



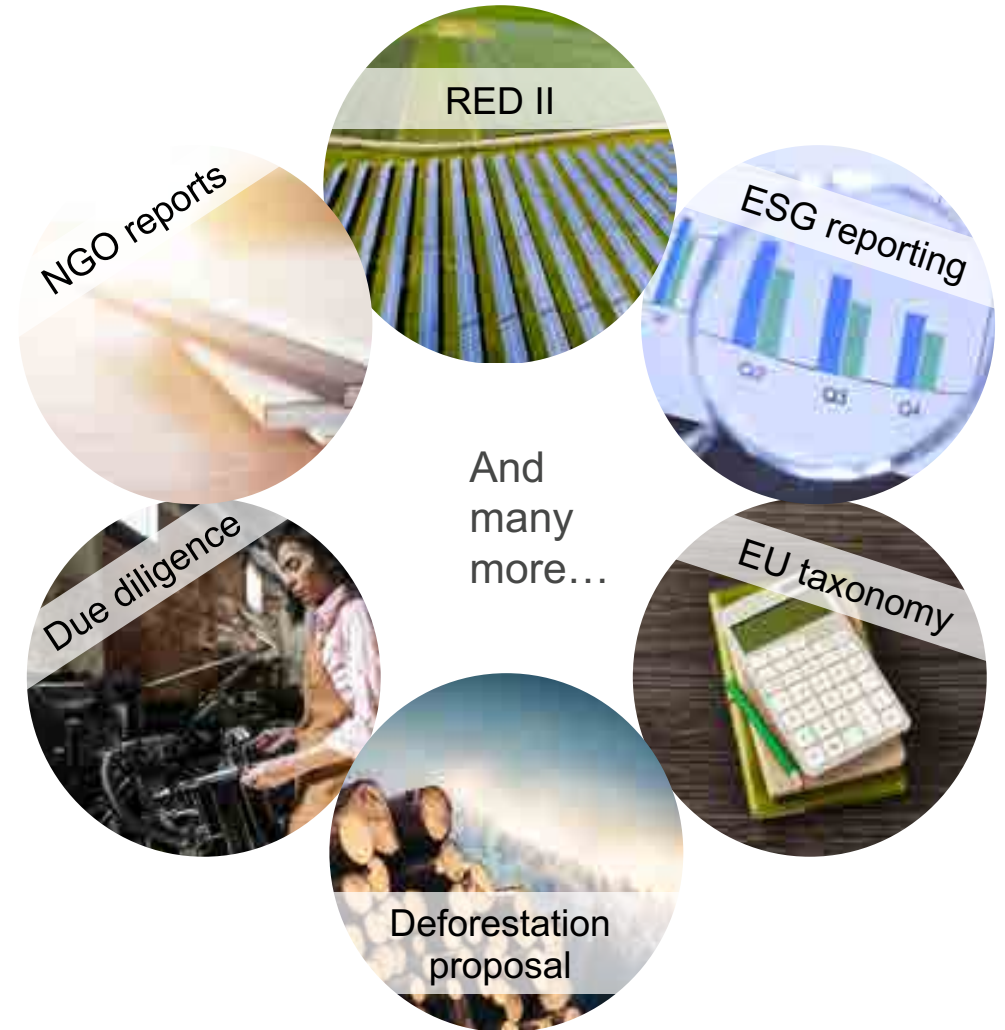
Digitalisation: Supply chain risks and traceability

Andreas Feige, Managing Director, ISCC System GmbH
Regional Stakeholder Meeting Southeast Asia, 18 October 2022

Challenges for certification systems are manifold

Challenges

- Consumers and politicians become increasingly aware of supply chain risks and ask for robust solutions
- More and more countries set up sustainability regulations
- The complexity within regulatory regimes increases significantly
- Supply chains and respective trades will have to comply with a multitude of new directives and sector specific initiatives



