




ISCC's Role on the Path towards Carbon Neutrality


Andreas Feige, Managing Director, ISCC System GmbH
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ISCC today provides one stop shopping with access to all kinds of crops and market segments – recognised by many institutions and brand owners

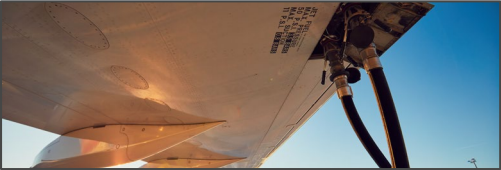
ISCC EU



ISCC PLUS



ISCC CORSIA*



Existing modules and add-ons:

GHG, consumables


Non-GMO

Independent Smallholder

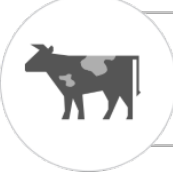
Food Security Standard (FSS)

Country specific modules, e.g. for Japan


Markets




Food



Feed



Chemicals/
Plastic



Energy

Recognitions

- European Commission/ RED II**
- ICAO/CORSIA
- Japan/biofuels
- SAI/Farm Sustainability Assessment
- FEFAC/Soy Sourcing
- Unilever’s Sustainable Agricultural Code
- Soy Network Switzerland
- Coca Cola’s Sustainable Agriculture Principles
- DIAGEO Sustainable Agricultural Sourcing
- ...

*ISCC also operates ISCC CORSIA PLUS that also covers the ISCC Sustainability Criteria 1 - 6

**Technical compliance of ISCC EU with RED II confirmed by EC. Official recognition pending.

How can ISCC support system users and brand owners on their journey towards climate neutrality and sustainable supply chains?

Global challenge



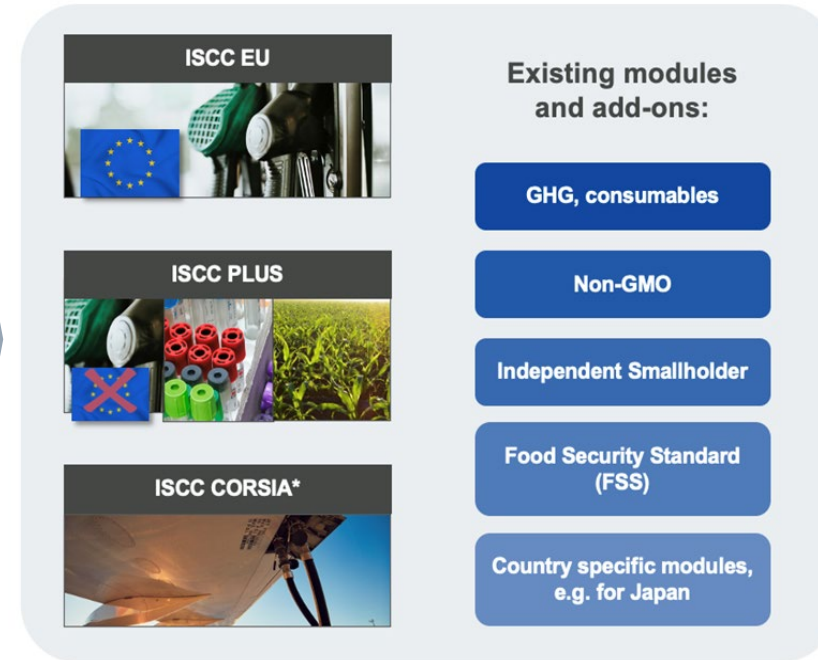
**UN CLIMATE
CHANGE
CONFERENCE
UK 2021**

IN PARTNERSHIP WITH ITALY

Main outcome of the Glasgow Climate Pact: Limit temperature increase to 1.5 °C

- Reducing carbon emissions by 45% by 2030*
- **Heading for carbon neutrality by 2050***

*relative to the 2010 level



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System user challenges

- Different GHG calculation methodologies throughout the supply chain
- Fragmented supply chain structure, not all participants necessarily ISCC certified
- **Regenerative agriculture** (climate change resilience, readiness / know-how, availability materials/technology)
- Different regulatory and voluntary framework conditions
- ...

