



# Certification and Database Solutions

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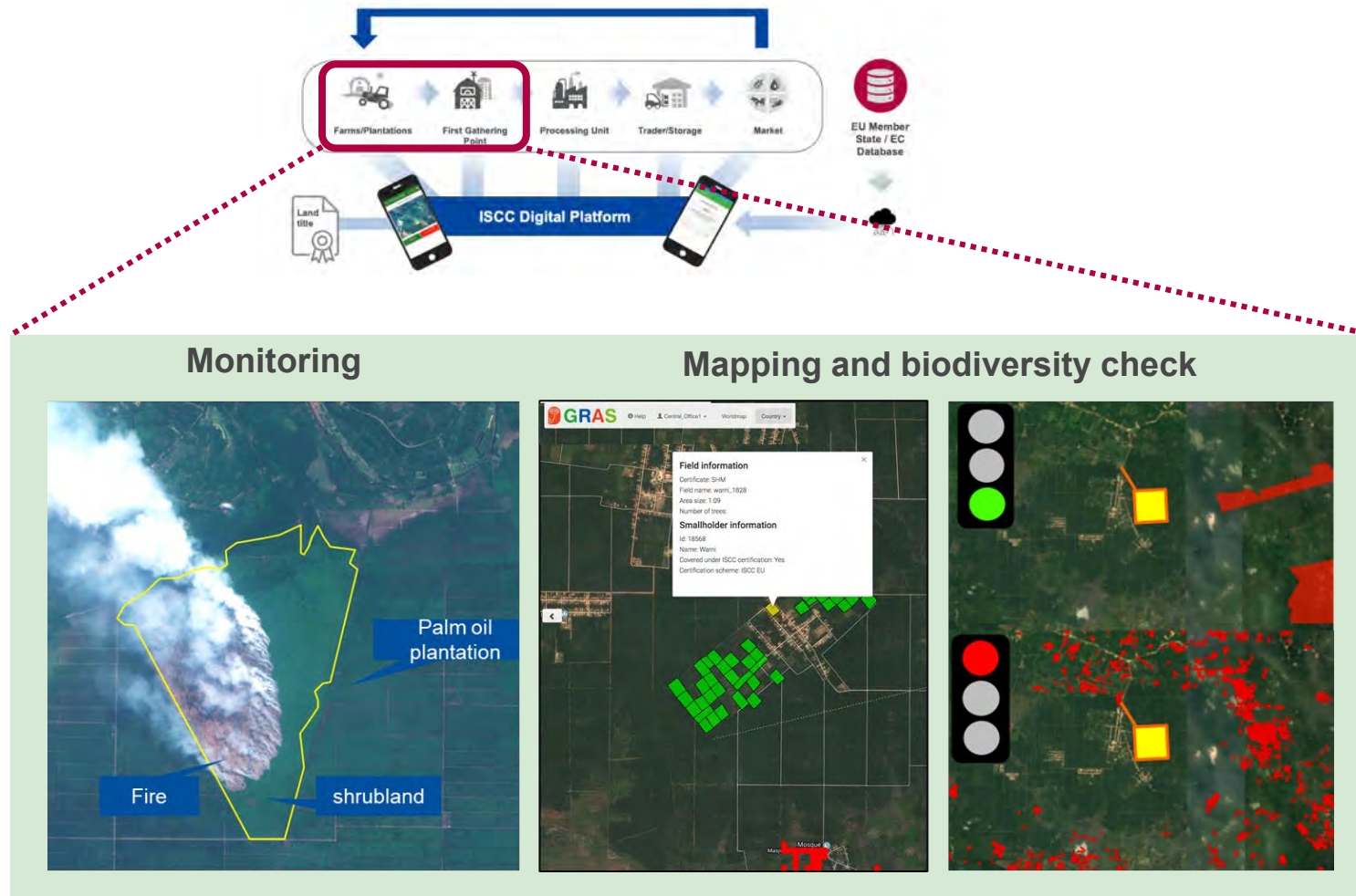
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Argus Biofuels Europe and Asia Markets Conference



# The ISCC Digital Platform can ensure full traceability and sustainability and access to regulator databases



# 1. Elements which enable a new level of data quality and integrity – satellite data analysis and online tools



## 1. Satellite data analysis and online tools

- Monitoring of landscape changes
  - Fire monitoring
  - Deforestation monitoring
  - Biodiversity loss monitoring
- Alerts and early warning
- Land cover determination
- Mapping of polygons and farm data (incl. GHG)
- Automated assessment of compliance with sustainability requirements

## 2. Elements which enable a new level of data quality and integrity – traceability databases



**TYC TRACE YOUR CLAIM**  
SECURITY FOR YOUR SUSTAINABILITY CLAIMS

User data / accounts | Manage input | Manage conversions | Manage output | Stock | Reporting | Messages

Subaccount: Oil Mill A | Decimal separator is the decimal point (.), as in 3.141 | Manage incoming goods