ISCC will provide digital solutions for system users to meet the challenges

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Digital solutions

- Capacity building and training
- Certification Processes
 - Audits (APS)
 - Administrative (ISCC Hub)
 - CORSIA registry
- Data mapping and tracking
- Risk assessment / due diligence
- 'One stop shopping' for system users

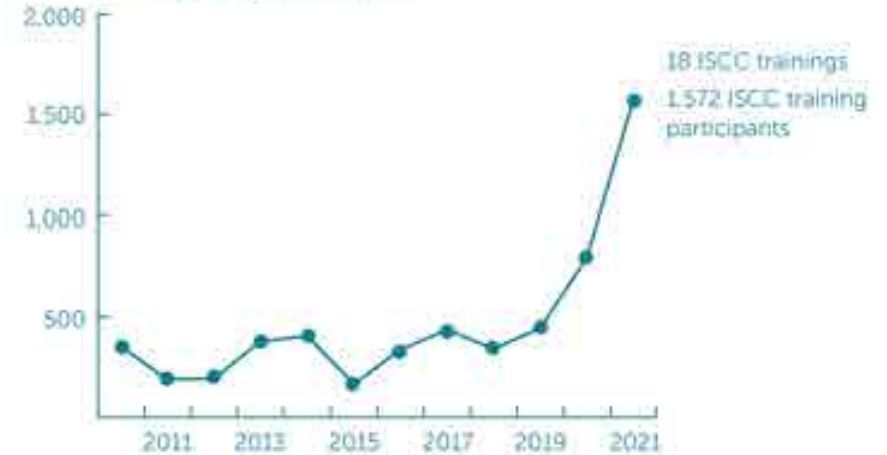
Digitalisation of capacity building and training

ISCC offers the following training courses:



- Online Training Test in Thinkific for Auditors for all ISCC Trainings
- Independent Smallholder Training
- ARIA Platform Training

ISCC trainings and participants

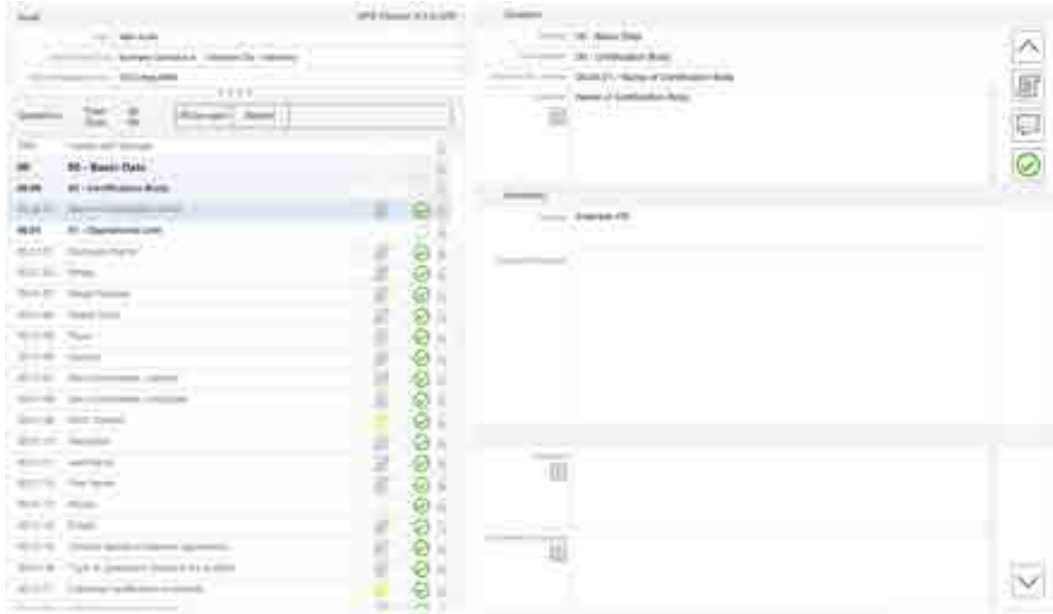


- Capacity was more than doubled within the last two years and is still increasing

