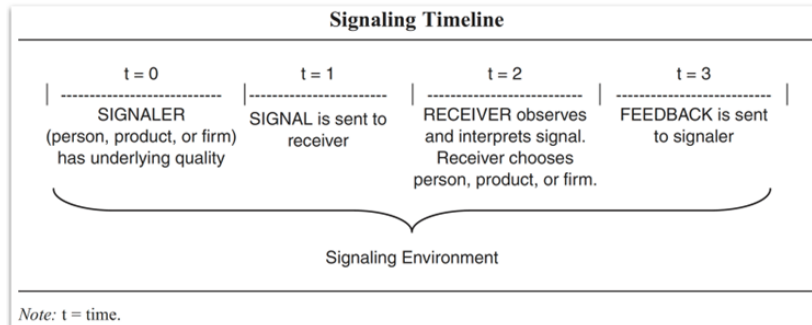
Introducing the alpha version of the TraceFoodChain app and linked near-field communication (NFC) cards to partners at Beneficio Rio Frio, a coffee buyer. NFC cards enable capture of the first transaction, between farmer and buyer.





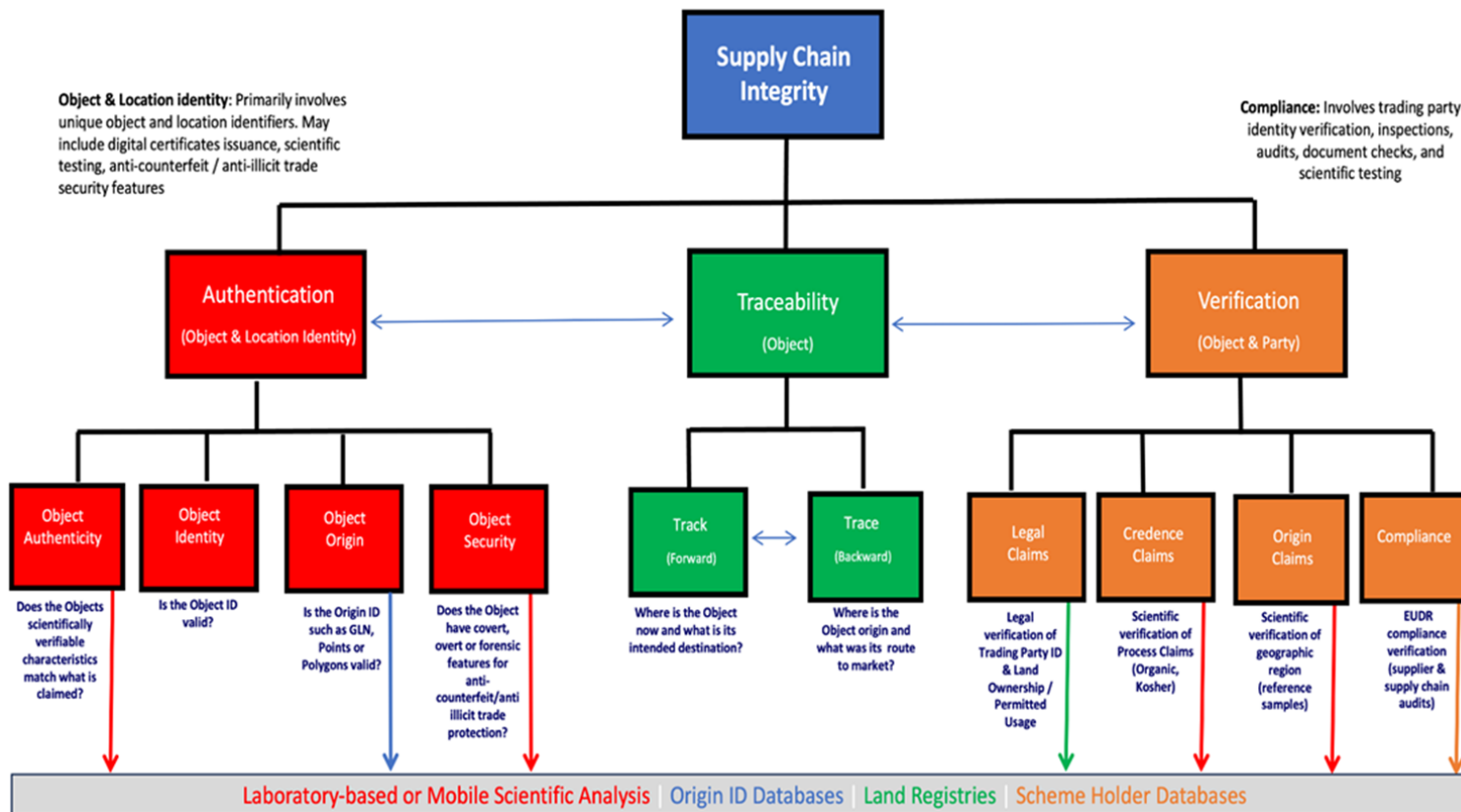


## Supply Chain Integrity



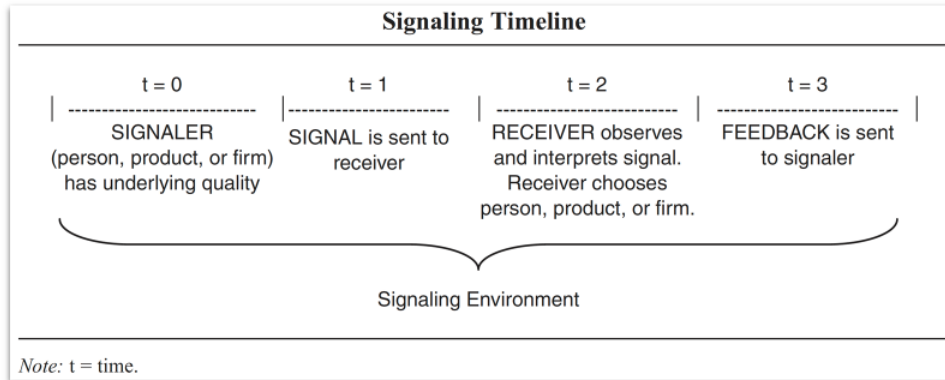
## Signaling and screening





# Signaling Theory

Signaling Theory explains how individuals or firms with more information (the signalers) convey credible signals to less-informed parties (the receivers) to reduce uncertainty.



## Core Idea:

The theory addresses information asymmetry and focuses on how signals (e.g., actions, credentials, warranties) can communicate hidden qualities.

"Signaling theory is fundamentally concerned with reducing information asymmetry between two parties."

— Spence (1973)

"Signaling theory describes behavior when two parties—individuals or organizations—have access to different information."

— Connelly et al. (2011, Journal of Management)

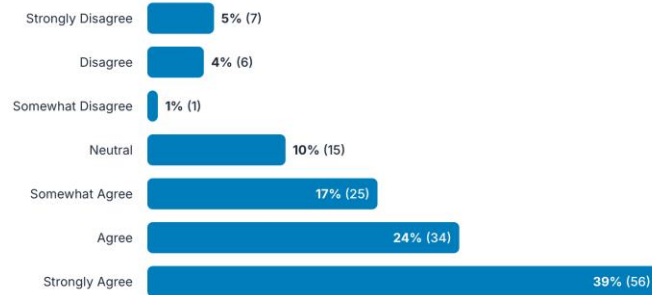
# Theoretical Framework for Mitigating Opportunism in Buyer–Supplier Relationships



## Preliminary Results, Survey on Signaling and Screening

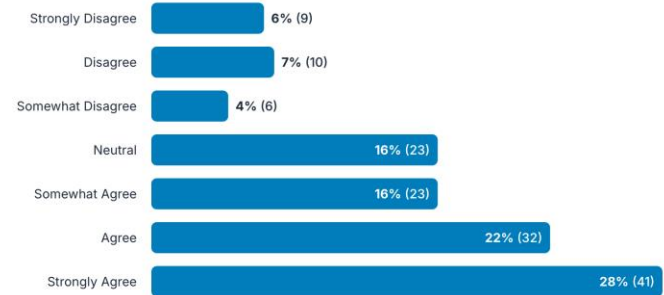
14. We require evidence—such as laboratory results or third-party audits—verifying the geographical origin of ingredients prior to awarding a contract

