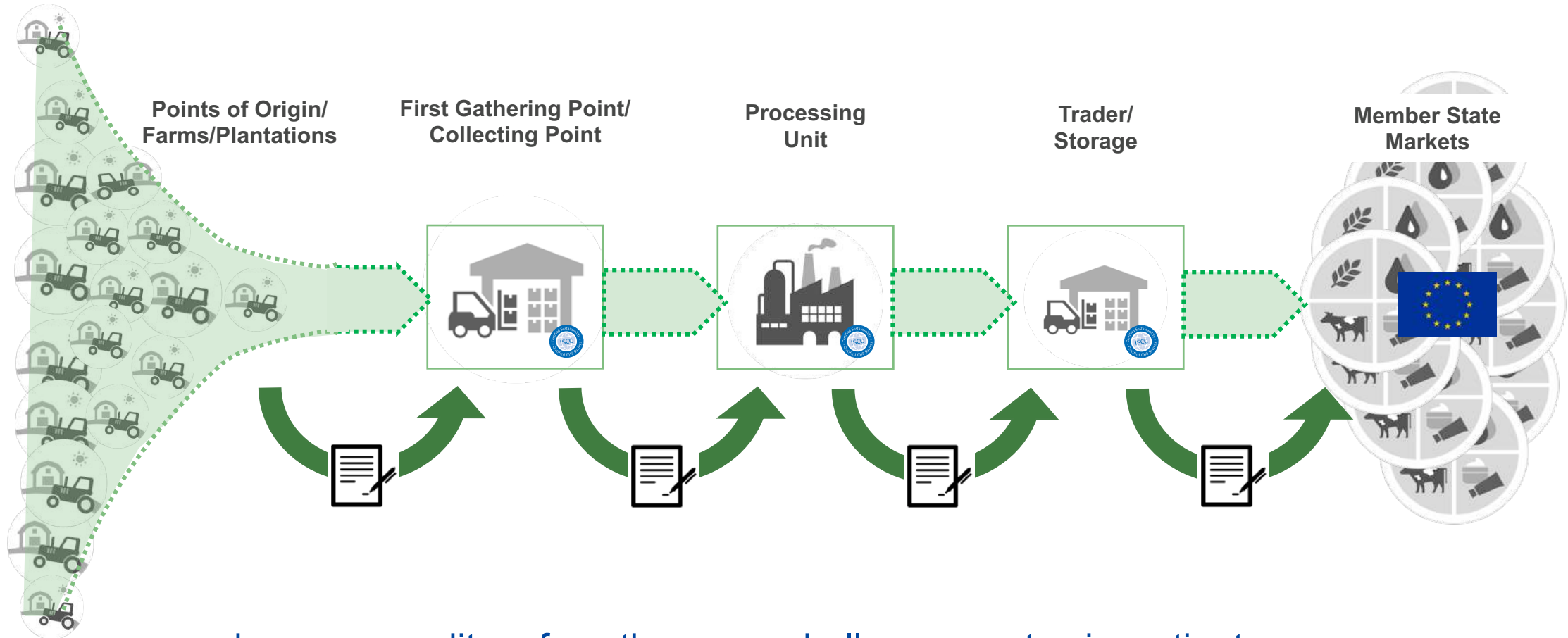# State of the Art Mapping and Traceability Tools
