



# Managing Organic Integrity

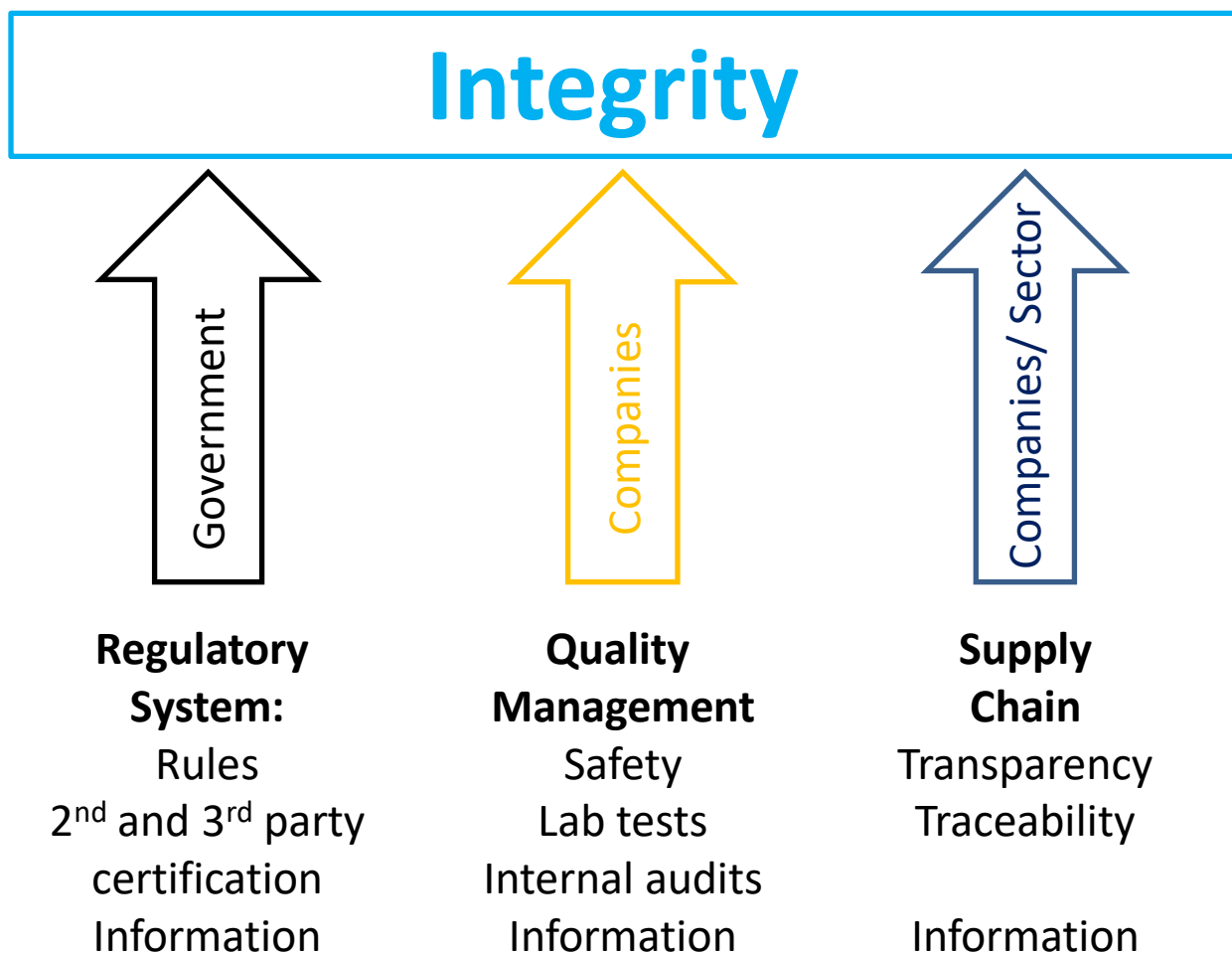
Round Table

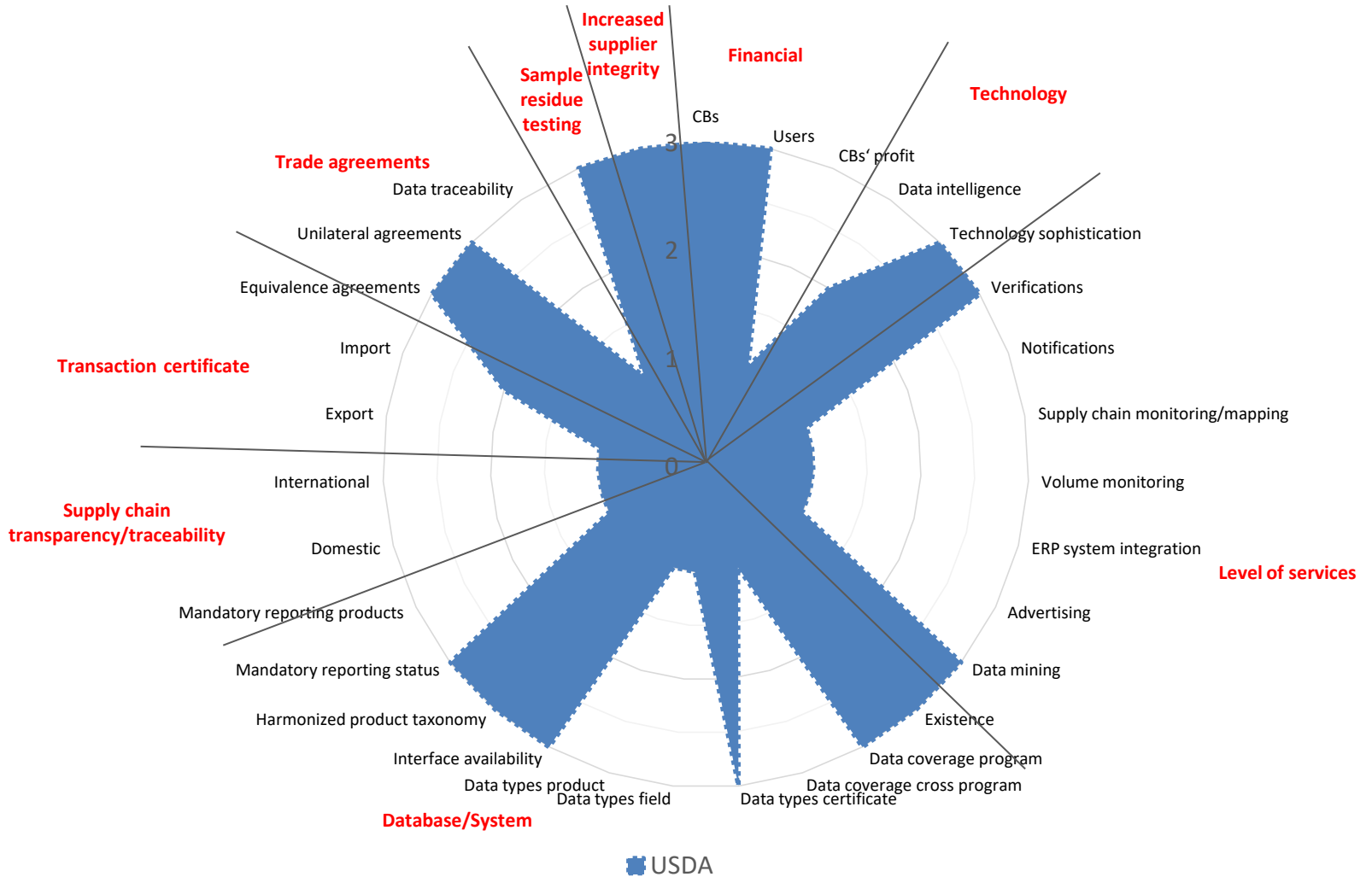
FEDERBIO ANTI-FRAUD PLATFORM,  