Managing the challenges requires a new level of digitalisation and regenerative agriculture solutions

Challenges

- **Different GHG calculation methodologies throughout the supply chain**
- **Fragmented supply chain structure, not all participants necessarily ISCC certified**
- **Regenerative agriculture** (climate change resilience, readiness / know-how, availability materials/technology)
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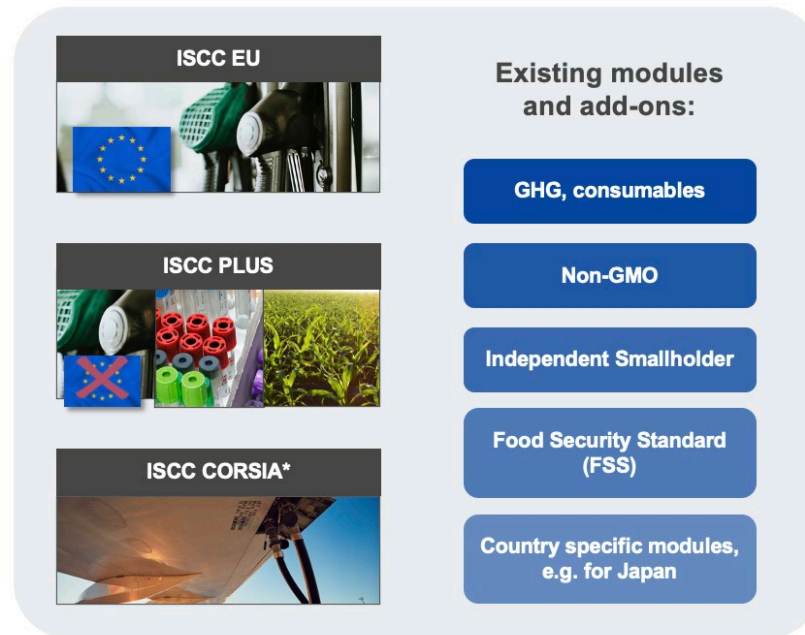
Approach

- **“Digital backbone” throughout the supply chain**
 - **Alignment of GHG calculation methodologies**
 - **Consistent data collection / analysis and verification** (incl. monitoring of improvement measures)
 - **Automated sustainability risk assessment**
- **Supporting regenerative agriculture capacity building**

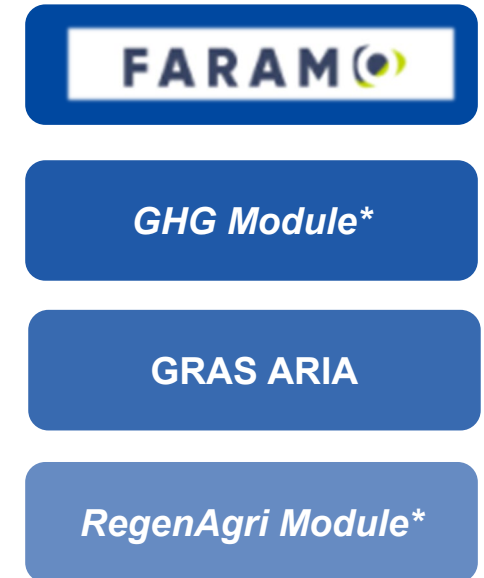
ISCC has intensified the development of important elements of a digital backbone