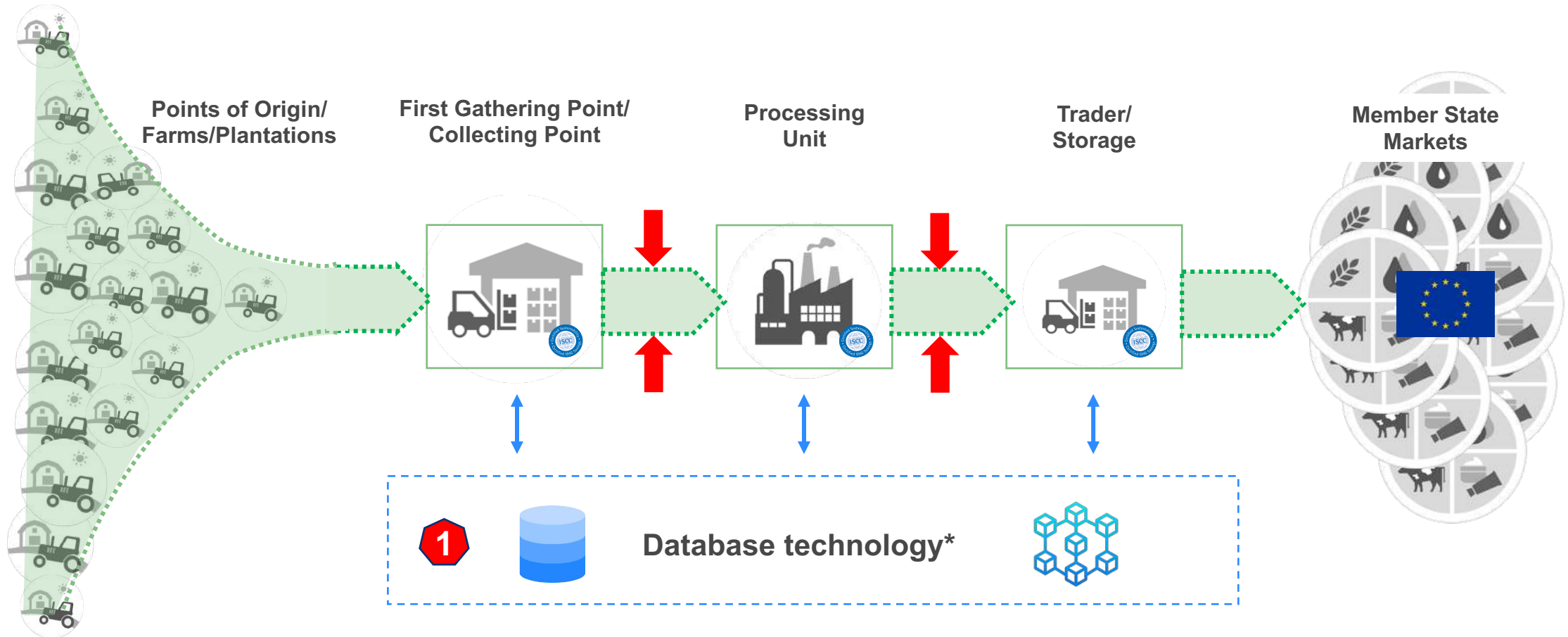
Andreas Feige, ISCC System GmbH
10th ISCC Global Sustainability Conference