→ Growing demand from on-site to online Zoom trainings

The Audit Procedure System (APS) and ISCC Hub digitalise and automate the certification process

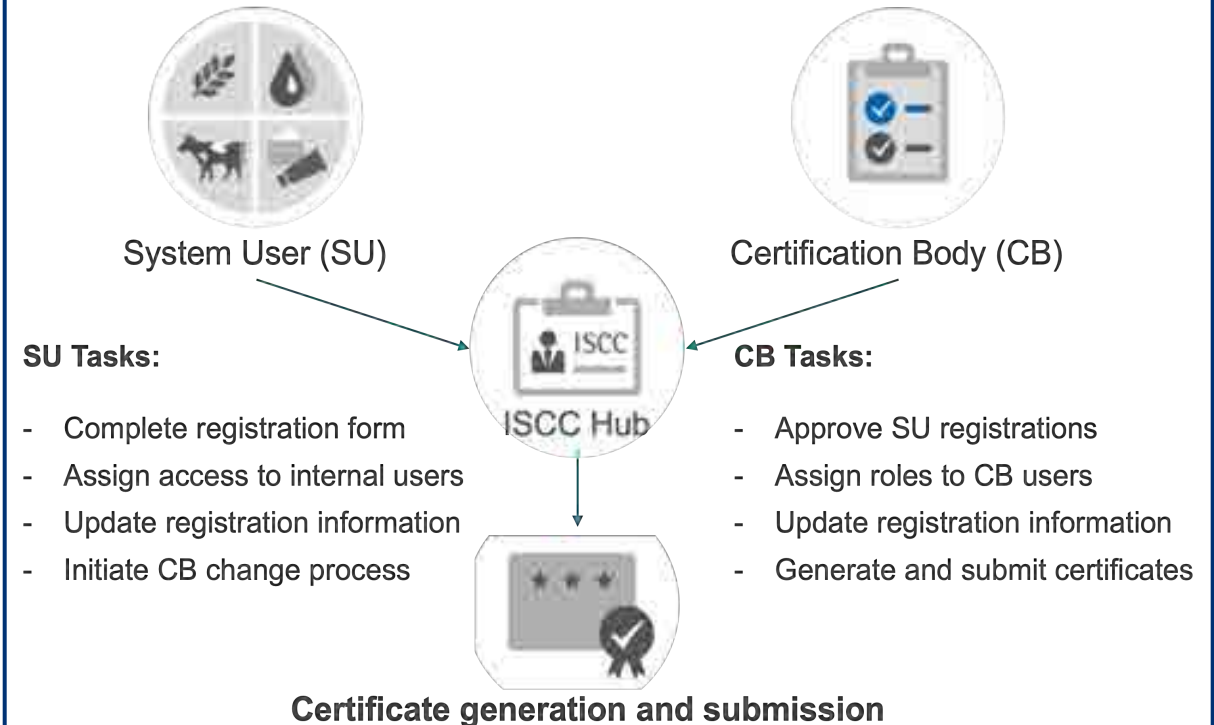
APS



User is guided through the audit by only displaying the questions relevant to each case.