Approach

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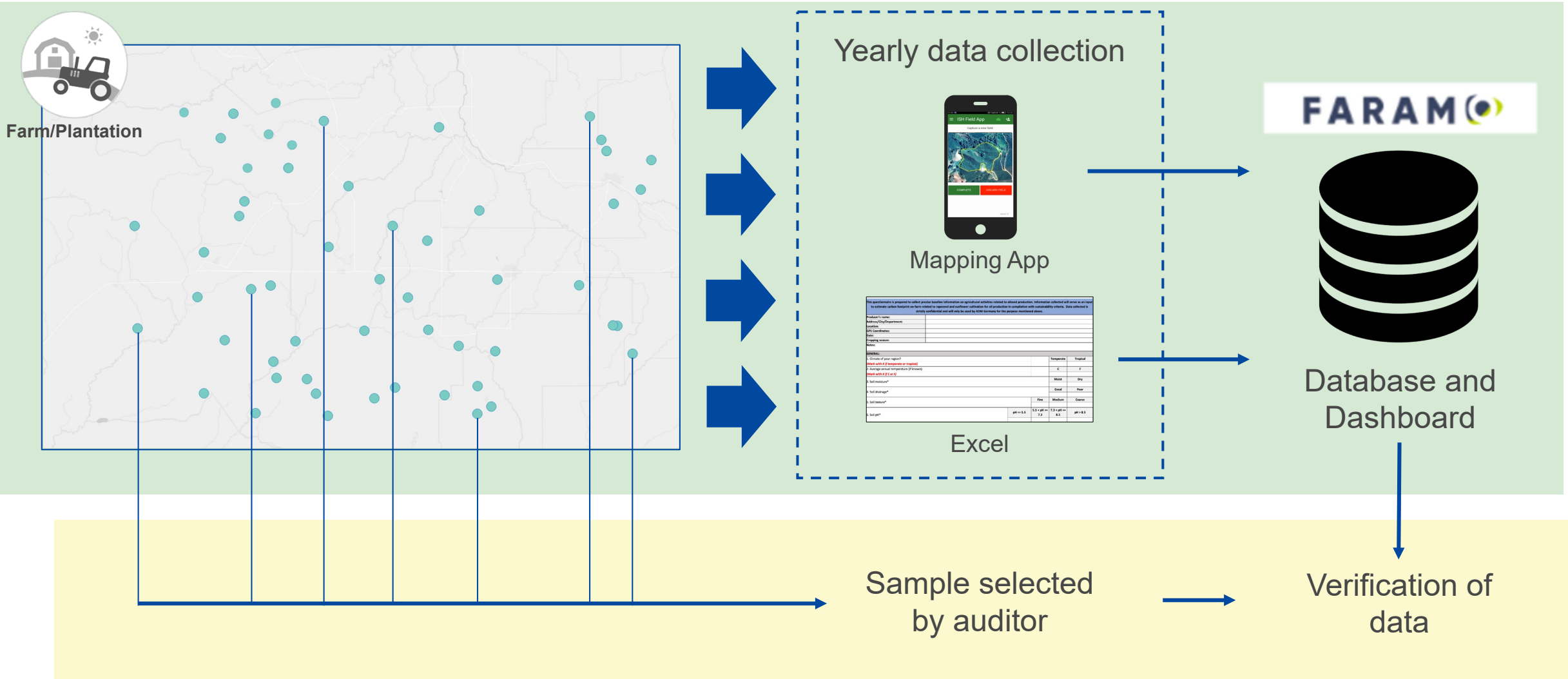