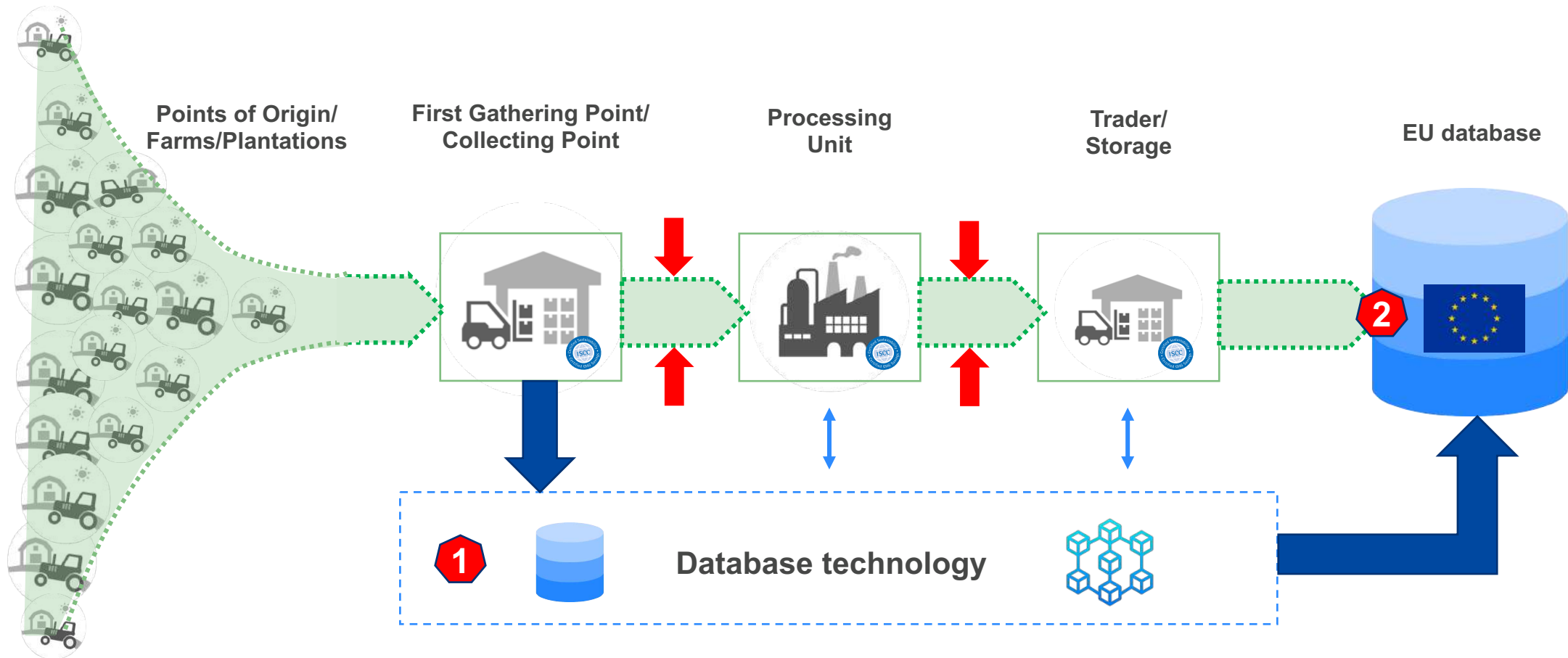# ISCC provides full traceability throughout the supply chain ...