Responses: 144



21. We require new suppliers to provide verifiable evidence that their sourcing practices do not contribute to illegal deforestation prior to awarding a contract

Responses: 144

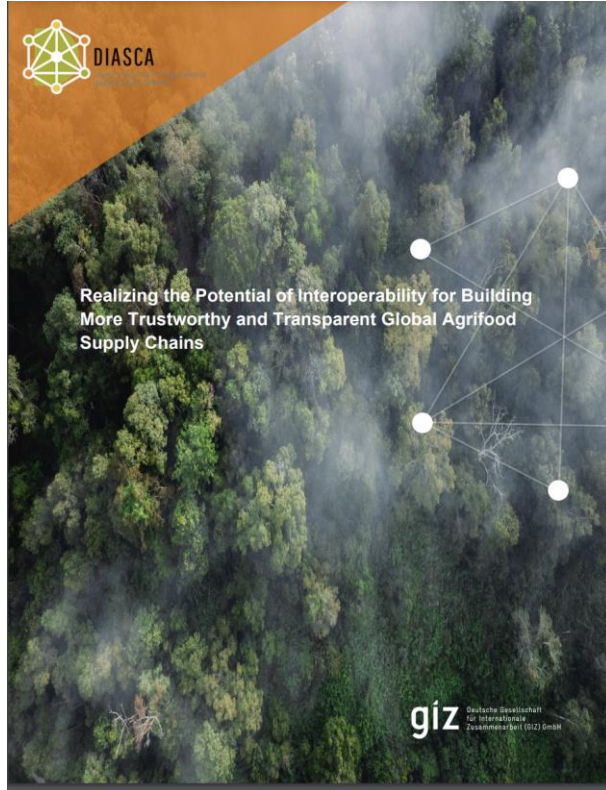


### Survey Link:

<https://app.onlinesurveys.jisc.ac.uk/s/reading/food-industry>



# Traceability & Governance Workgroup: Phase 1 Report





[https://www.youtube.com/watch?v=srJ\\_40C138I](https://www.youtube.com/watch?v=srJ_40C138I)

<https://www.youtube.com/watch?v=Xis1Z4suYrw>

<https://www.youtube.com/watch?v=s1ulEl8Fk-Q>

<https://www.youtube.com/watch?v=D3thLDvlyqs>



## Phase 1 Report



Reconvening the  
DIASCA “Brain  
Trust”

### 1<sup>st</sup> Webinar

Nairobi  
workshop  
Honduras  
prototyping

Semantic &  
Syntactic  
Interoperability  
for Supply  
Chains

### 2<sup>nd</sup> Webinar



EUDR  
Compliance in  
Action –  
Practical  
Traceability  
Scenarios

### 3<sup>rd</sup> Webinar



Precompetitive  
Collaboration  
and Integrity in  
AgriFood Supply  
Chains

### 4<sup>th</sup> Webinar



Digital Agency and  
Privacy Protection  
in AgriFood Supply  
Chains

### 5<sup>th</sup> Webinar

Honduras  
Shipment



Next Steps

# ≡ La Prensa



THANKS

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[JOHN@SHANTALLA.ORG](mailto:JOHN@SHANTALLA.ORG)

## ≡ La Prensa





# Q & A





# Living Income

Jessica Mullan, COSA





# Farmer Income Working Group

Jessica Mullan, COSA



# Why?

1

---

Supply  
security  
& Reputation

2

---

Compliance  
and due  
diligence  
(CS3D)

3

---

Are income  
investments  
working?

4

---

Ensuring  
standardized  
data for  
learning and  
action at scale



# Farmer Income & Cost of Production Indicator and Methods Guidance

Phase 1 & 2: Semantics and Syntax

Prepared by:  
Committee on Sustainability Assessment (COSA)



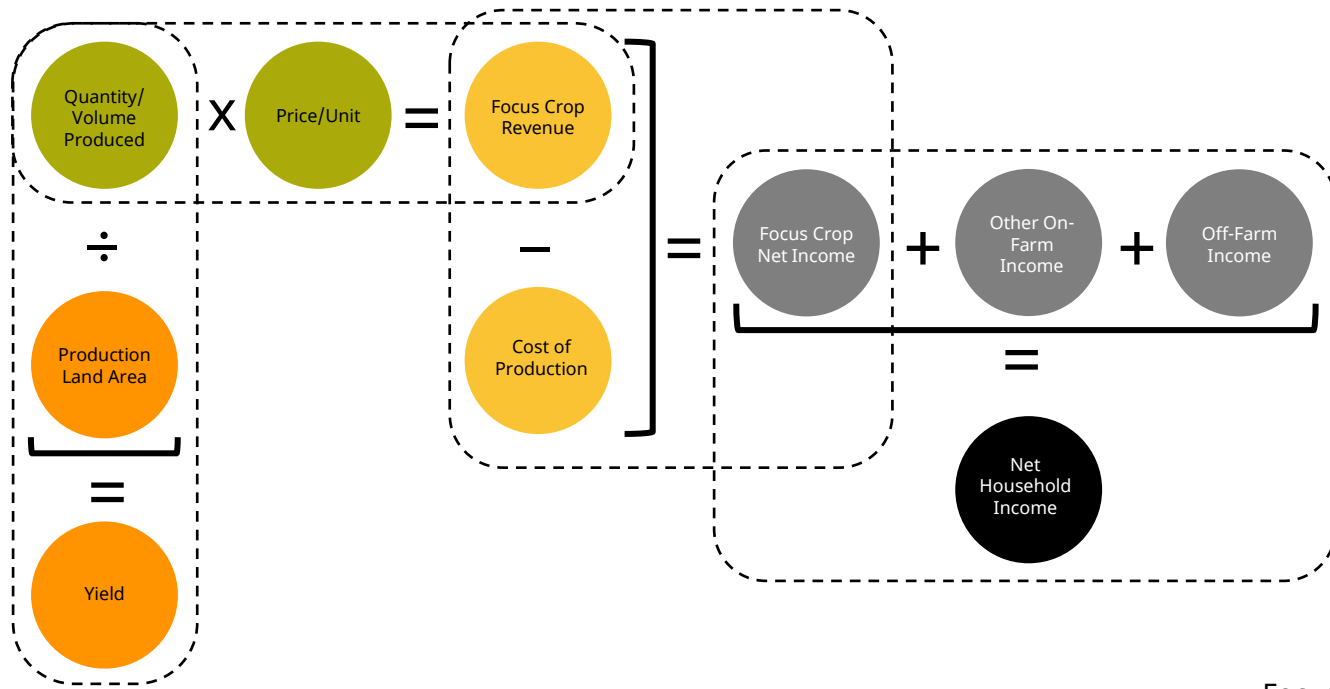
July 2024

## Income Guidance Document





# Updated Farm Income Indicators & Economic Model



## Key

- Yield ●
- Focus Crop Revenue ●
- Focus Crop Net Income ●
- Net Household Income ●

# Example

Focus  
Crop  
Revenue

Indicator Name	Focus Crop Revenue
Description	Gross revenue from all sales of focus crop
Metric	USD/farm earned for all focus crop/product sales (Can be reported by land area or other product specific units for comparability)
Unit	Best practice is to collect response in locally relevant currency and units, and then perform conversion to a standard international unit (USD; USD/land area)
General Guidance	The simple approach (which avoids the additional time and resources necessary for detailed accounting while still providing good results) is to ask for the total revenue from sales of focus crop as a whole during the last production year. This indicator can also be reported on a per hectare basis to allow comparability across projects and regions. More complex approaches will ask for the value of each sale and sum those for the production year. This indicator is a Sub-metric for Net Income from Focus Crop Production (or Profit).
Benchmarking	COSA, SFL, ISEAL Guidance on Reporting Farm Economic Metrics SDG 2- Zero Hunger ISEAL Common Core: Business Resilience- Net revenue over last year from product produced according to standard GCP Common Indicators
Performance Standard	Can be benchmarked to crop and/or regional or national averages
Limitations	When looking at changes in revenues from year to year, it is important to consider the impacts from changes in prices, bonuses, premiums or deductions, quality, or in yields or land area devoted to the focus crop for additional context.
Calculation	[Total Revenue]*(conversion factor to USD)/ farm or ha under focus production) OR Price(s) per unit of focus crop (See "Price" Indicator)* the number of units sold during the last production year.
Data Source	Document which of the following data sources were used: Estimated/ farmer recall Farm records Sales records or purchase records from buyer
Survey Questions	How much money did you receive (in total for the production year) from sales of focus crop? More advanced methodologies will ask for the total amount received per each sale and sum those for the production year.
Validations	Revenue= Specified currency (decimal format) Land area= Number (decimal format) Farmer recall estimates can be triangulated with purchase or sales quantities and/or price data.