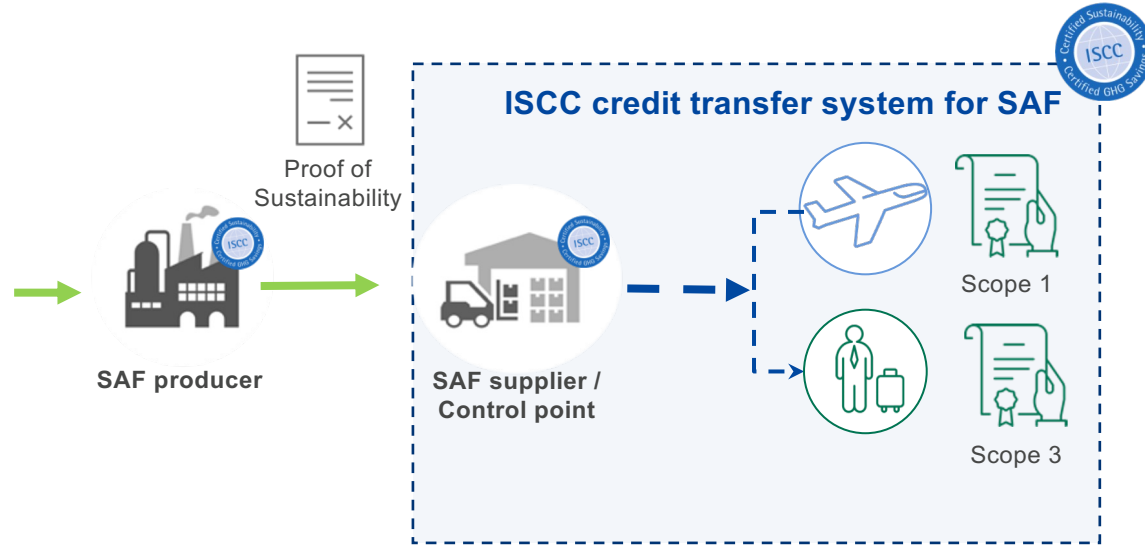
APS files enable the automatic transfer of data between different ISCC systems, e.g. link to ISCC Hub.

ISCC Hub



- Certificate generation and submission**
- Most details automatically entered from registration information
 - List of required documents generated based on answers in APS audit
 - Automatic sending of documents to ISCC

ISCC is developing a system to allow full end-to-end traceability of sustainable aviation fuel (SAF) claims, including for aviation end-customers



Credits Overview

List of own credits

Product	Feedstock	Country of Origin of Feedstock	Quantity/Volume of Neat Certified Fuel	Unit	Expiry date
SAF	UCO	NL	130.00	MT	10/4/2023
SAF	UCO	DE	100.00	MT	11/10/2023
SAF	UCO	FI	50.00	MT	11/10/2023
SAF	UCO	NL	150.00	MT	10/28/2022

Transfer Credits

Current Quantity Volume
130.00

Transfer Quantity Volume
130.00

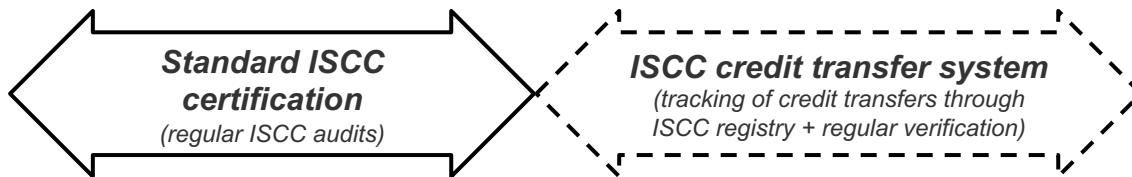
Internal notes

UNIT
 MT KG

Country origin feedstock
NL

BECCUBAW material
Corn / Maize

Screenshots of draft registry



What is the challenge and associated risks?

- Airlines and aviation end-customers (e.g. business travelers) wish to purchase and claim GHG emissions reductions from SAF use
- Unlike the upstream SAF supply chain, airlines and end-customers do not become ISCC certified
- This creates the risk of insufficient traceability and false claims

What is ISCC developing to address this?

- **Robust end-to-end approach** by combining the new SAF system with the „tried-and-true“ upstream ISCC certification approach
- Transaction and claiming process will be governed by **clear and robust rules** and be **subject to credible verification**
- A **key piece of the puzzle will be the dedicated ISCC registry** (currently in development), in which SAF volumes will be registered, transferred and claimed