Points of Origin/ Farms/Plantations

First Gathering Point/ Collecting Point

Processing Unit

Trader/ Storage

Member State Markets

… however, auditors face the same challenges as tax investigators:
i.e. some transactions may not be represented or hidden

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Three areas where challenges can be mitigated: 1. Outputs are hard-wired to the equivalent amount of inputs by means of technology

Points of Origin/
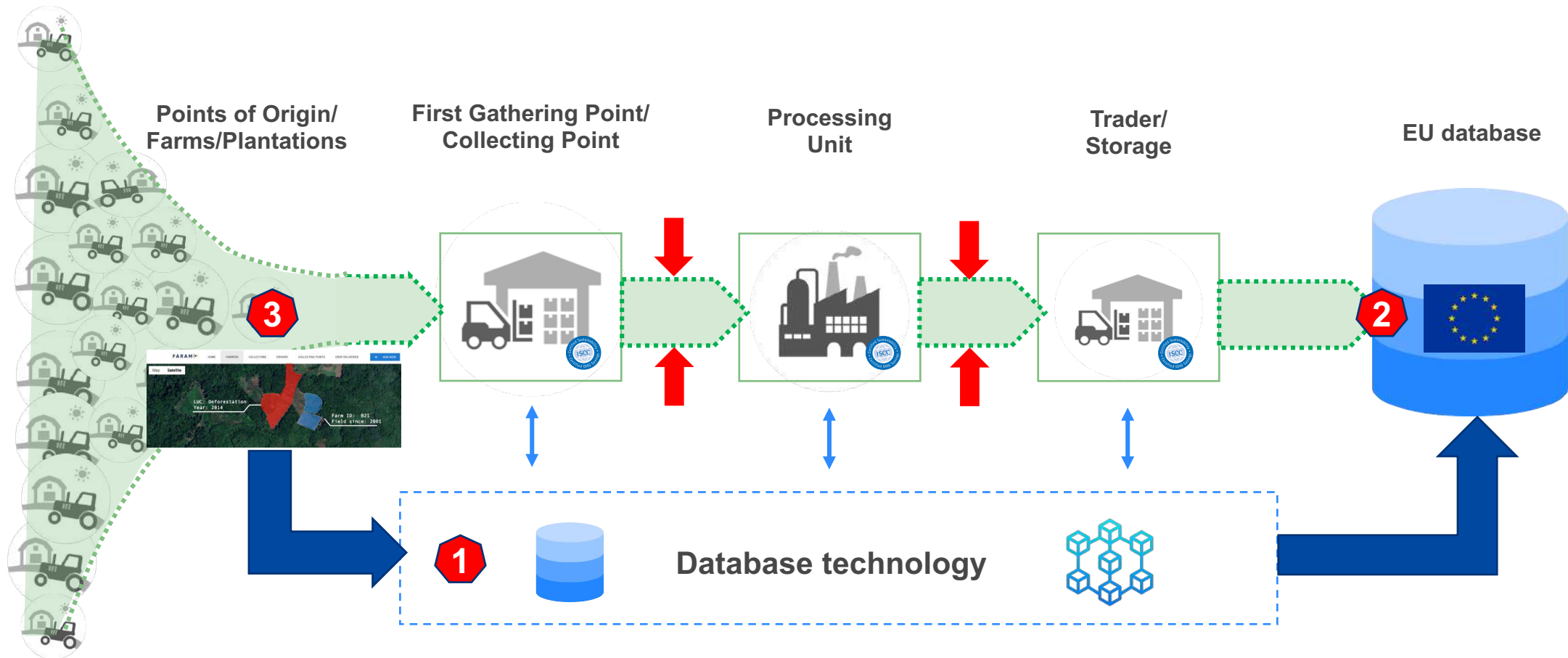Farms/Plantations

First Gathering Point/
Collecting Point

Processing
Unit

Trader/
Storage

Member State
Markets

Database technology*

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Three areas where challenges can be mitigated: 2. Prevention of multiple counting by connecting all EU Member States to one database

Three areas where challenges can be mitigated: 3. Automatic check of quantities and ISCC Principle 1 requirements at farm level

Points of Origin/ Farms/Plantations

First Gathering Point/ Collecting Point

Processing Unit

Trader/ Storage

EU database

Database technology

3. Automatic check of quantities and ISCC Principle 1 requirements at farm level
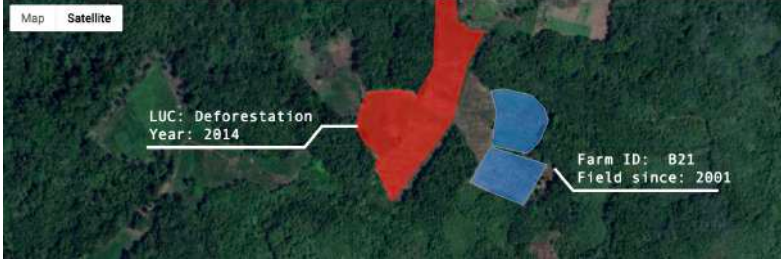
Smallholder App

- Basic data
- Agric. data
- Polygons
- Documents
- Pictures

Tracking App

- Single deliveries of farmers
- Recipient (e.g. oil mill)

Mapping and Tracking

- Mapping of farmer data (including pictures and land titles)
- Automatic sustainability assessment
- Verification of yields by area size and location
- Assessment and monitoring of yield improvement
- Supports access to finance

Integrated Management System

➢ **Traceability and quantities can be verified down to smallholder level**

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ISCC is supporting initiatives in different application areas

