



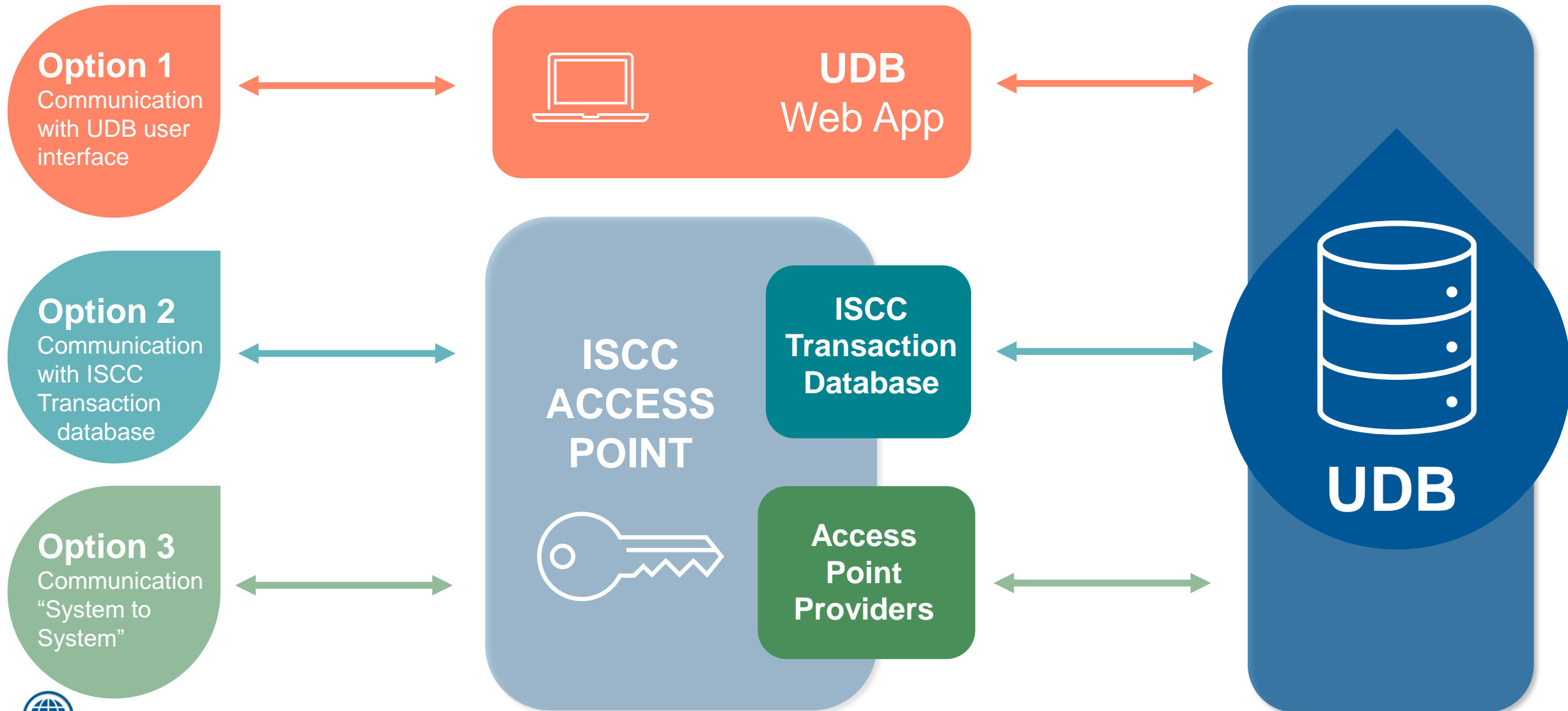
Union Database (UDB) Update

Kristina Nenov, Senior System Manager, ISCC System
13th ISCC Regional Stakeholder Meeting Southeast Asia,
Jakarta, Indonesia, 25 October 2023