# Adding Living Income

## Aligned with Other Living Income Partners



# The Living Income Story



LIVING INCOME  
BENCHMARK

Cost of a basic, decent standard  
of living for a household



FOOD FOR  
MODEL DIET



DECENT  
HOUSING



OTHER ESSENTIAL NEEDS



UNEXPECTED EVENTS

INCOME  
GAP



ACTUAL  
INCOME

Potential  
household  
income

OTHER INCOME

NET OFF FARM  
INCOME

NET FARM  
INCOME



OTHER SOURCES  
OF INCOME



NET OFF-FARM  
INCOME



PRIMARY CASH  
CROP INCOME



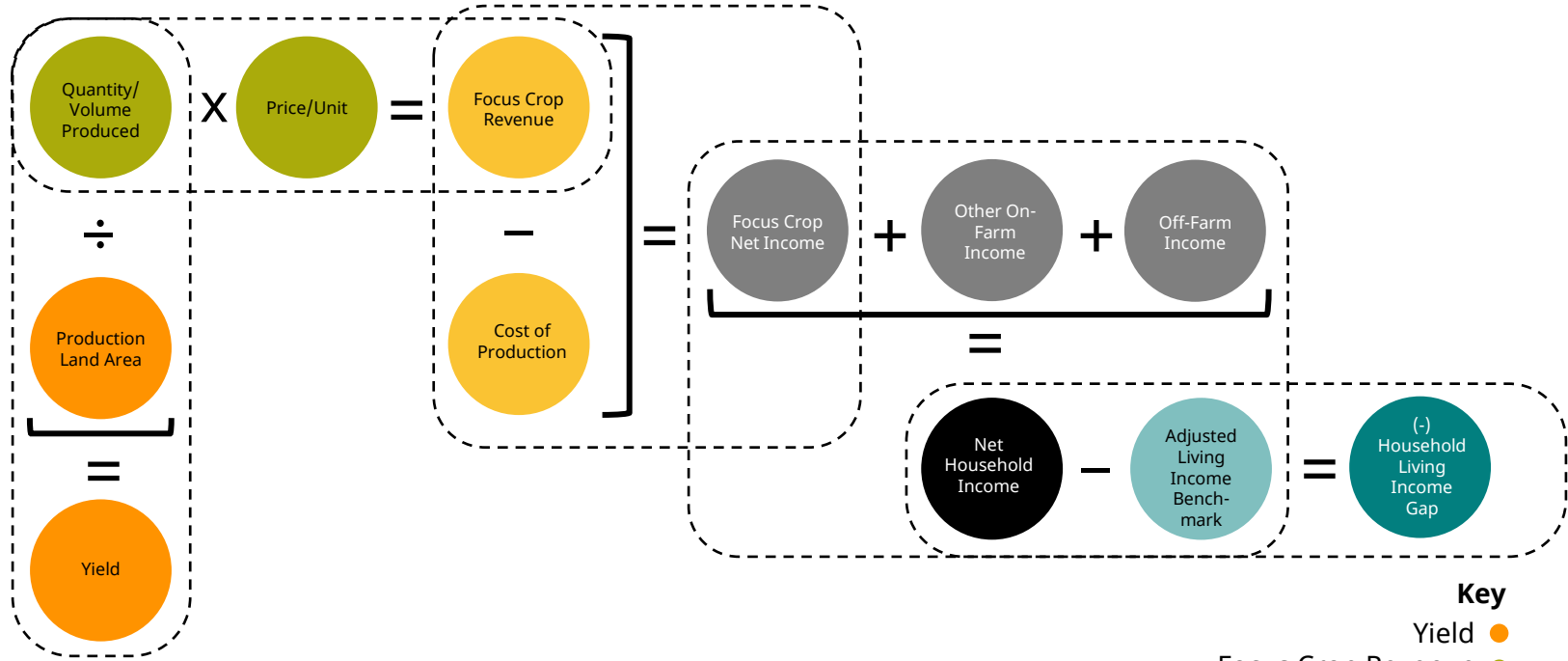
SECONDARY  
CROP INCOME



PRODUCE CONSUMED  
AT HOME



# Updated Farm Income Indicators & Economic Model



## Key

- Yield ●
- Focus Crop Revenue ●
- Focus Crop Net Income ●
- Net Household Income ●
- Living Income Gap ●

## Step 1 Adjustments to Net Household Income Guidance

Net  
Household  
Income

1

Household size  
specifications

2

Further  
instructions on  
valuing amount of  
focus crop  
produced vs. sold

3

Value of  
Self-Consumed  
Crops

4

Simplified Options  
for other On-Farm  
Income

## Step 2 Select & Adjust Living Income Benchmark

Adjusted  
Living  
Income  
Bench-  
mark

Select geographically  
appropriate benchmark

GLOBAL<sup>7</sup>  
LIVING WAGE  
COALITION

ALIGN

ANKER<sup>7</sup>  
RESEARCH  
INSTITUTE

The Living Income  
Community of Practice

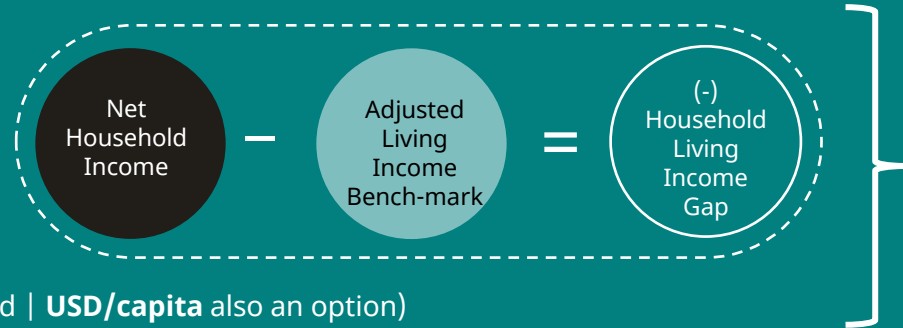
Guidance on why, when and how  
to adjust:

- **Inflation**
- **Household size**

## Step 3 Calculate Living Income Gap

Household  
Living  
Income  
Gap

Living Income Gap compares total household income against a benchmark for a household of a defined size.