THE YEAR AFTER: DATA & RESULTS

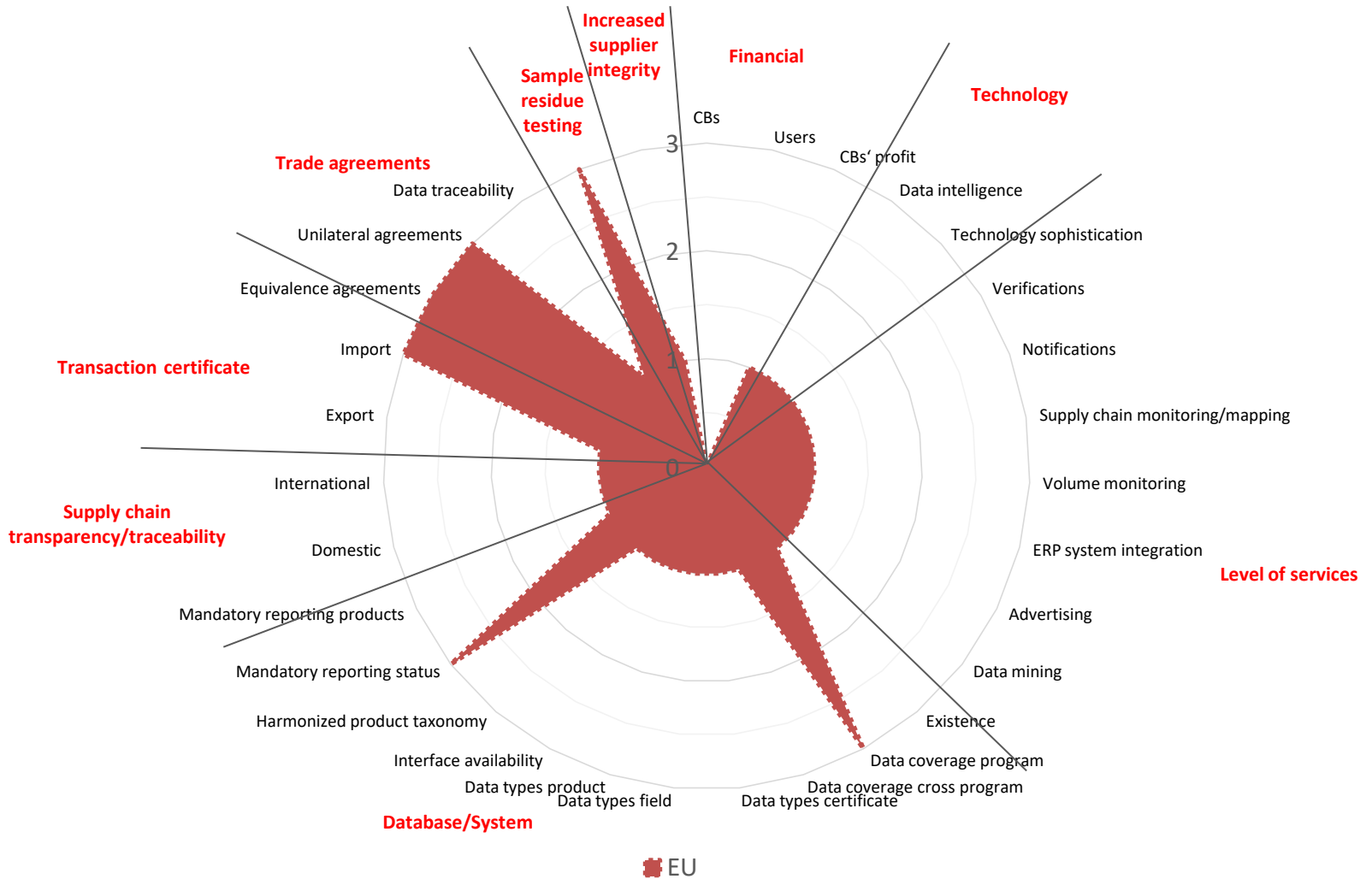
February 3, 2017, Portland

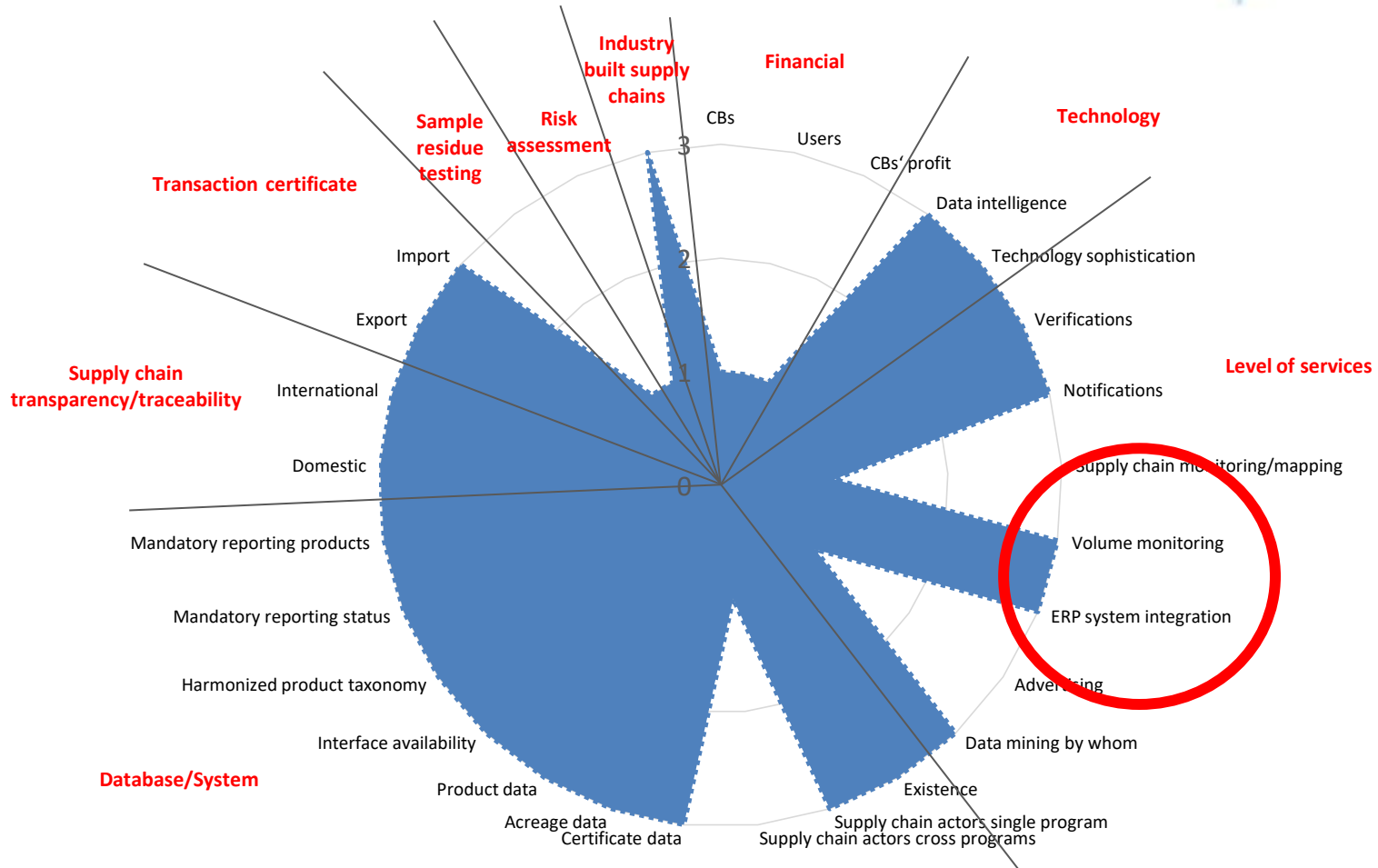


# Three dimensions of