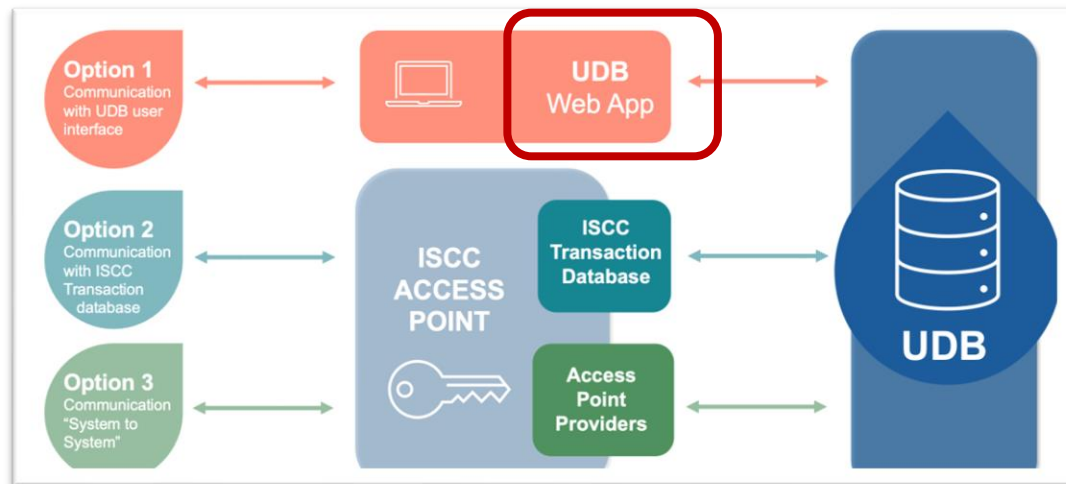
ISCC Transaction Database Overview

- A platform, where ISCC system users can initiate their transactions, upload sourcing contacts and material uptake, convert materials, manage stock balance, etc.
- Functionalities in compliance with the UDB requirements.
- Directly connected to the ISCC Hub and to the UDB.
- User friendly functionalities (e.g., upload of sourcing contacts, initial stock registration and material uptake via csv file), reducing time effort.
- Internal testing rounds are completed.
- First pilot has started to cover a supply chain from point of origin down to a biofuel production.
- User manual and trainings will be provided to all interested system users soon.

Three Options for EOs to Provide Transaction Data

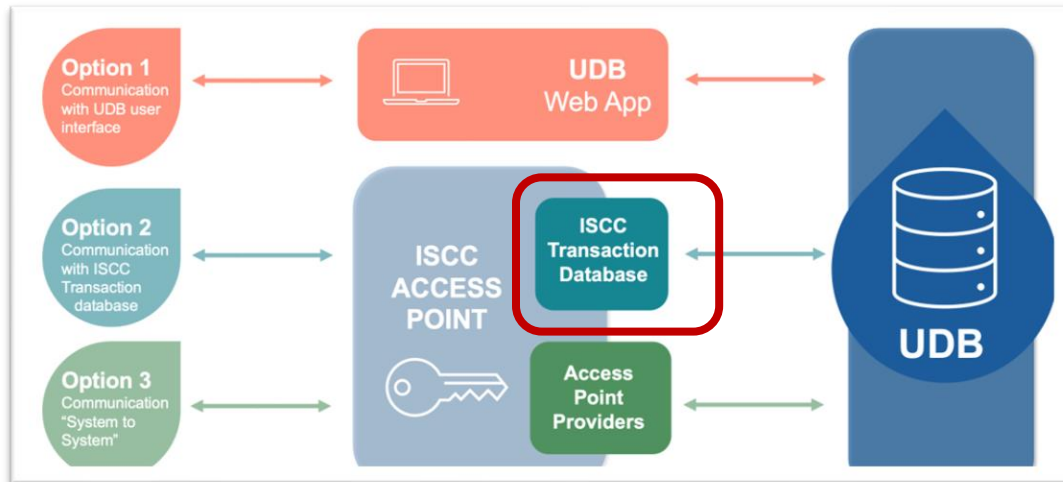


Option 1- UDB Web Interface



Economic Operators (EOs) will have the possibility to use the UDB directly and manage their transactions in the UDB with the built-in web interface. However, the usage of the web interface requires a manual entries.