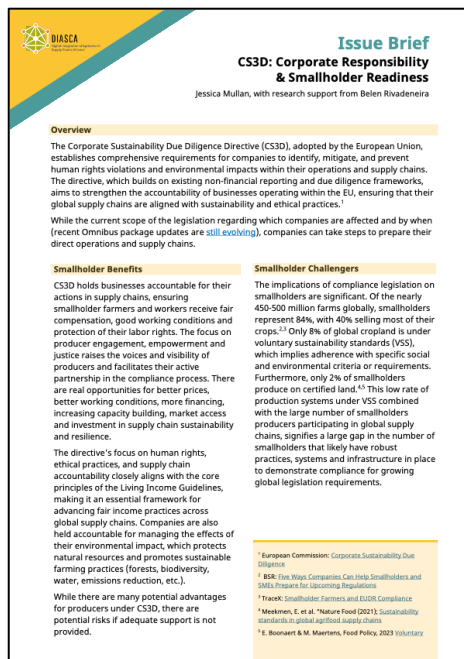
**Unit:** \$ per household | **USD/capita** also an option)

### Aggregate Reporting

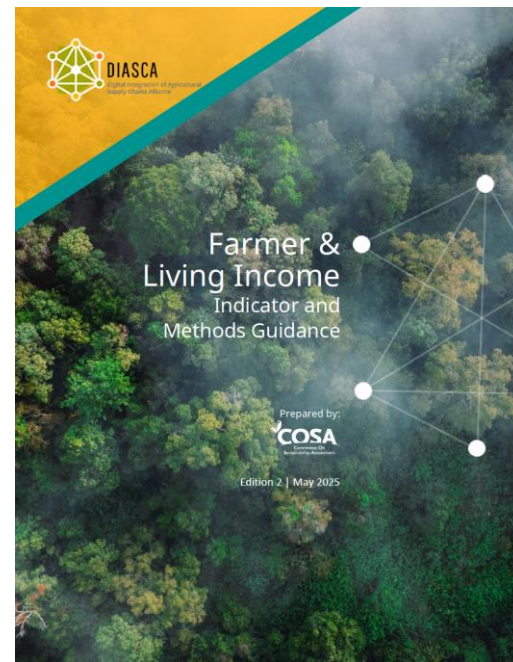
- % of farmer household reaching the benchmark → share of LI benchmark reached by a typical farmer
  - Means vs. medians

# Resulting Deliverables

## CS3D Issue Brief



## Updated Farmer Income Guidance Document with Living Income Guidance (metrics and methods)





# Thank you



# Q & A

SASI







# Forest Monitoring & Geodata

Gyde Feddersen, SAFE/GIZ

Jonas Spekker, FAO



# Digital Public Infrastructure at the Team Europe Initiative for Zero- Deforestation

DIASCA Roundtable  
9<sup>th</sup> July 2025



Co-funded by  
the European Union



Team Europe Initiative  
on Deforestation-free  
Value Chains



DIASCA

Digital Integration of Agricultural  
Supply Chains Alliance



# Background & Objective

- Part of the **Global Gateway Initiative** and the **EU Green Deal**
- EU Commitment to support partner countries in their preparation for **EUDR compliance**
- Promote **engagement** between consuming and producing entities
- Build **inclusive partnerships** to facilitate the trade of deforestation-free products
- Support **inclusive transition** to legal, sustainable, deforestation and conversion-free production and supply chains.





# Digital Public Infrastructure

We work together with FAO, ITC, WRI and the Linux Foundation to create open-access digital tools and standards, to integrate technologies such as field boundary mapping, forest monitoring, and traceability systems.

This integration facilitates compliance with the EUDR, enhances transparency, and promotes sustainability across agricultural supply chains.



# Updates in 2025

- Mainstreaming of DPI concepts and building blocks to align narrative, share knowledge, increase adoption and build partnerships.
- Building digital public infrastructure: interoperable, open-access digital building blocks

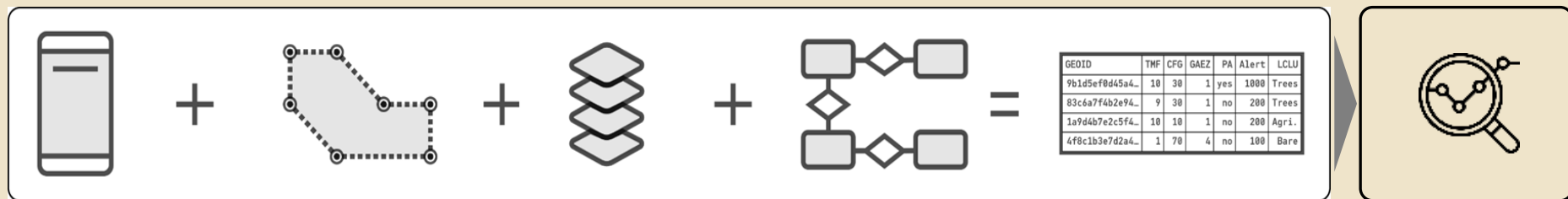


# AIM Commodities

- **Title:** Accelerating Innovative Monitoring For Forests and Commodities
- **Donor:** BMZ – Fund for the Promotion of Innovation in Agriculture (i4Ag)
- **Budget:** 1.4 MUSD
- **Duration:** 18 months (Q4 2024 – Q1 2026)



# Building Blocks towards Digital Public Infrastructure (DPI)



## Boundaries

- Field data
- Manual / AI-based
- Segmentation

## Unique Geo-IDs

- GDSP compliant
- Anonymous
- Attribute-less

## Public geodata

- Land cover (change)
- Biophysical
- Land use

## Public models

- AI models
- Decision trees

## Compliance support

- Standardized data
- Risk assessment at plot level

## Traceability

- interoperable



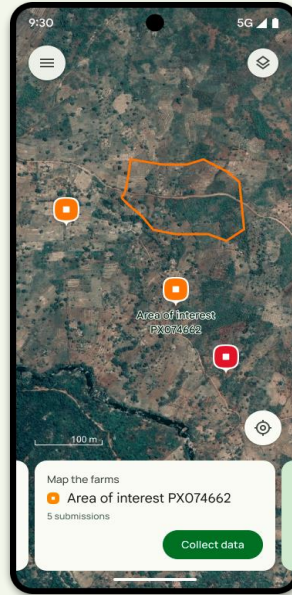


# OpenForis Ground to geolocate farms

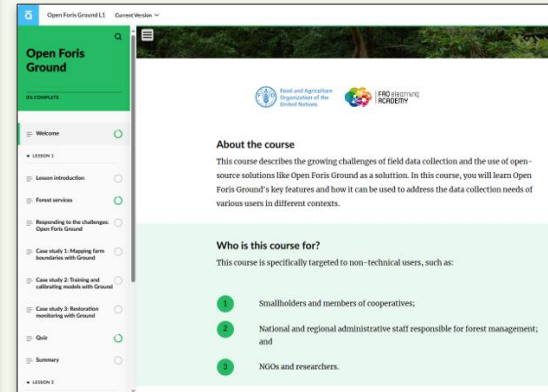


The screenshot shows the 'Map coffee planting plots' section. It includes a 'When adding a new collection site...' form with a 'Draw or walk perimeter' option (required) and a 'Capture location' section (required). Below this is an 'Answer a question' section with a dropdown menu for 'What type of coffee is planted here?' and radio button options for 'Arabica', 'Robusta', 'Other...', and 'Add option'. The interface is clean and user-friendly, with clear instructions and required field indicators.

[ground.openforis.org](https://ground.openforis.org)



[GROUND for Android](#)



GROUND online  
certified course,  
June 2025



Training  
in Kenya, 2025

[DIASCA Forest Monitoring Webinar on OpenForis Ground](#)



# Large data collection campaign



- Aug 2024: Initial training and field testing
- Sept-Dec 2024: Large scale collection
- Mid 2025: ~20,000 anonymized, cleaned cocoa land cover polygons