Independent Smallholder Mapping

Tool development

Points of Origin/ Farms/Plantations

First Gathering Point/ Collecting Point

Processing Unit

Trader/ Storage

EU database

Database technology

Smallholder App
- Basic data
- Agric. data
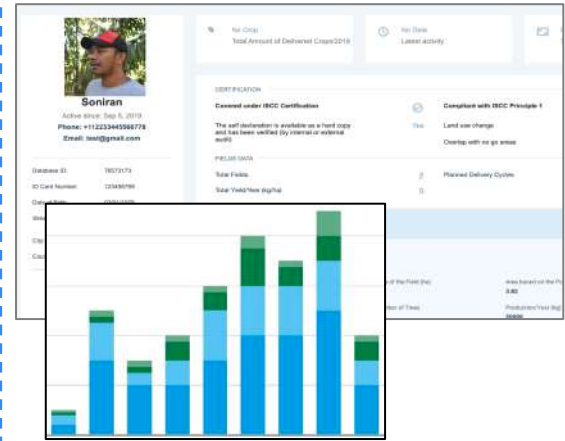- Polygons
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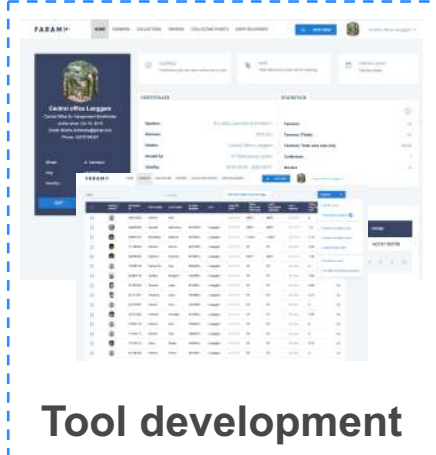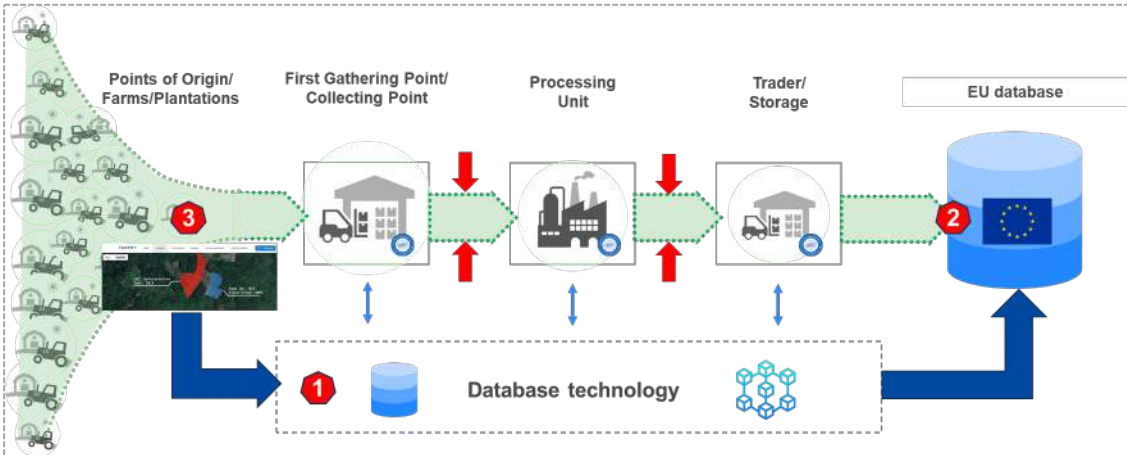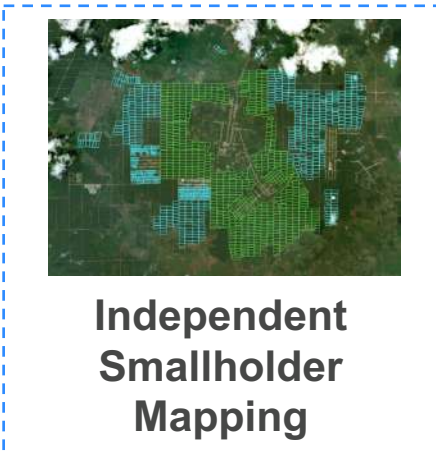- Recipient (e.g. oil mill)

Mapping and Tracking
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Smallholder pilots

Trace Your Claim W/R pilot

TYC — TRACE YOUR CLAIM

Blockchain palm pilot

SUSTAIN

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Many thanks for your attention!

Andreas Feige, ISCC System GmbH
Hohenzollernring 72, 50672 Cologne, Germany
Email: feige@iscc-system.org

ISCC is looking into the possibility to develop a standardized traceability system for point of origins (e.g. restaurants) dealing with UCO

UCO Traceability System for collecting companies

Example

Already collected restaurant

Next restaurant in the tour

Not yet collected

Truck location

- All restaurants are registered and geo-located
- Tanks for the collection of UCO at restaurants are labelled individually
- UCO is collected on pre-defined intervals or when tank is full. Tank is swapped with an empty one
- Truck drivers are provided with a mobile app to interact with the System

App **Database** **Dashboard**

- The driver enters the following information in the app:
  - Name of the restaurant
  - Number of the full tank collected at the restaurant
  - Time stamp and geo-coordinates of collection
  - Picture of pick-up slip
- Data for each collection are uploaded in a database
- The restaurant receives a copy of the pick-up slip
- The collecting company can access all data stored in the database through a company dashboard

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