Option 2 - ISCC Transaction Database



- A platform, where ISCC system users can initiate their transactions, upload sourcing contacts and material uptake, convert materials, manage stock balance, etc.
- Functionalities in compliance with the UDB requirements.
- Directly connected to the ISCC Hub and to the UDB.
- First internal testing round completed.
- Currently in preparation for the first pilot project, planned to start in two weeks.

Homepage

The screenshot displays the ISCC homepage. On the left is a sidebar with the ISCC logo and a list of navigation options: Company Data, Certificates, Sourcing Contacts, Initial Stock Registrati..., Material Uptake, Stock, Transactions, and Conversions. The main content area is titled 'Messages' and features a message from Kristina Nenov dated 20-09-2023 15:27. The message is titled 'Upload Templates' and contains text explaining that upload templates can be used for mass data upload, with a reference to an instruction document. Below the text are two links: 'sample upload material uptakes.xlsx' and 'sample upload initial stock registration.csv'. An orange box with the text 'Templates ready for download' has an arrow pointing to the second link. A blue box with the text 'Options on the left side depend on the certified scope (e.g., trader will not have “Conversions”)' has an arrow pointing to the 'Conversions' option in the sidebar. At the top right of the main content area, there is a dropdown menu labeled 'Operational unit selection'.

Operational unit selection ▼

ISCC
International Sustainability
& Carbon Certification

<

Company Data >

Certificates

Sourcing Contacts

Initial Stock Registrati...

Material Uptake

Stock

Transactions

Conversions

Messages

Kristina Nenov 20-09-2023 15:27

Upload Templates

The upload templates can be used to mass upload data. An instruction can be found in the document. The CSV file can be useful to copy-paste data into the file and save it directly in the correct format.


sample upload material uptakes.xlsx

sample upload initial stock registration.csv

Templates ready for download

Options on the left side depend on the certified scope (e.g., trader will not have “Conversions”)

Company and Certificate Details



International Sustainability
& Carbon Certification

Company Data

Certificates

Initial Stock Registrati...

Stock

Transactions

Conversions

Operational unit selection

Certificate details.

Print

Submitted HA hub api 09-08-2023 09:46:05

Certificate

Date of Issue

23-03-2023

Date of Original Issue

23-03-2023

Chain of Custody

Mass Balance

Group Certification

☐

Place of Issue

Emstek

Valid from

24-03-2023

Valid until

23-03-2024

Status

Valid

Sites

Certified Materials

Site Type	Site ID	Scope	Incoming Material	Outgoing Material	GHG Method	Status
Main site	ISCC-Reg-6568	BP - Biodiesel Plant	URWO002 - Oil palm fresh fruit bunches (FFBs) - Raw material	FBF0058 - rape seed biodiesel - Fuel	AV - Actual value	
Main site	ISCC-Reg-6568	BP - Biodiesel Plant	URWP005 - Palm oil mill effluent (POME) - Raw material	FBF0058 - rape seed biodiesel - Fuel	AV - Actual value	

Company and certificates' data will be automatically transferred from the ISCC HUB

Sourcing contacts

Operational unit selection ▼

ISCC International Sustainability & Carbon Certification

Add Sourcing Contacts.

✕ Cancel Save Save & Next

Sourcing Contacts

Sourcing contact

Owner ⓘ

NTR ID ⓘ

Status ⓘ Active

Legal type Legal Entity

Name ⓘ

Other Legal Identification

VAT ID

Address

Street ⓘ

Town ⓘ

Country ⓘ Select a value

Email ⓘ

Postal code ⓘ

State

Telephone

Website

Sourcing contacts are not-certified entities, delivering sustainable material to the first gathering point and collecting point via self-declaration (e.g., restaurants, farms).

Sourcing contacts can be added manually. It is also possible to add new sourcing contacts via csv upload.

Material Uptake

After the sourcing contacts have been uploaded in the system, the user can register a receipt of the material from its sourcing contacts.

ISCC International Sustainability & Carbon Certification

Operational unit selection ▾

Material Uptake overview.