Integrity

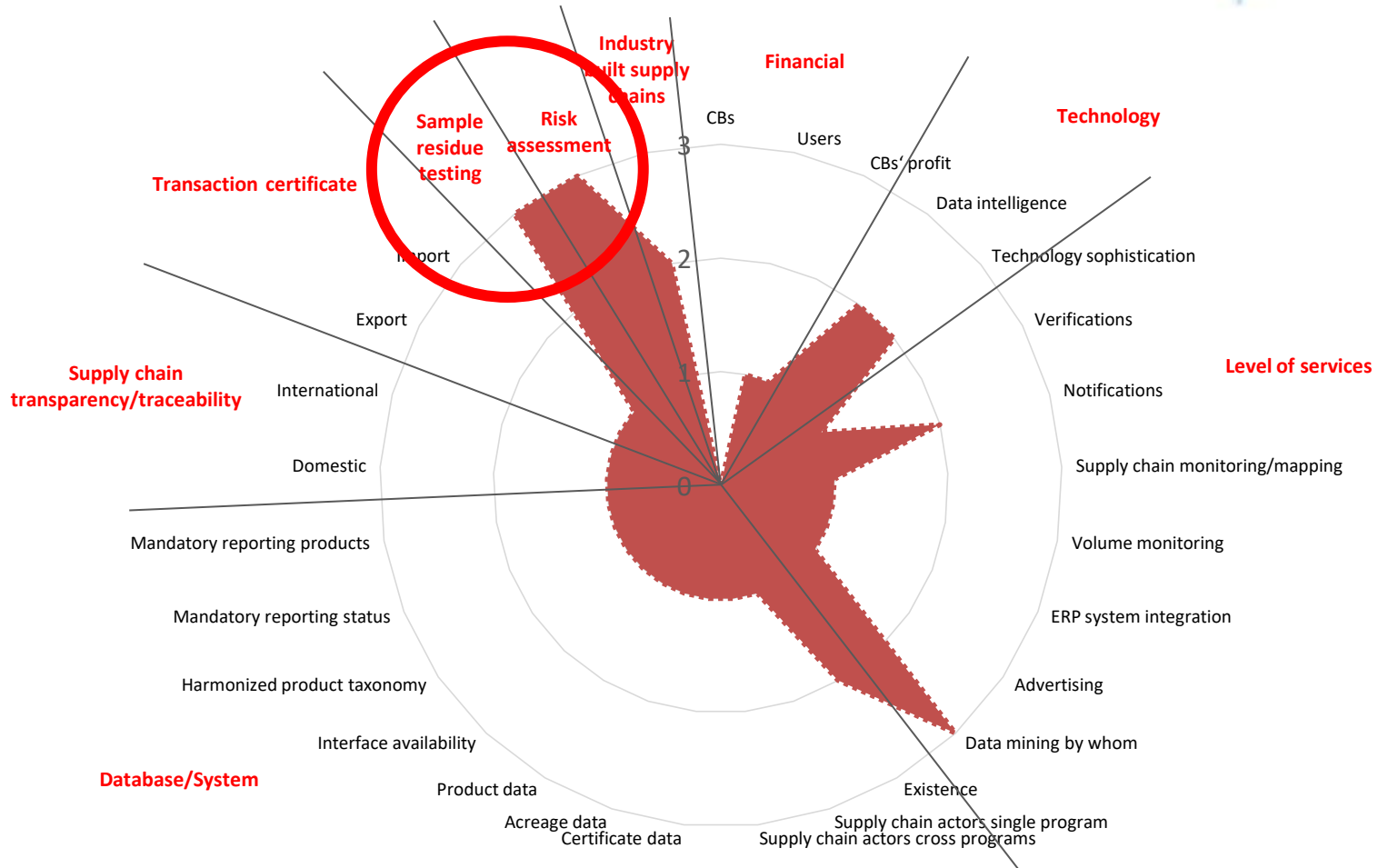








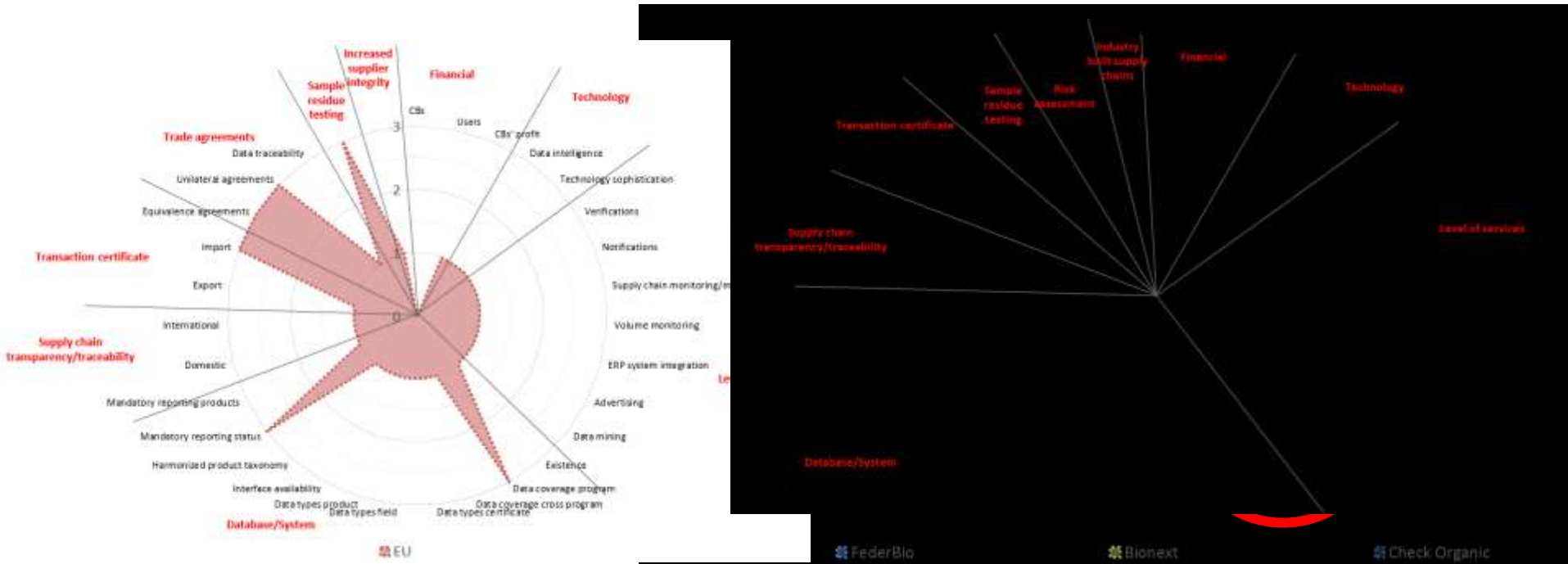
## FEDERBIO – Italian mandatory Organic (grain) Integrity Platform