Data mapping helps to reduce supply chain risks

Automated ISCC compliance check

Social / land right

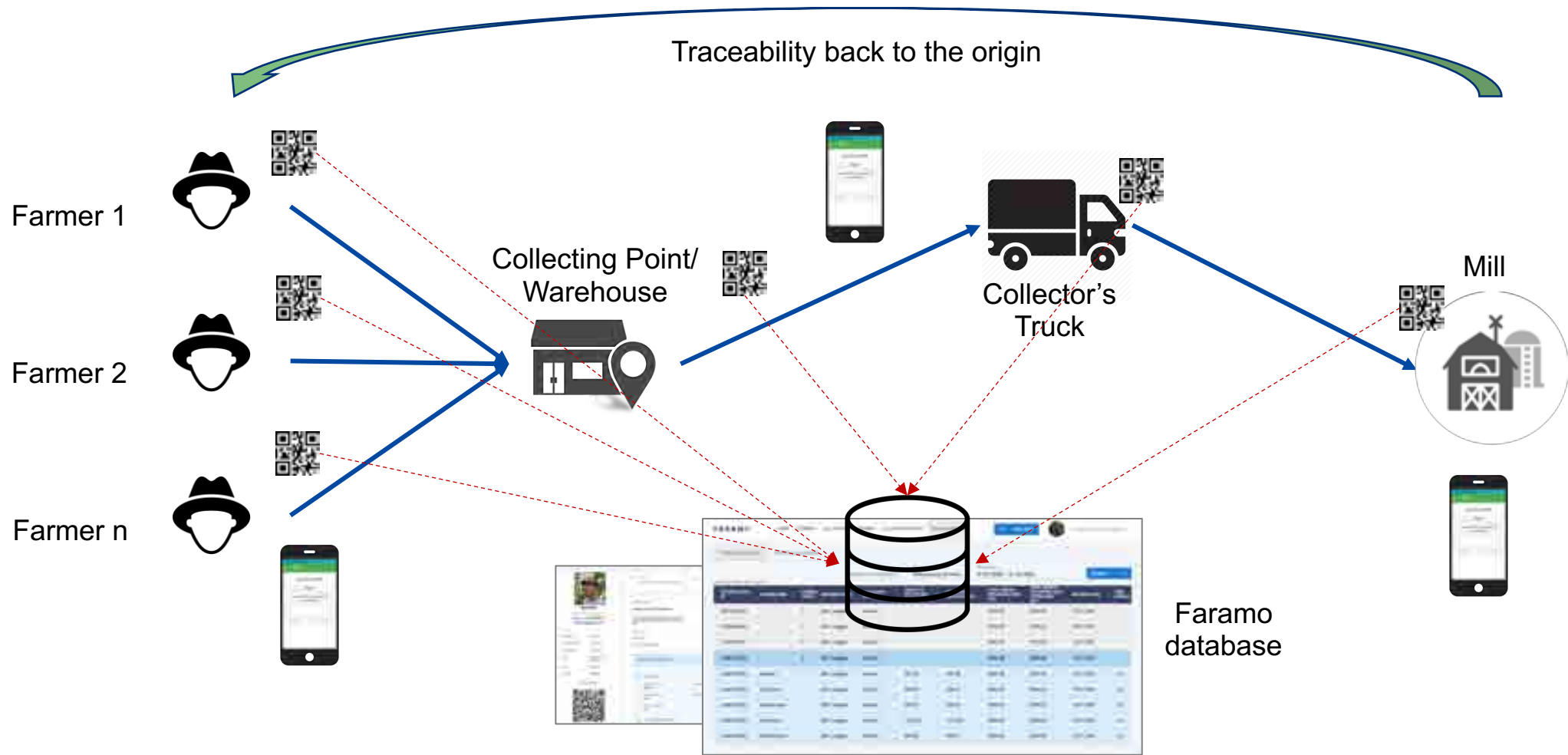
Field information

- Size
- Yield
- GHG emissions
- Chemicals / fertilizer application
- Year of planting
- Etc.