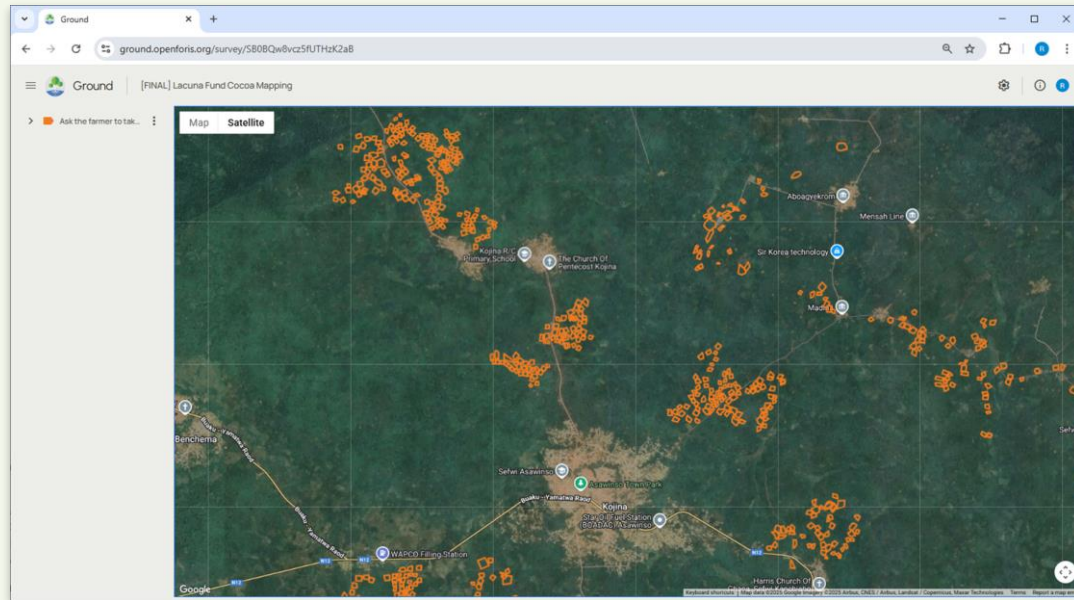
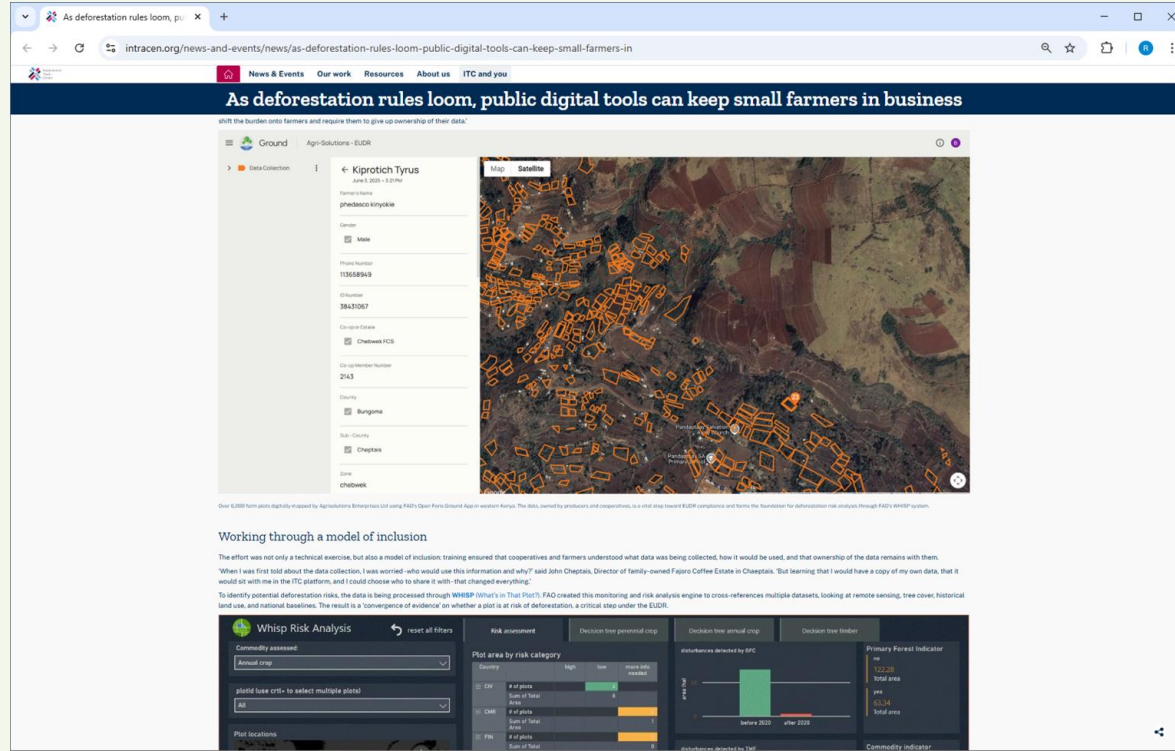


Image credit: SERVIR / CERSGIS

# Adoption by key partners



# Update on OpenForis Ground



## What's new since the last DIASCA Roundtable?

- Video tutorials:
  - English playlist: <https://www.youtube.com/playlist?list=PLVgDaw1NnOSCT6iscm9ZL-IOlpbGE2onz>
  - French playlist: <https://www.youtube.com/playlist?list=PLVgDaw1NnOSC75ctSUnxHJqJ75BGEje6c>
- Automatic Whisp scan of newly collected geodata
- French, Spanish, Portuguese, and Vietnamese interface for Android app
- Increased stability & improved user experience



# Global probability models - training data contributions



Forest Data Partnership | Earth Engine

developers.google.com/earth-engine/datasets/publisher/forestdatapartnership

## Earth Engine Data Catalog

Home Categories All datasets All tags Landsat MODIS Sentinel Publisher Community API Docs

### Forest Data Partnership

The Forest Data Partnership strengthens collaboration and application around global monitoring of commodity-driven deforestation, forest degradation and restoration efforts across the globe.

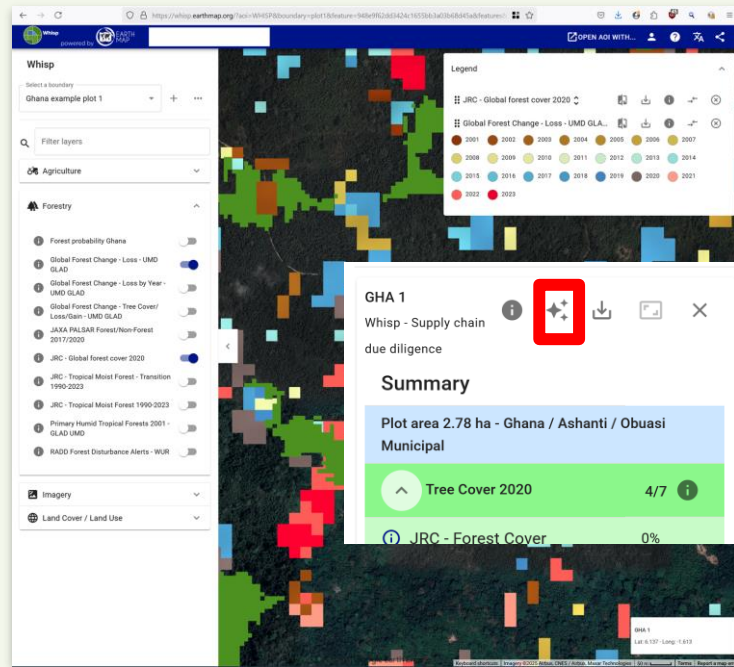
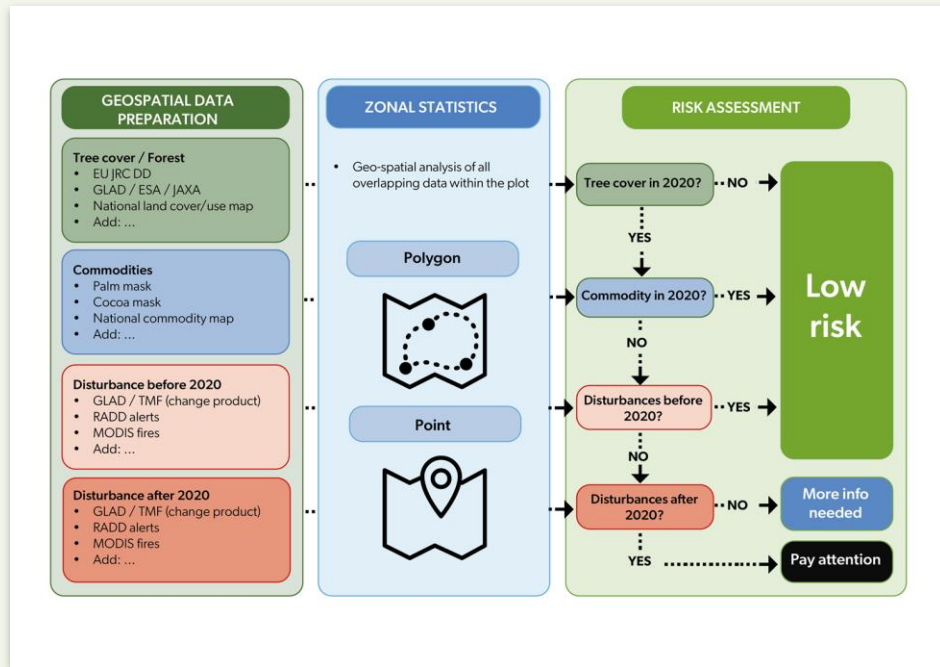
**FOREST DATA Partnership**