## Bionext – Organic Industry Association, The Netherlands



## Regulatory systems (here: USDA) and Check Organic integrity solutions



Regulatory systems meet certain integrity indicators only. Business, services and supply chains are not part of their scope

Confidential business information is protected



# The organic market needs a new approach

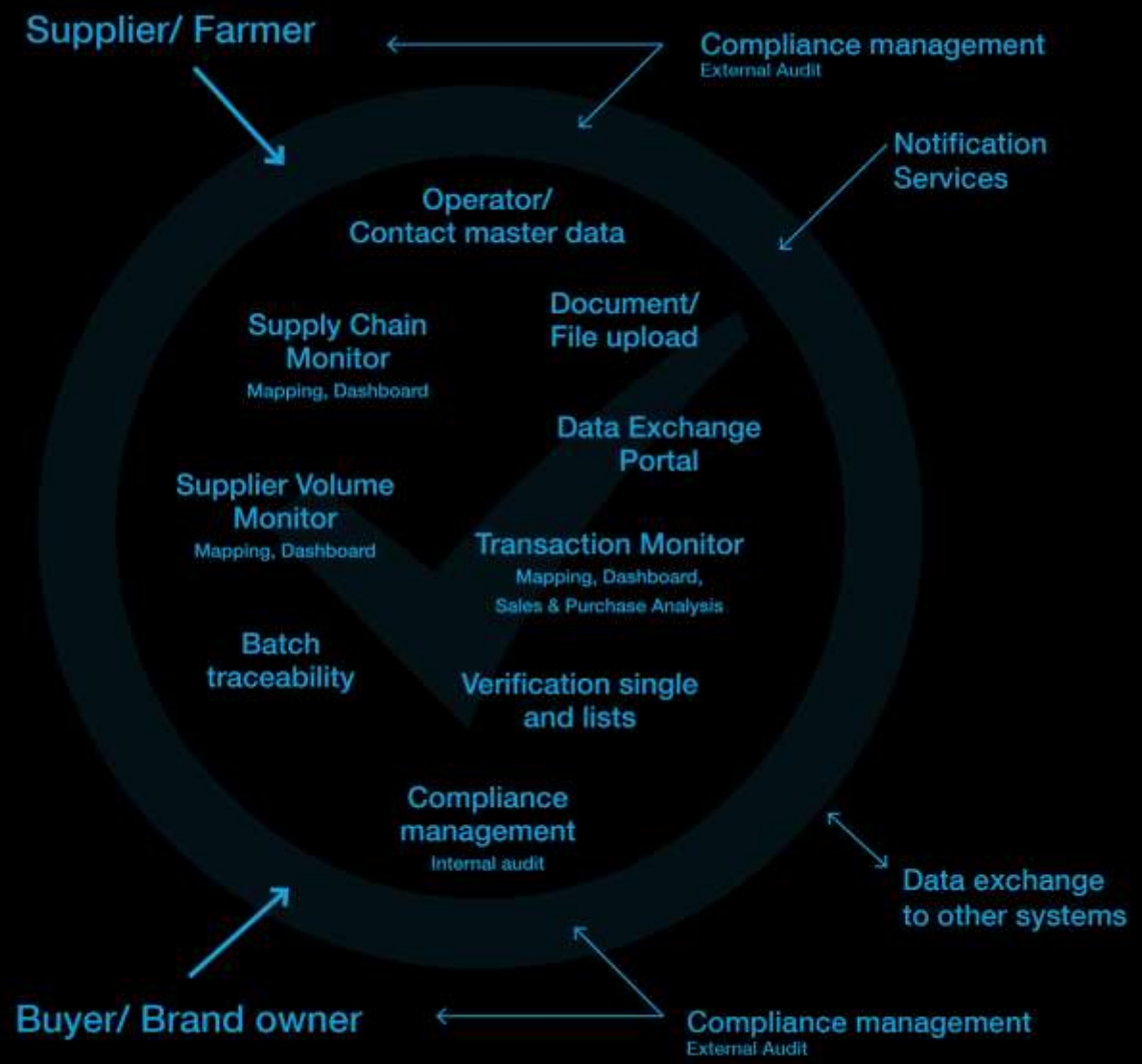
- Global, real time 24/7
- Certification statuses displayed
- Transaction-based flow of goods for single as well as sector supply chains
- Transparency while protecting confidential business information
- Supply chain integrity on local, regional and global level





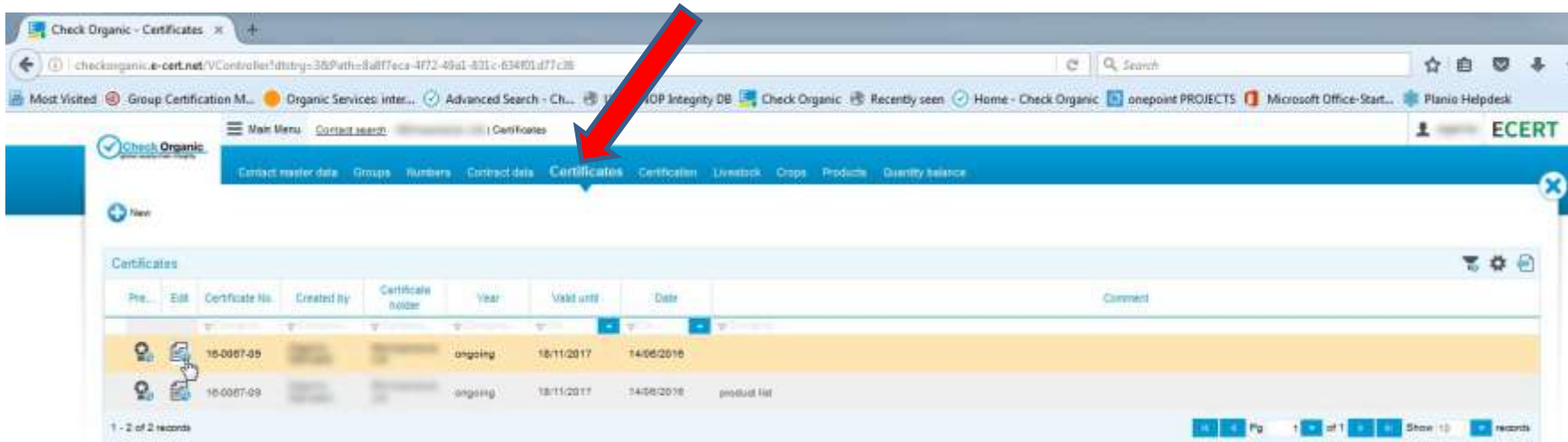
## The approach of Check Organic

- Stay informed. Make the right decisions. Real time!
- Strengthen trust in your suppliers, no 'photoshoped' certificates, no double certification
- What you need to know in one location
  - Certification data from e.g. OTCO, CCOF, ICS
  - Supply chain data through integration of ERP, e.g. SAP, NOP
  - QM data, e.g. FSMA
- Get a good handle on internal and external audits
- Keep your supply chain secure and brand strong