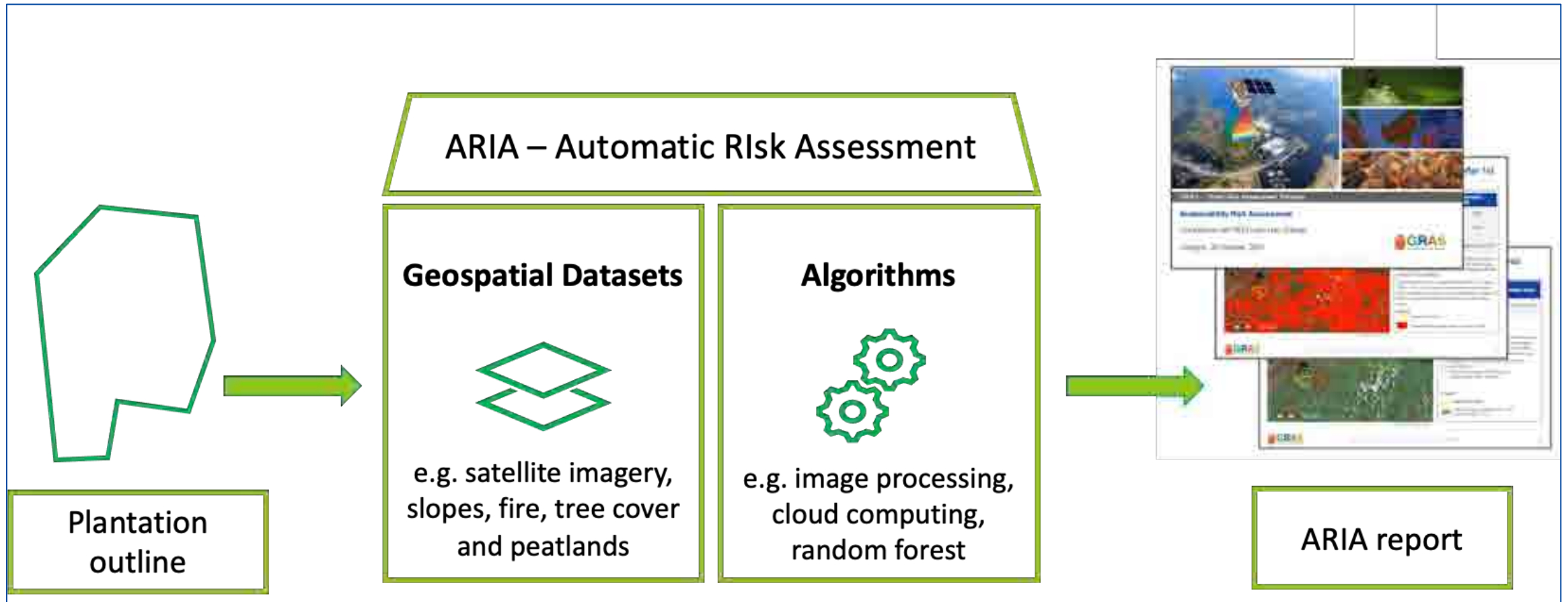
The screenshot shows a web interface for a company named Seniran. It includes contact information (phone: +112225445566778, email: sen@sen.com), a QR code, and a section for 'Covered under ISCC Certification'. A red callout points to a 'Complies with ISCC Principle 1' status. Another red callout points to a 'Social / land right' section. A third red callout points to a 'Field information' section which lists various data points. A smartphone in the foreground displays the 'ISCC Field App' interface.



Tracking of individual batches ensures traceability along the supply chain



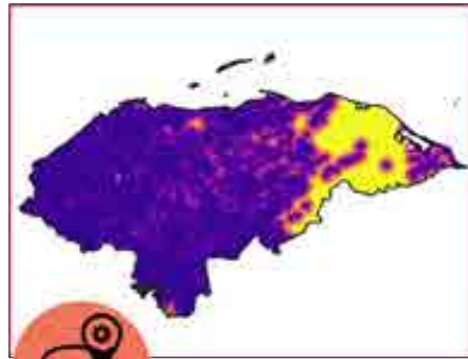
Environmental risk assessment with the ARIA platform