Filter list of datasets

Cocoa Probability model 2025a	Coffee Probability model 2025a	Forest Persistence v0	Palm Probability model 2025a	Rubber Tree Probability model 2025a
Note: This dataset is not yet peer-reviewed. Please see this GitHub README for more information. This image collection provides estimated per-pixel probability that the underlying area is occupied by the commodity. The probability estimates are	Note: This dataset is not yet peer-reviewed. Please see this GitHub README for more information. This image collection provides estimated per-pixel probability that the underlying area is occupied by the commodity. The probability estimates are	Note: This dataset is not yet peer-reviewed. Please see the GitHub README associated with this model for more information. This image provides a per-pixel score (in [0, 1]) that indicates whether the pixel area is occupied by undisturbed forest in year	Note: This dataset is not yet peer-reviewed. Please see this GitHub README for more information. This image collection provides estimated per-pixel probability that the underlying area is occupied by the commodity. The probability estimates are	Note: This dataset is not yet peer-reviewed. Please see this GitHub README for more information. This image collection provides estimated per-pixel probability that the underlying area is occupied by the commodity. The probability estimates are

<https://developers.google.com/earth-engine/datasets/publisher/forestdatapartnership>

# WHISP risk analysis at plot level



<https://github.com/forestdatapartnership/whisp>

[whisp.earthmap.org](https://whisp.earthmap.org)

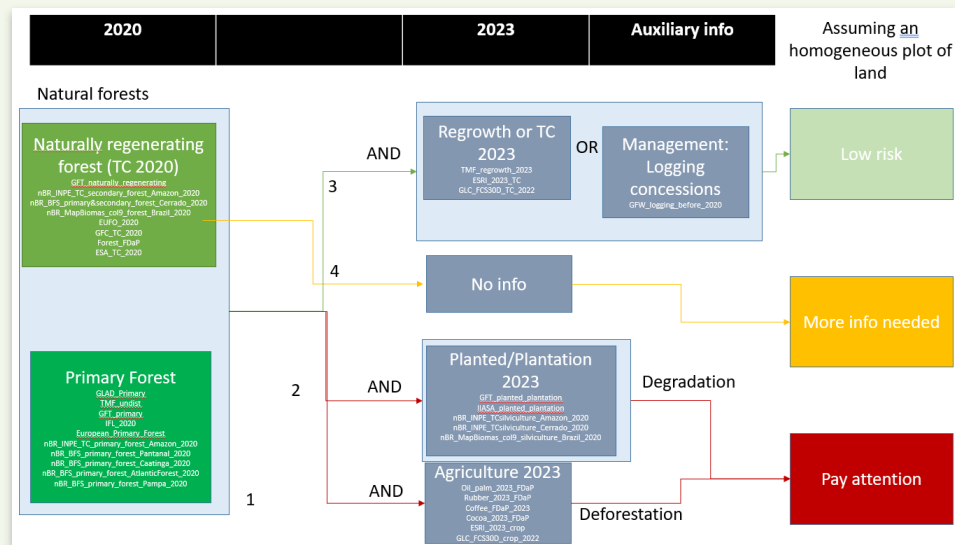


# Update on Whisp

## What's new since the last DIASCA

### Roundtable?

- Layer updates (both existing & new layers)
- New decision trees:
  - Besides perennial crops (coffee, cocoa, palm oil, rubber, etc...), now also
  - Annual crops (soy, etc...)
  - Timber



# Update on Whisp



## What's new since the last DIASCA Roundtable?

- Whisp API now requires login and API key (for increased security and usage statistics)
- (For the moment, web browser version can still be used without)

→ [whisp.openforis.org](https://whisp.openforis.org)

Please see [update notice](#) for important changes to the API.

### Welcome to Whisp

Welcome to Whisp, a geospatial analysis tool designed to support zero-deforestation regulation claims. Upload your geometries in WKT or GeoJSON format here to receive a plot- or point-based analysis from our API, calculated from carefully selected [global and regional map datasets](#) processed via Google Earth Engine.

**Need an API key?**

[Login](#) [Register](#)

### Submit Geometry

Drag or click to upload a file  
Only .txt, .json and .geojson files are accepted.

[Example](#)

[Terms of Service](#) [Clear](#) [Analyze](#)

# Update on Whisp

## What's new since the last DIASCA Roundtable?

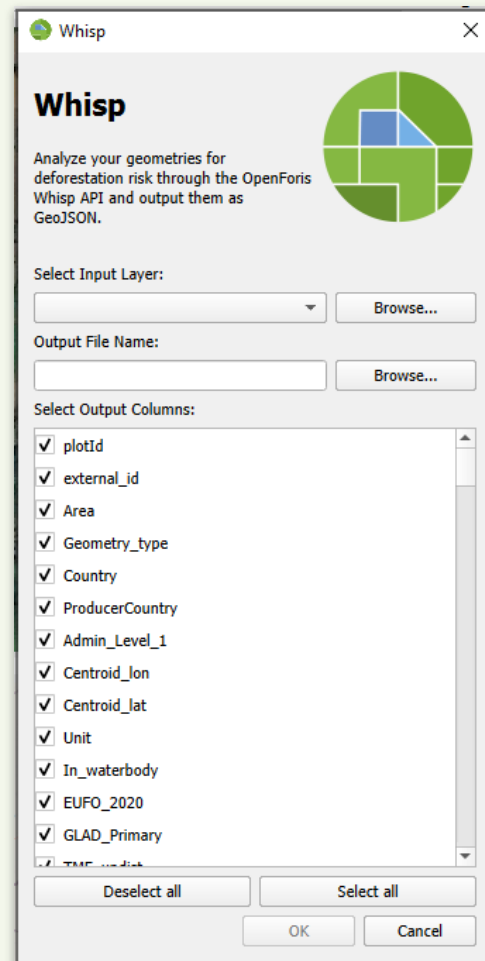
- Whisp API now useable through QGIS plugin



→ Simply search for “Whisp” in the QGIS plugin manager!

For issues and suggestions:

<https://github.com/forestdatapartnership/whisp-plugin/issues>



# Decentralized GeoID registry



<http://asset-registry.agstack.org>

Geoid: **ff93ad2470125dfe0f21b7b857140c94efa635c8b6f25104419e88129db9f682**



- Public, but high privacy registry of geometries (GDSP-compliant)
- Register your geometries and get 64-digit unique identifier in return
- Simple storage, e.g., in tables or as QR code
- Share your token only with those who need it (e.g, buyers)
- Anonymous, addressable but not discoverable
- **UPDATE:** Hosting by FAO globally (collaboration NFO-CSI) + national instances



# FAO's activities under



## 3 Workstreams:

1. Upscaling **Whisp** for sound risk assessments
2. Upscaling **Geolocation**
3. Decentralized **GeoID Registry**



**Bring relevant actors together**



**Develop training materials**

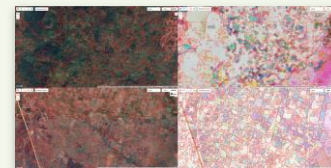
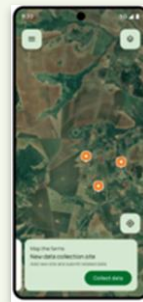
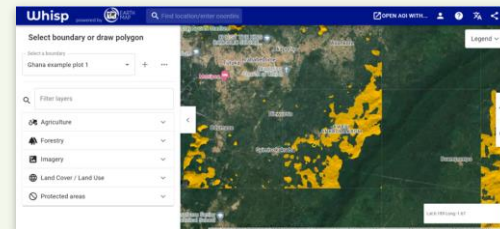