Digital solutions



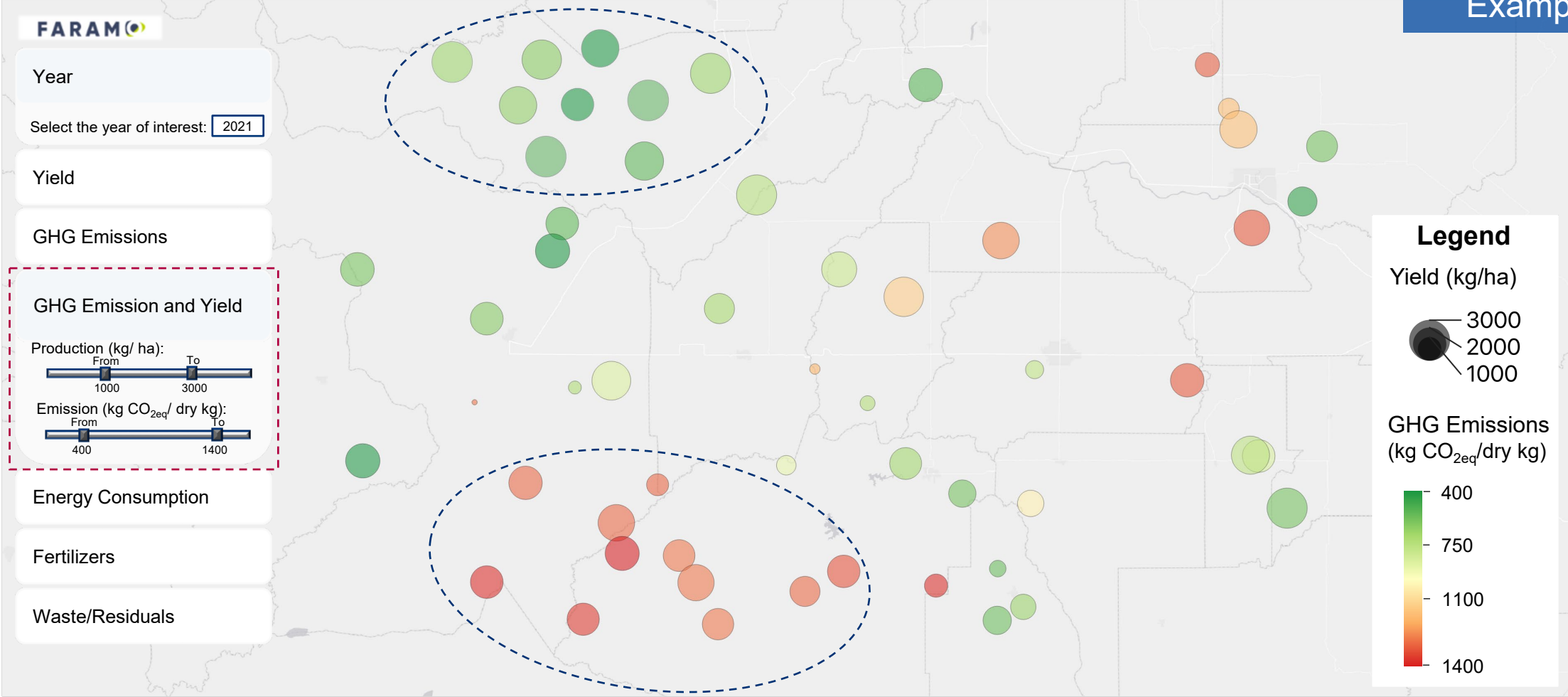
* Under development

GRAS FARAMO: digital tool supporting data mapping and verification of data ...