Social risk assessment and due diligence



Indices & Statistics



Georeferenced Datasets



Social Listening

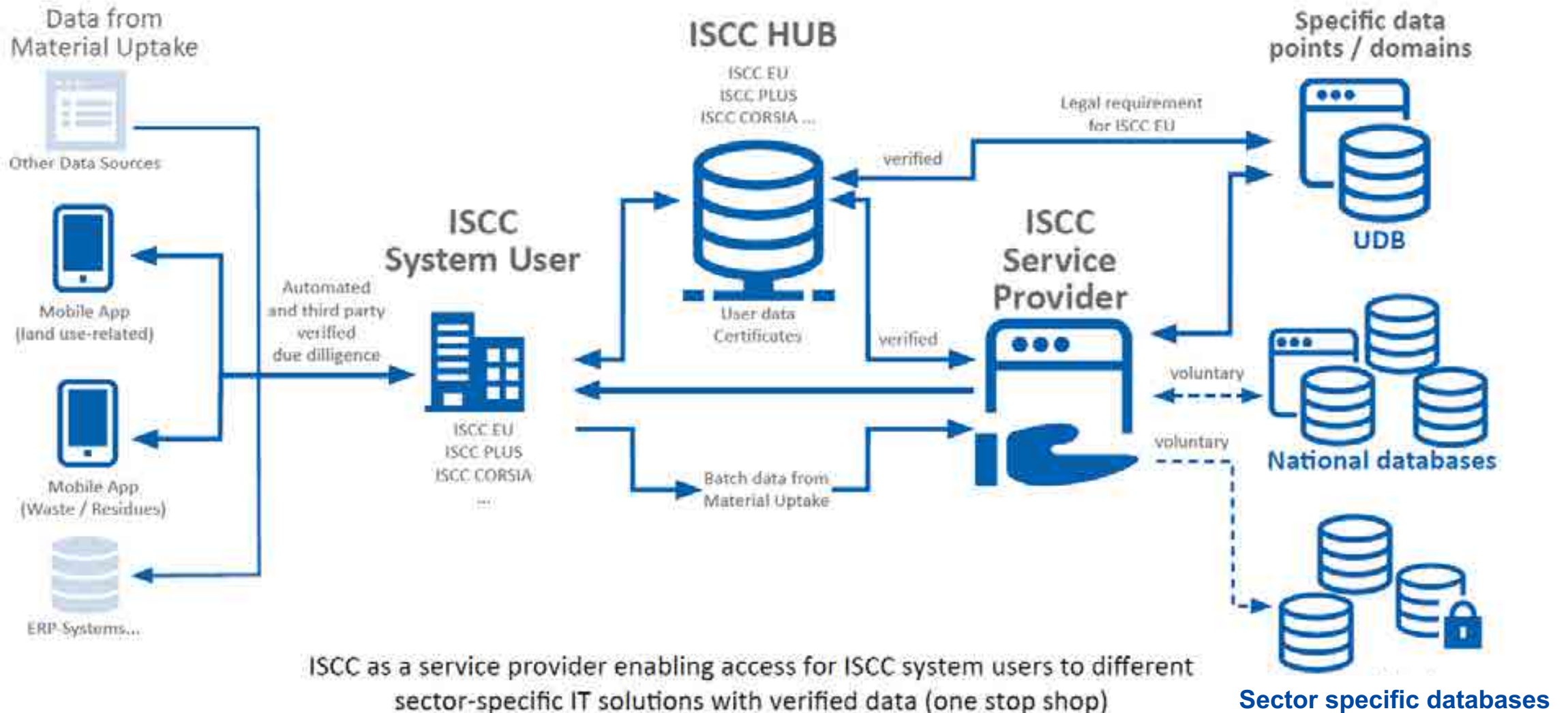


Country Reports

- National and sub-national risk evaluation
- Quantitative and qualitative assessment and reporting



'One stop shopping' for system users





Many thanks for your attention!

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