# Data Exchange Portal



Check Organic - Certificates

checkorganic.e-cert.net/VControler1dtsby=3859path=8aff7eca-4f72-49d1-831c-634f01d77c26

Most Visited Group Certification M... Organic Services: Inter... Advanced Search - Ch... OP Integrity DB Check Organic Recently seen Home - Check Organic onepoint PROJECTS Microsoft Office-Start... Planio Helpdesk

Check Organic

Contact master data Groups Numbers Contract data **Certificates** Certification Livestock Crops Products Quantity balance

ECERT

Certificates

Pre.	Edit	Certificate No.	Created By	Certificate holder	Year	Valid until	Date	Comment
		18-0087-09			ongoing	18/11/2017	14/06/2018	
		18-0087-09			ongoing	18/11/2017	14/06/2018	product list

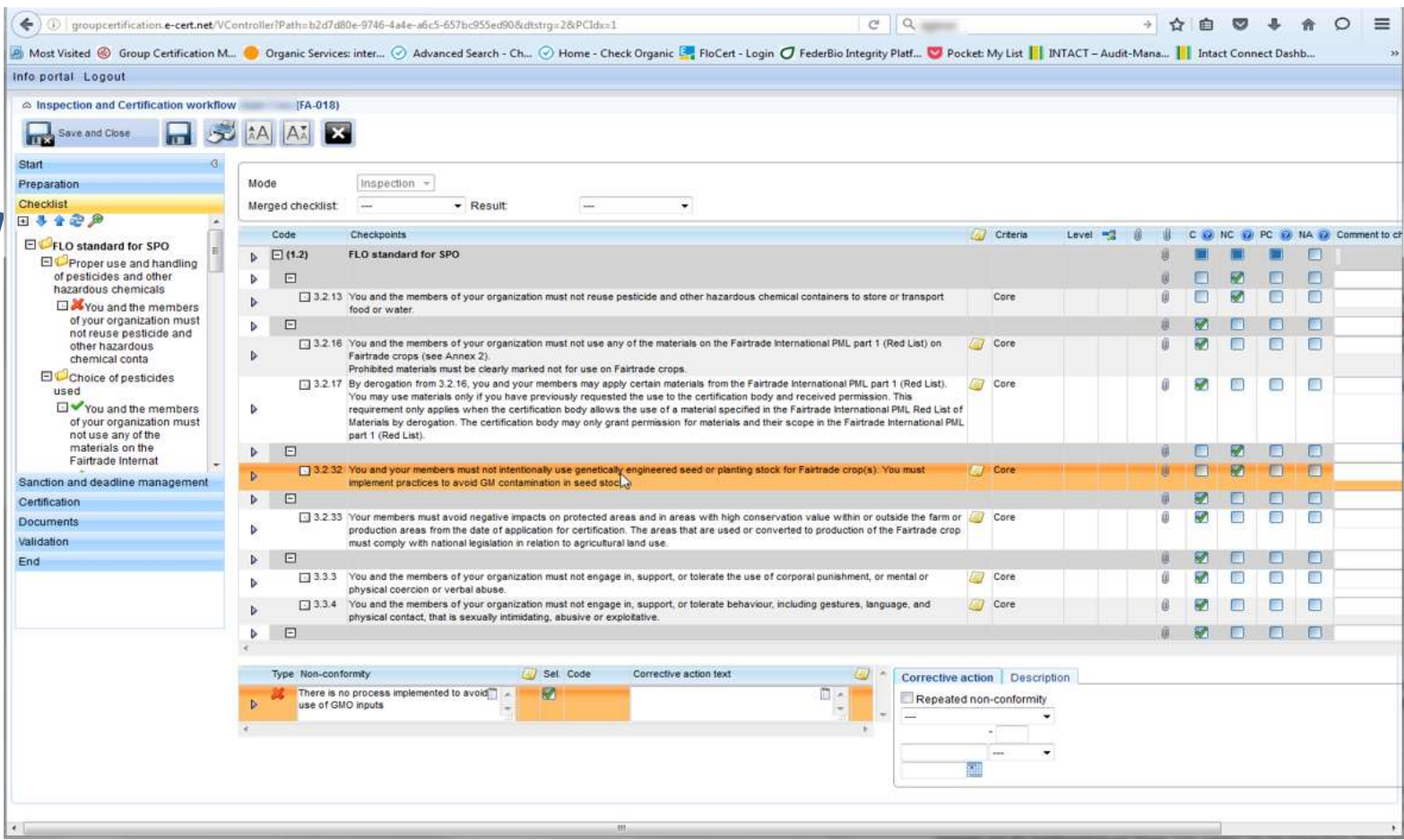
1 - 2 of 2 records

Page 1 of 1 Show 10 records

Provide documents of any kind and allow suppliers and customers to upload own data



# Internal audit management/ checklist



Mode:  Result:

Code	Checkpoints	Criteria	Level	C	NC	PC	NA	Comment to cert
(1.2)	FLO standard for SPO							
3.2.13	You and the members of your organization must not reuse pesticide and other hazardous chemical containers to store or transport food or water.	Core						
3.2.16	You and the members of your organization must not use any of the materials on the Fairtrade International PML part 1 (Red List) on Fairtrade crops (see Annex 2). Prohibited materials must be clearly marked not for use on Fairtrade crops.	Core						
3.2.17	By derogation from 3.2.16, you and your members may apply certain materials from the Fairtrade International PML part 1 (Red List). You may use materials only if you have previously requested the use to the certification body and received permission. This requirement only applies when the certification body allows the use of a material specified in the Fairtrade International PML Red List of Materials by derogation. The certification body may only grant permission for materials and their scope in the Fairtrade International PML part 1 (Red List).	Core						
3.2.32	You and your members must not intentionally use genetically engineered seed or planting stock for Fairtrade crop(s). You must implement practices to avoid GM contamination in seed stock.	Core						
3.2.33	Your members must avoid negative impacts on protected areas and in areas with high conservation value within or outside the farm or production areas from the date of application for certification. The areas that are used or converted to production of the Fairtrade crop must comply with national legislation in relation to agricultural land use.	Core						
3.3.3	You and the members of your organization must not engage in, support, or tolerate the use of corporal punishment, or mental or physical coercion or verbal abuse.	Core						
3.3.4	You and the members of your organization must not engage in, support, or tolerate behaviour, including gestures, language, and physical contact, that is sexually intimidating, abusive or exploitative.	Core						


Type: Non-conformity

Type	Non-conformity	Sel.	Code	Corrective action text
	There is no process implemented to avoid use of GMO inputs			


Corrective action:



# Verification (single search)

 **Check Organic**  
global. supply chain. integrity.

THE GLOBAL ORGANIC INTEGRITY PLATFORM

a service offered by  **Organic Services**  
synthesis. strategic. solutions.