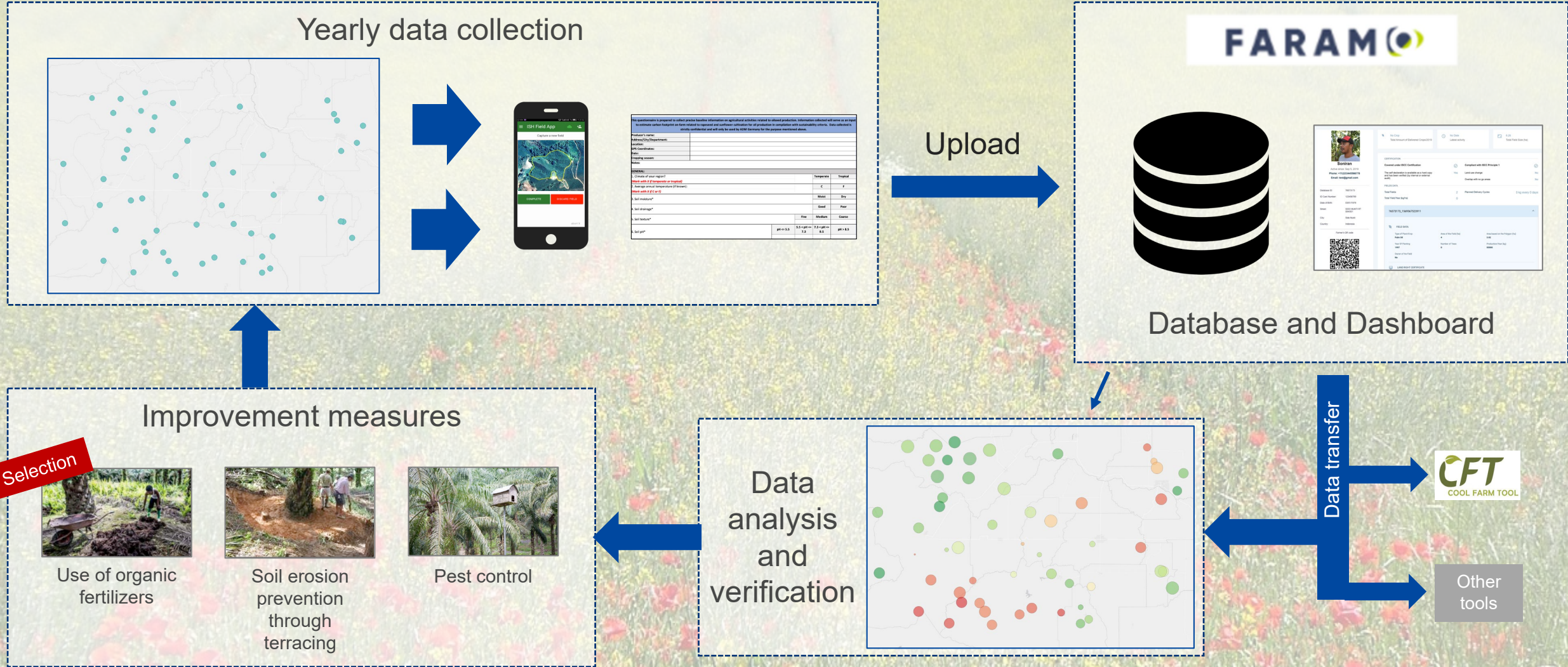


... as well as the analysis of data – e.g. developing improvement measures based on regional performance patterns

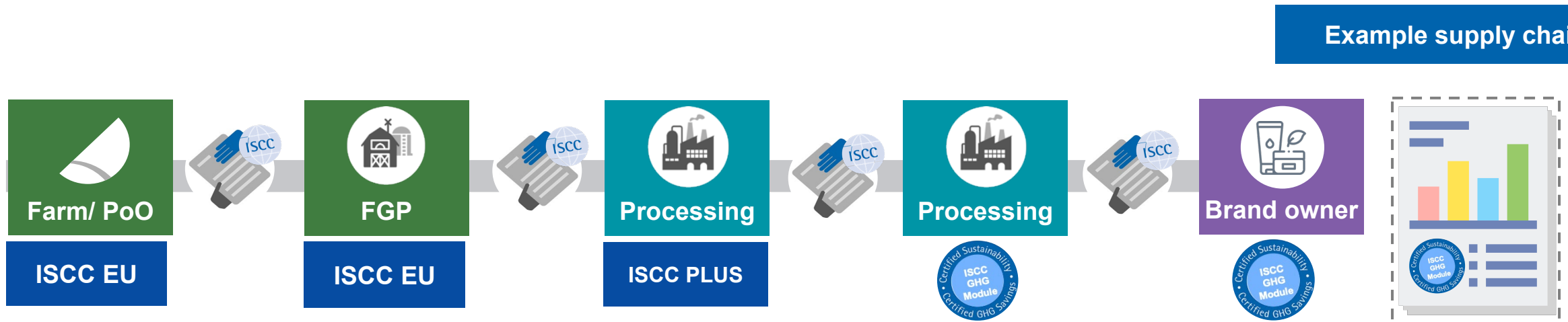
Example



... and can support system users to monitor the effectiveness of measures and performance over time