Incoming goods  
Agricultural product 45,000 mt

Selection result

Identification no.	Product name	Feedstock origin	Certification system	Location	GHG kgCO2eq/t	def.	GHG %	Supplier	Quantity	Date
S3102	Oil palm (FFBs)	Malaysia, Sabah, Blue estate	RSPO MB		100.00	<input type="checkbox"/>		Blue estate	10,000 mt	26/06/2016
S3106	Oil palm (FFBs)	Malaysia, Sabah, Gold estate	RSPO MB		100.00	<input type="checkbox"/>		Gold estate	5,000 mt	26/07/2016
S3107	Oil palm (FFBs)	Malaysia, Sabah, Gold estate	RSPO MB		100.00	<input type="checkbox"/>		Gold estate	4,000 mt	26/06/2016
S3104	Oil palm (FFBs)	Malaysia, Sabah, Blue estate	RSPO MB		100.00	<input type="checkbox"/>		Blue estate	12,000 mt	25/06/2016
S3105	Oil palm (FFBs)	Malaysia, Sabah, Blue estate	RSPO MB		100.00	<input type="checkbox"/>		Blue estate	8,000 mt	26/05/2016
S3103	Oil palm (FFBs)	Malaysia, Sabah, Blue estate	RSPO MB		100.00	<input type="checkbox"/>		Blue estate	6,000 mt	26/07/2015

Show documents that relate to the entire current selection. Documents

### 2. Track and trace database

- Traceability back to the origin
  - Farm, plantation
  - Restaurant, landfill, sewage pond
  - GIS based location data
- High integrity of data and sustainability declarations
  - Upload of validated data at point of origin
  - No manipulation of already uploaded transaction data
  - No double/triple accounting
  - Fraud-proof for all system users

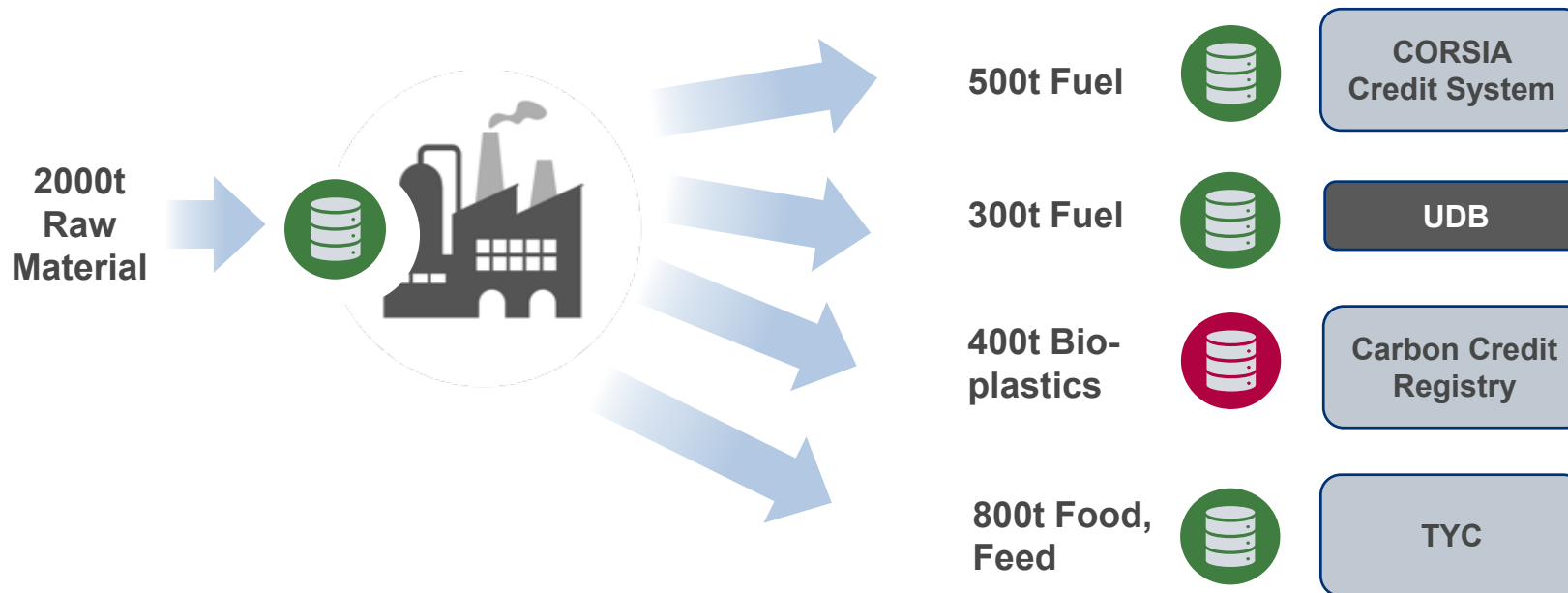
### 3. Elements which enable a new level of data quality and integrity – compatibility with other databases



### 3. Compatibility with other Databases

- APIs with other databases
  - Commercial databases
  - Government / EU Member State databases
  - European Commission database (UDB)
- Prerequisites
  - Harmonised material and product list
  - Mandatory minimum data requirements (system user basic data, transaction data)
  - System user audited by independent third

# Compatibility with other databases is needed to avoid leakage effects and multiple accounting of the same batch



Illustrative example

## In order to enable one stop shopping!

Enables system users to use one database system under different regimes, e.g.

- RED II
- CORSIA
- Country specifics, e.g. Japan FIT
- Food, feed, bioplastic, circular economy
- Carbon credits / offsetting
- TYC

Avoids that the same batch could be claimed under several regimes/regulations several times as sustainable



Many thanks for your attention!

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