State of the Art Mapping and Traceability Tools

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ISCC provides full traceability throughout the supply chain …

… however, auditors face the same challenges as tax investigators: i.e. some transactions may not be represented or hidden
Three areas where challenges can be mitigated: 1. Outputs are hard-wired to the equivalent amount of inputs by means of technology

* A blockchain is a database because it is a digital ledger that stores information in data structures called blocks. A database likewise stores information in data structures called tables. However, while a blockchain is a database, a database is not a blockchain.
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
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**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
ISCC is supporting initiatives in different application areas

Independent Smallholder Mapping

Tool development

Smallholder pilots

Trace Your Claim W/R pilot

Blockchain palm pilot

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Many thanks for your attention!

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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

- 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

- 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