Contact FAQ About Us Privacy Policy

Home About Benefits **Search** Services Info Centre News Contact

### ADVANCED SEARCH

Name

ID

City

Country

Certification body

**SEARCH**

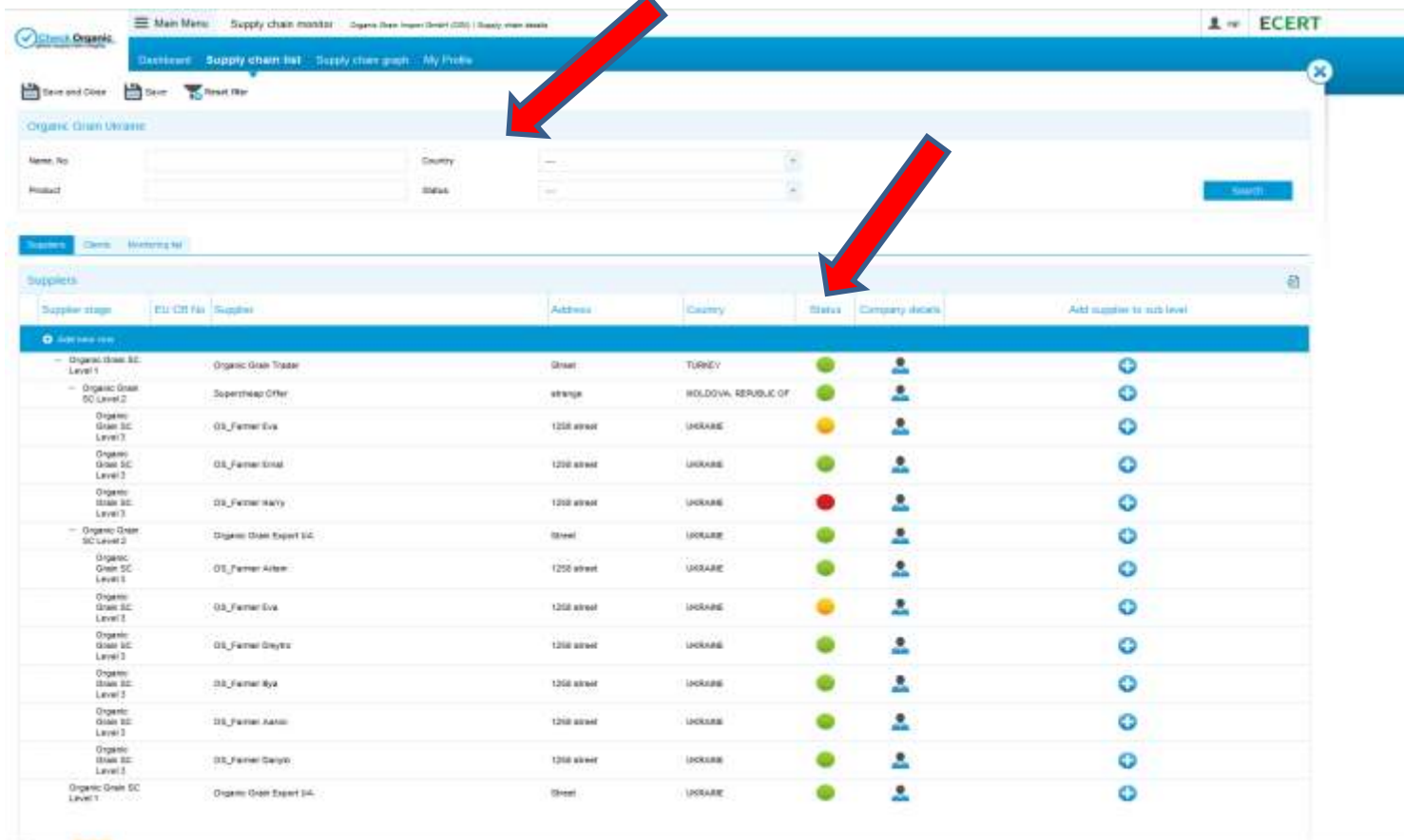
Search finished, 1959 items found.

Name	City	Country	Certification body	
Cascadia Creamery (00241243-093F-4293-9904-7B73EEB1ADC0)	98650 Trout Lake	United States	Oregon Tilth Certified Organic (OTCO)	<b>DETAILS</b>
Oregon Soap Company (005A9750-BA99-4B7D-8BF8-ABF8ACCD7F3F)	97293 Portland	United States	Oregon Tilth Certified Organic (OTCO)	<b>DETAILS</b>
Ty & Brooke Kilewer (0066530B-A3F5-47A1-A743-CAB6E445E3AF)	97603 Klamath Falls	United States	Oregon Tilth Certified Organic (OTCO)	<b>DETAILS</b>
Tuler Distribution, P.O. Box 87, Dayton, N.J. (0070683F-8810 Dayton)	8810 Dayton	United States	International Certification	<b>DETAILS</b>





# Verification (list, static)



The screenshot shows the 'Organic Grain Ukraine' section of the application. At the top, there are search filters for Name No, Country, Product, and Status. Below this is a 'Suppliers' table with columns for Supplier stage, EU CEI File, Supplier, Address, Country, Status, Company checks, and an 'Add supplier to our list' button. The table lists various suppliers such as 'Organic Grain SC Level 1', 'Organic Grain SC Level 2', and 'Organic Grain SC Level 3' with their respective details and status indicators.

Supplier stage	EU CEI File	Supplier	Address	Country	Status	Company checks	Add supplier to our list
Organic Grain SC Level 1		Organic Grain Trade	Grain	TURKEY	Green	Person icon	+
Organic Grain SC Level 2		Supercheap Order	strange	ROMANIA, REPUBLIC OF	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Eva	1258 street	UKRAINE	Yellow	Person icon	+
Organic Grain SC Level 3		OS_Farmer Enal	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Mary	1258 street	UKRAINE	Red	Person icon	+
Organic Grain SC Level 2		Organic Grain Export SC	Steel	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Arben	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Eva	1258 street	UKRAINE	Yellow	Person icon	+
Organic Grain SC Level 3		OS_Farmer Deytra	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Rya	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer AAMM	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 3		OS_Farmer Danyh	1258 street	UKRAINE	Green	Person icon	+
Organic Grain SC Level 1		Organic Grain Export SC	Steel	UKRAINE	Green	Person icon	+



The screenshot displays the Check Organic interface. At the top, there's a navigation bar with 'ECERT' and user information. Below it, a search filter section allows users to refine results by Name, Supplier, Client, and Stage. The main area features a 'Graph' showing a network of suppliers and their relationships, with a red arrow pointing to a specific node. To the right, a 'Company info' panel provides details for the selected node. At the bottom, two tables are visible: 'Suppliers' and 'Clients'. The 'Suppliers' table lists various entities with columns for Name, CO ID, Street, Postal code, and City. The 'Clients' table shows a single entry for 'Organic Grain Trust'.