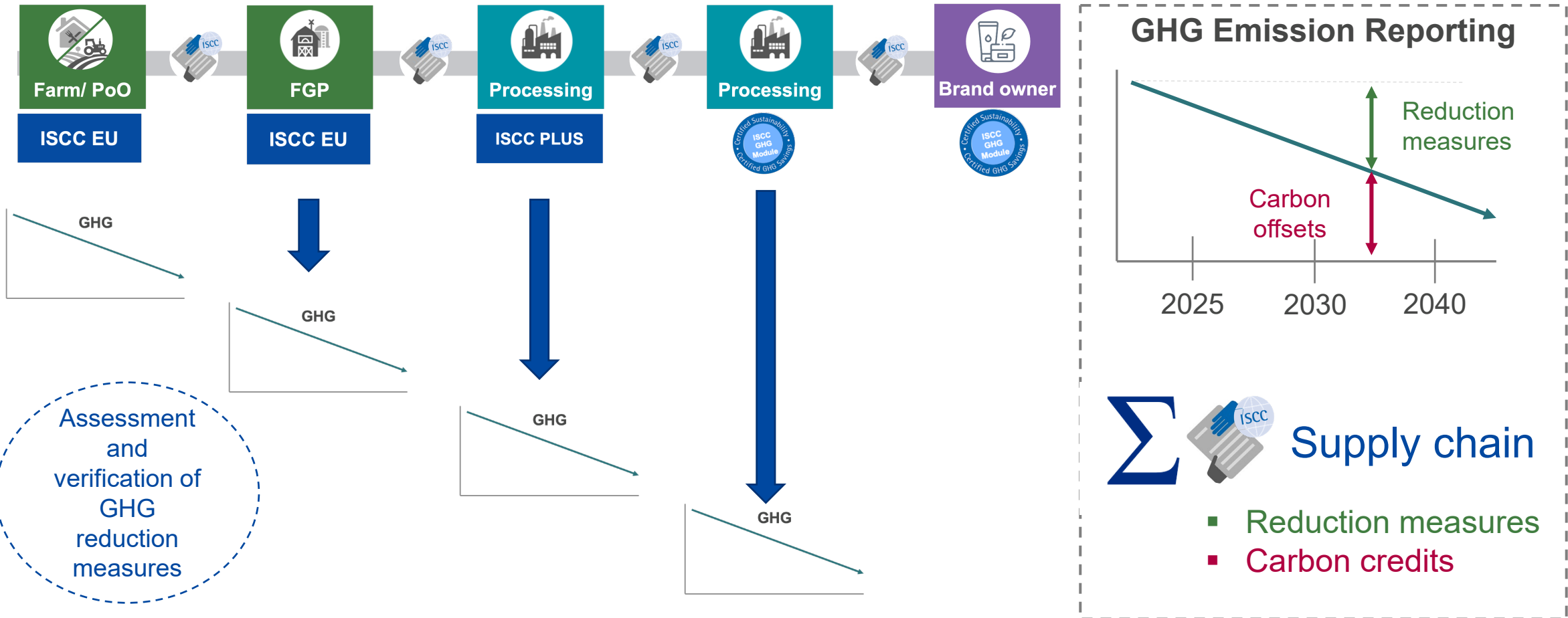


ISCC GHG module: alignment of GHG data / calculation methodologies for enabling the use of relevant GHG standards



- Fully covered cradle-to gate or cradle-to-grave product carbon footprint
- Individual values based on primary data possible
- Separate reporting of GHG emission sources and carbon offsets
- 3rd party verification allows for credible claims
- Calculation of main GHGs (CO₂, CH₄, N₂O)
- Development of practical approaches for e.g. savings from soil carbon accumulation (IPCC), inclusion of further GHG relevant data on ISCC sustainability declarations to minimize differences

Implementation of the ISCC GHG Module along the entire supply chain allows to track reduction measures and targets at each market actor





Thank you for your attention!

Follow us on   

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