+ Add Upload Export to Excel

Export the material uptakes

Operational ...	Site covered ...	Material name	Date of upta...	Quantity	Unit	GHG method	GHG value (g...	Country of or...
<input type="text"/>	<input type="text"/>	Select a ...	<input type="text"/>	<input type="text"/> - <input type="text"/>	Select a v...	Select a v...	<input type="text"/> - <input type="text"/>	Select a ...

1 item(s) Items per page 100

Material uptake can be done either manually, or via upload with csv file.
The quantities are updated accordingly in “Stock”.

Initial Stock Registration (ISR)

Initial Stock Registration will be one-time activity and it is applicable for all Economic Operator (certified entities). Since the digitalization of traceability is a complex exercise, the ISR at the end of a mass balance period is essential. The template for the upload can be downloaded directly from the system.

Operational unit selection ▼

Initial Stock Registration overview.

+ Add Upload Export to Excel

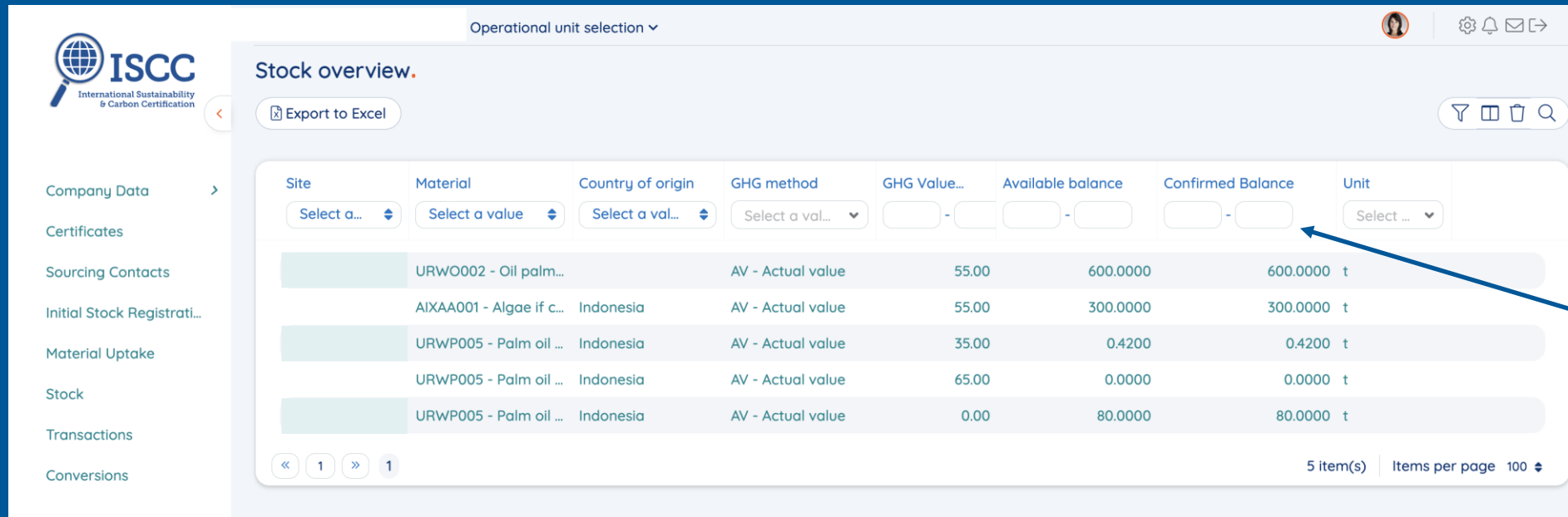
Manual entry or csv Upload

Oper...	Material type	Certificate numb...	Material	Qua...	Unit	Certi...	Coun...	Country of Origin	GHG...	GHG method
<input type="checkbox"/>	Select a v...	Select a value	Select a value		S...	S..	S..	Select a value	-	Select a value
<input type="checkbox"/>	Raw material	EU-ISCC-Cert-DE100...	URWO002 - Oil palm fresh...	600	t				55	AV - Actual value
<input type="checkbox"/>	Raw material	EU-ISCC-Cert-DE100...	AIXAA001 - Algae if cultivat...	300	t			Indonesia	55	AV - Actual value
<input type="checkbox"/>	Raw material	EU-ISCC-Cert-DE100...	URWP005 - Palm oil mill e...	10	t			Indonesia	0	AV - Actual value

3 item(s) Items per page 100

The quantities are updated accordingly in “Stock”.