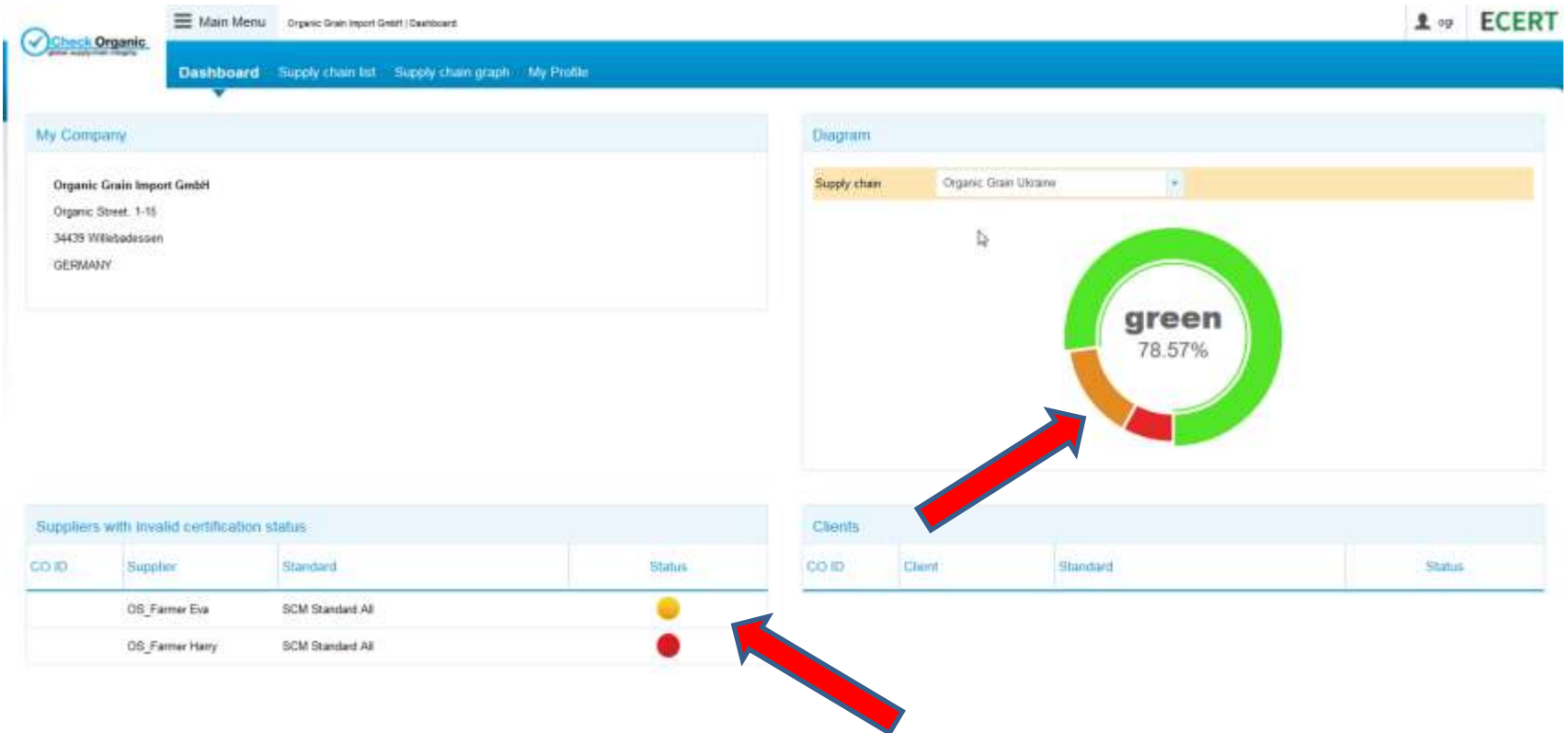
Name	CO ID	Street	Postal code	City
06_Farmer Adam	0000		1230 City	UKF
06_Farmer Bob	0000		1230 City	UKF
06_Farmer Bruce	0000		1230 City	UKF
06_Farmer Dick	0000		1230 City	UKF
06_Farmer Eric	0000		1230 City	UKF
06_Farmer Frank	0000		1230 City	UKF
06_Farmer George	0000		1230 City	UKF

Name	CO ID	Street	Postal code	City
Organic Grain Trust			1230 City	UKF

- The full supply chain is displayed including traffic lights
- Detailed supplier information is listed when double-clicking on single operator



# Supply Chain Monitor/ Dashboard



The dashboard interface for Organic Grain Import GmbH includes a navigation bar with 'Main Menu', 'Dashboard', 'Supply chain list', 'Supply chain graph', and 'My Profile'. The 'My Company' section displays the company name and address in Germany. The 'Diagram' section shows a donut chart for 'Organic Grain Ukraine' with a 'green' status and 78.57% completion. Below this, a table titled 'Suppliers with invalid certification status' lists two suppliers with yellow and red status indicators. A 'Clients' table is also visible.

CO ID	Supplier	Standard	Status
	OS_Farmer Eva	SCM Standard All	Yellow
	OS_Farmer Harry	SCM Standard All	Red

CO ID	Client	Standard	Status
-------	--------	----------	--------

The dashboard provides an easy overview about certificates pending or withdrawn





# Supplier Volume Monitor – introducing product integrity status based on transactions

Master data Flowweb Import logs Options Logout

My Suppliers - Utente: Admin - Filtri: Processor T 01 Organic Grain Export UA

Processor Farmer Numbers Contracts IP deliveries overview Deliveries from traders Recipes Processing Outgoing Goods Stocktaking Inventory Storage journal Quantity balance My Suppliers Export contacts

Season: 2015 Supplier: Productgroup: Product:

Certification status supplier: Integrity status supplier:

Certification status products: Integrity status product:

Search

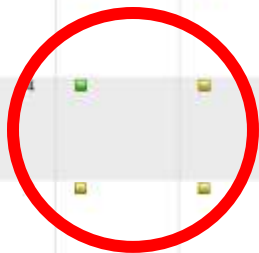
**Certification status:**

- All products have a valid certification.
- One or more products have pending certification.
- No product has a valid certification.
- No data submitted by CB.

**Integrity status:**

- The delivered amount is compliant with CB data.
- At least one delivery exceeds CB data.
- The delivered amount exceeds CB data and the tolerance.
- No data submitted by CB.