**Capacity building**



**Further development of the solutions**

**Focus countries:**



Geoid: ff93ad2470125dfe0f21b7b857140c94efa635c8b6f25104419e88129db9f682

# Country activities under



## Scoping missions:

**Colombia:** Cocoa sector (April 2025) → [Webstory](#)

**Kenya:** Coffee sector (May 2025)

**Vietnam:** Coffee & rubber sector (May 2025) → [Webstory](#)

- National workshops on DPI in general and trainings on Ground for cooperatives
- Discussions on DPI implementation with key stakeholders
  - implementing national maps in Whisp
  - using Ground for plot geolocation
  - finding potential candidate for hosting GeoID Registry
- Updated workplan + hiring of national consultant

**Upcoming country activities:** Scoping mission to Laos | [AGX conference](#) in Nairobi (in 2 weeks)

# DIASCA Forest Monitoring Working Group

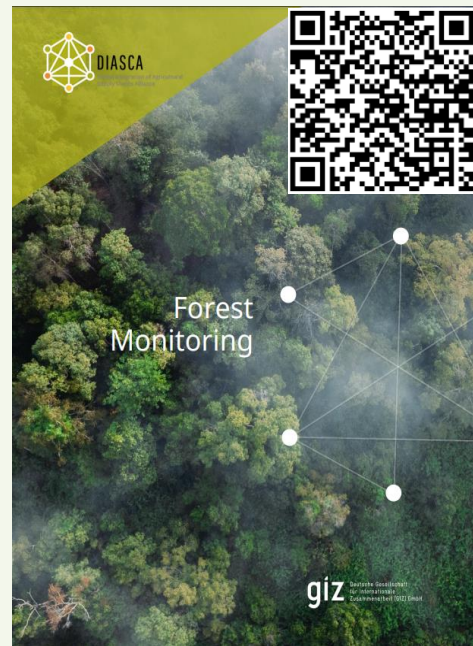


## Webinar Series: priority to producing countries

- What works?
- What challenges do you face?
- How can we (all) support each other?

2 more slots in 2025 (contact [diasca@giz.de](mailto:diasca@giz.de))

- **Webinar 1:** Reintroduction to regular DIASCA meetings + updates
- **Webinar 2:** Country input from Kenya, technical deep dive on OpenForis Ground → [recording](#)
- **Webinar 3:** Country input from Nigeria, technical deep dive on OpenForis Whisp





# Q & A

SASI







# Structure: Data Model

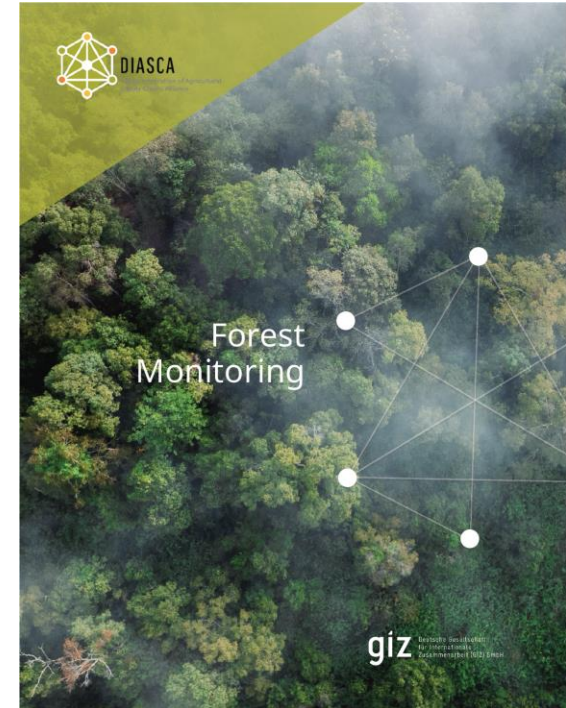
Matthew Himmel, COSA



# Updates to the Forest Monitoring Paper

- Incorporates updated EUDR FAQs + new guidance from leading experts and organizations
- New section on Compliance with Local Laws
- Actionable workflows for operator/trader

**To be released later this summer**



# Update on OpenForis Ground



## What's new since the last DIASCA Roundtable?

- Video tutorials:
  - English playlist: <https://www.youtube.com/playlist?list=PLVgDaw1NnOSCT6iscm9ZL-IOlpbGE2onz>
  - French playlist: <https://www.youtube.com/playlist?list=PLVgDaw1NnOSC75ctSUnxHJqJ75BGEje6c>
- Automatic Whisp scan of newly collected geodata
- French, Spanish, Portuguese, and Vietnamese interface for Android app
- Increased stability & improved user experience



# Data Exchange Templates & Data Model





# The Need for Data Exchange Template

The EU IS has created a standard for transmitting some data:

- Country
- Region
- Geolocations
- Plot area

But not others:

- Seller/ buyer Contract Reference, Container
- Risks for violation of relevant legislation in region
- Remote sensing details (findings, date of analysis, tools used)
- Ground-truthing details (findings, date of visit, implementing party)
- Legal provisions or concessions
- Certification status

# Data Exchange Template to be released this summer

- Overview
- GeoJSON Template
- A Python library to validate polygons

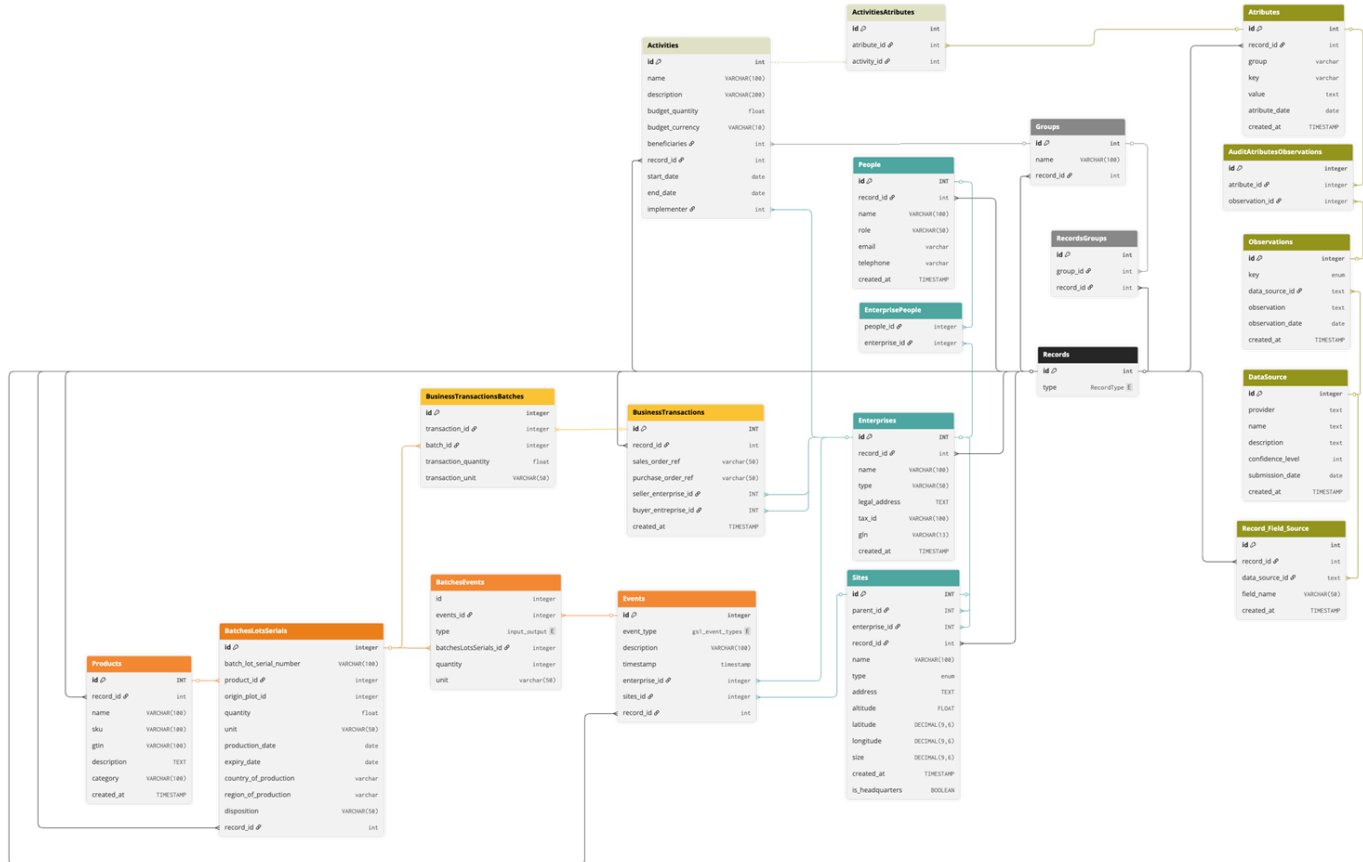
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```