Stock Balance



Operational unit selection ▼

ISCC International Sustainability & Carbon Certification

Stock overview.

Export to Excel

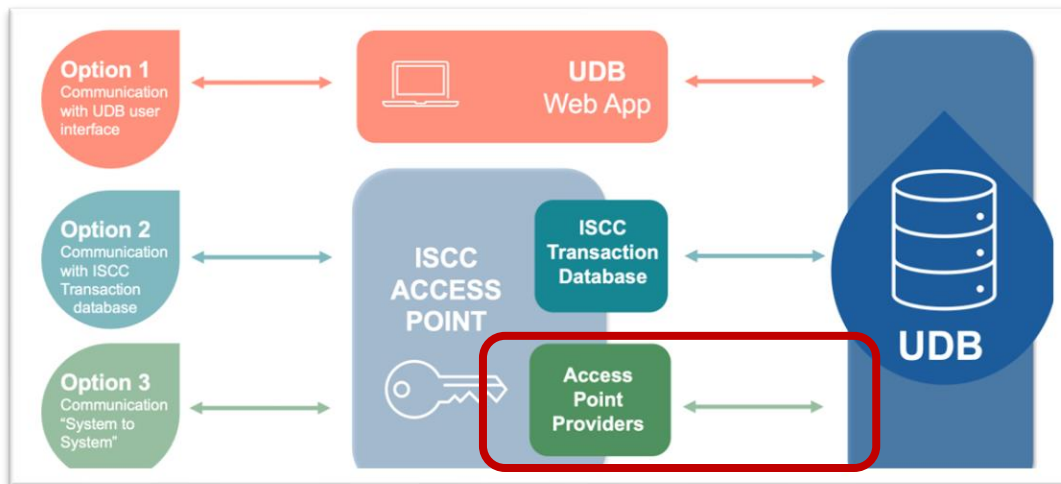
Site	Material	Country of origin	GHG method	GHG Value...	Available balance	Confirmed Balance	Unit
Select a...	Select a value	Select a val...	Select a val...				Select ...
	URWO002 - Oil palm...		AV - Actual value	55.00	600.0000	600.0000	t
	AIXAA001 - Algae if c...	Indonesia	AV - Actual value	55.00	300.0000	300.0000	t
	URWP005 - Palm oil ...	Indonesia	AV - Actual value	35.00	0.4200	0.4200	t
	URWP005 - Palm oil ...	Indonesia	AV - Actual value	65.00	0.0000	0.0000	t
	URWP005 - Palm oil ...	Indonesia	AV - Actual value	0.00	80.0000	80.0000	t

5 item(s) Items per page 100

The user has an overview of its stock (e.g., available balance, confirmed balance).

New rows are created according to the sustainability characteristics (material type, country, GHG method, GHG values). If the sustainability characteristics are the same, the quantities can be aggregated in the same row.

Option 3 - System to System (StS) Communication



- Since last year ISCC has been working on integrating access point providers (APP) for a StS communication.
- ISCC has been collaborating with several APP to enable direct communication with the UDB.
- In absence of a legally sound framework elaborated by the EC, ISCC has directed a few larger EOs to a pre-selected APP, where tests of connections to the acceptance environment of the UDB could be conducted.
- ISCC has been also evaluating additional APPs that offer various technical approaches.
- ISCC is ready to direct more interested EOs to at least two tested and evaluated APPs as soon as the legal implications of such nomination are cleared.

ISCC has a dedicated team working continuously on the goal to provide the necessary data for onboarding and make transactions in the UDB possible.



Thank you!

ISCC System GmbH

Hohenzollernring 72, 50672 Cologne, Germany

www.iscc-system.org