# What is a Data Model?

*The goal of data modeling to illustrate the types of data used and stored within the system, the relationships among these data types, the ways the data can be grouped and organized and its formats and attributes.*

-IBM

# What does a Data Model look like?





# Who needs a data model

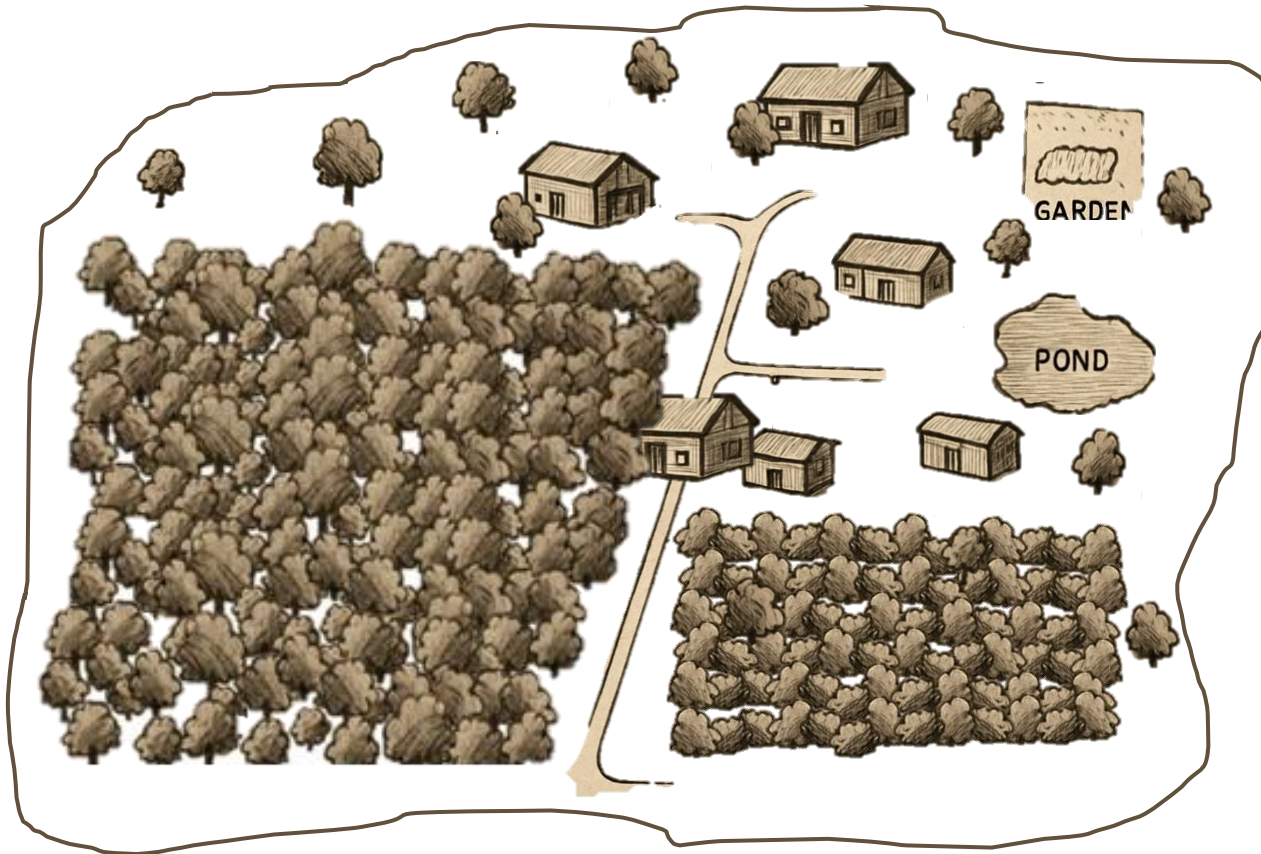
If you are a...

- Producing-country Government
- Producer groups, Cooperatives
- Exporter, Importer
- Operator, brand, retailer
- NGOs, Implementing Partners, Foundations

Creating a system to:

- Store plots and traceability
- Collate deforestation & legality data
- Track other plot data (e.g. carbon)
- Monitor farm income, performance
- Track engagement activities, outcomes, impact, ROI

# Planning for Growth



# Data Model Assets to be released this summer

- Overview
- Diagram (Entity Relationship Schema)
- SQL Data Definition Language Script
- Detailed Specifications with Validation Rules
- A Python library to enforce validations



# Joining Forces with the Forest Data Partnership

Laura Vary, WRI









# Smallholders' Data Governance


**Bogdan Buliga, Preferred by Nature**




# Where we are?

 **Context:** Production plot data is increasingly required for supply chain transparency and compliance (e.g., EUDR).

 **The Problem:** Smallholders often lack control, understanding, or safeguards regarding how their data is:  
**Collected; Used; Shared; Protected**

 **Consequences:** Data asymmetry and power imbalance; Risk of exclusion from markets; Limited consent and lack of data sovereignty; Compliance burdens pushed onto the most vulnerable actors

 **Need for the Study:** To identify **good practices** that: Safeguard smallholder rights and interests; Promote ethical data sharing; Ensure inclusive and fair governance of production plot information



## Scoping study to identify good practices on **smallholders'** data governance for production plot information in commodity supply chains



Focus on **smallholder data governance** in commodity supply chains



**Data types:** Geolocation, related production data



**Methods:** Research, Stakeholder engagement



**Governance focus:** Rights, consent, ethical, responsibility, power dynamics



Good practices to ensure inclusive **traceability**



# How we do it



Assessment of data types collected from smallholders



Identification of governance practices



Evaluation of power dynamics and equity implications



Exploration of Data Rights and Sovereignty

## Desk research

- Regulations
- Systems
- Guidance and frameworks

## Stakeholder interviews

- 20 diverse actors

## Case studies

- Cocoa – Colombia
- Coffee – Kenya
- Rubber – Vietnam
- Palm Oil – Indonesia
- Soy – Brazil

## DSWG alignment

- Validate results

## Conclusions

- On key challenges and good practices

### Scoping study to identify good practices on smallholders' data governance

For production plot information in commodity supply chains

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

\* Required

1. Name \*

Enter your answer

2. Organisation \*

Enter your answer

3. Email \*

Enter your answer

4. What is your opinion on the difference between data ownership and data rights, particularly [DSO](#) to smallholders/ production plot data?

Enter your answer

5. What are your thoughts or feedback on the case studies selected?

Enter your answer



QR Code



# Keep in touch with us



**Bogdan Buliga**

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*Get connected!*



[www.preferredbynature.org](http://www.preferredbynature.org)

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# Interactive Breakout Sessions

**Bigger Picture & Way Forward**





# Closing & Next Steps



# agx Unconference

*Digital Public Infrastructure &  
Intelligence for a More Efficient  
Agricultural Future*

July 23 – 24

ILRI Conference Center - Nairobi



Hosted by:



Gates Foundation



On invitation only, please  
reach out if interested