Season	Name	Address	Number of deliveries in season	Certification status	Integrity status	Intrastat ID	Productgroup	Product ID	Product description	Delivered amount	Bio/Conv	Number of Deliveries	Certification status	Integrity status
2015	OS_Farmer Aaron	City street	4	■	■	10011900	10011900- Durum		Durum wheat	103 220 kg	Bio	1	■	■
						10051090	10051090-Maize (r		Maize (com)	97 320 kg	Bio	1	■	■
						12019000	12019000-Soy be:		Soybeans	184 484 kg	Bio	1	■	■
						12060010	12060010-Sunflow		Sunflower seed	169 320 kg	Bio	1	■	■
2015	OS_Farmer Artem	City street	4	■	■	10011900	10011900- Durum		Durum wheat	303 973 kg	Bio	1	■	■
						10051090	10051090-Maize (r		Maize (com)	1 131 429 kg	Bio	1	■	■
						12019000	12019000-Soy be:		Soybeans	334 590 kg	Bio	1	■	■
						12060010	12060010-Sunflow		Sunflower seed	147 587 kg	Bio	1	■	■
2015	OS_Farmer Eva	City street	4	■	■	10011900	10011900- Durum		Durum wheat	542 926 kg	Bio	1	■	■
						10051090	10051090-Maize (r		Maize (com)	1 122 229 kg	Bio	1	■	■
						12019000	12019000-Soy be:		Soybeans	334 590 kg	Bio	1	■	■
						12060010	12060010-Sunflow		Sunflower seed	147 587 kg	Bio	1	■	■
2015	OS_Farmer Ilyia	City street	4	■	■	10011900	10011900- Durum		Durum wheat	103 220 kg	Bio	1	■	■
						10051090	10051090-Maize (r		Maize (com)	97 320 kg	Bio	1	■	■
						12019000	12019000-Soy be:		Soybeans	184 484 kg	Bio	1	■	■
						12060010	12060010-Sunflow		Sunflower seed	169 320 kg	Bio	1	■	■





# Supplier Volume Monitor – transactions of two companies do not match

## Inventory

Logout

Product: Fostsystem

Inventory overview | Delivery box labels | Receipts | Processing | Ongoing deals | Stocking | Inventory | Storage journal | Quality status | My Stockers | Export contacts

Warehouse: Supercheap Offer | Storage: | Product: INTRAGRO products | G-programme: |

QP Status: | Batch number: | Search

Storage section	Store	Product	Quantity	Batch Number	Harvest season	Integrity status
Supercheap Offer DC1		Soybeans, Bt	570 568 kg	CH380	2015	<span style="color: red;">■</span>
Supercheap Offer DC1		Durum wheat, Bt	528 763 kg	CH378	2015	<span style="color: red;">■</span>
Supercheap Offer DC1		Maze (corn), Bt	881 118 kg	CH383	2015	<span style="color: red;">■</span>
Supercheap Offer DC1		Sudflower seed, Bt	295 174 kg	CH383	2015	<span style="color: red;">■</span>
Supercheap Offer 2133-R		Maze (corn), Bt	420 868 kg	CH381	2015	<span style="color: red;">■</span>

3 684 485 kg

100 000 000 (Page 1 of 1) Hits: 5

Because of differences in quantities both integrity status are turning red

The certifier can clarify the situation – if ok, the status turns green again.

## Supplier overview

Product: Fostsystem

Inventory overview | Delivery box labels | Receipts | Processing | Ongoing deals | Stocking | Inventory | Storage journal | Quality status | My Stockers | Export contacts

Search: Supplier: | Product group: | Product: |

Certification status supplier: | Integrity status supplier: |

Certification status products: | Integrity status product: | Search

**Certification status:**

- All products have a valid certification
- One or more products have pending certification
- No product has a valid certification
- No data submitted by CS

**Integrity status:**

- The delivered amount is compliant with CS data
- At least one delivery exceeds CS data
- The delivered amount exceeds CS data and the tolerance
- No data submitted by CS

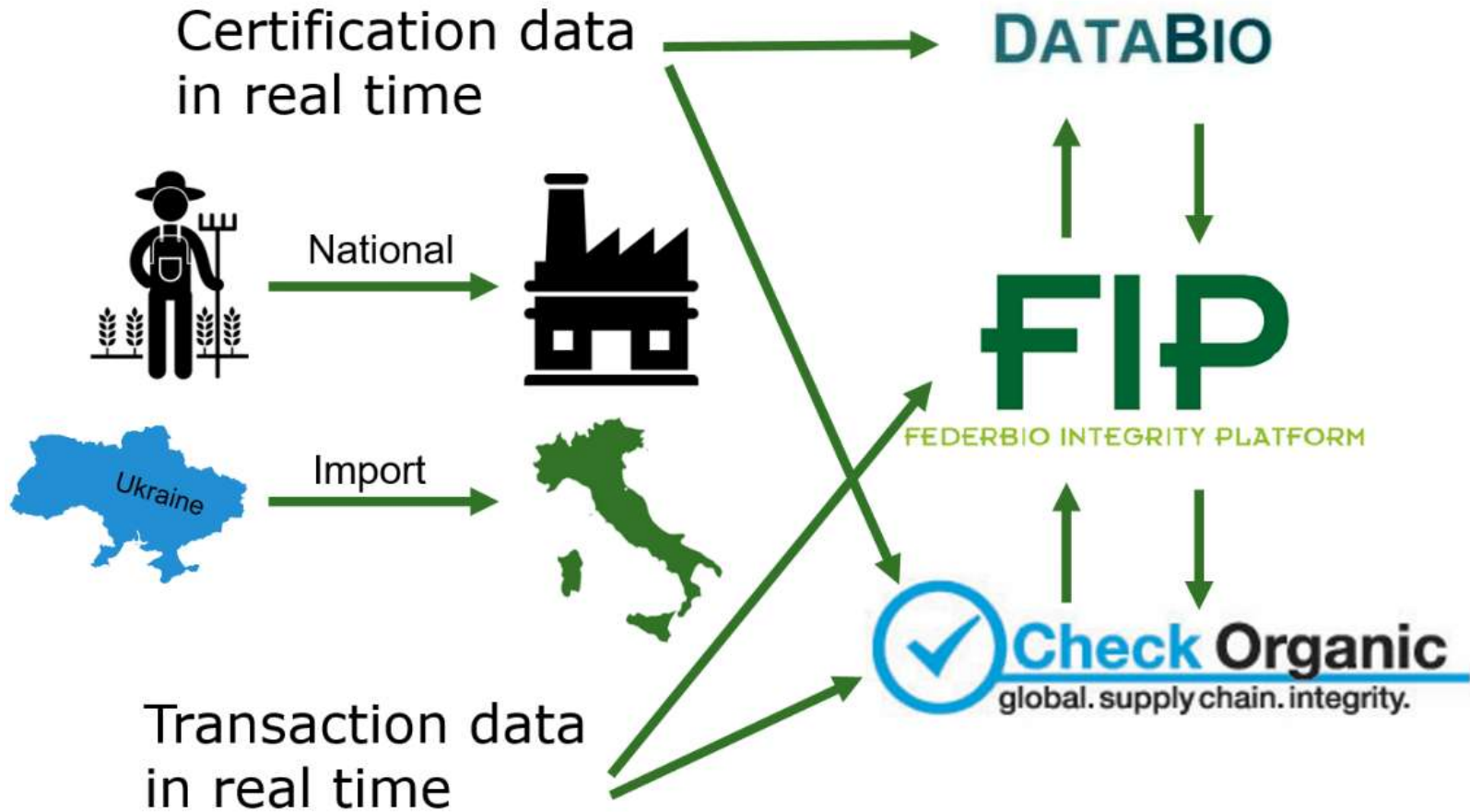
Year	Supplier Name	Address	Number of deliveries	Certification status	Integrity status	Harvest season	Product group	Product ID	Product description	Delivered amount	No. Certificates	Certification status	Integrity status
2015	Organic Cash Exp. 12345 City 01, Street 01		4	<span style="color: green;">■</span>	<span style="color: red;">■</span>		INTRAGRO	4001180	Durum wheat	1 200 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								4001088	Maze (corn)	2 800 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								100190007	Soybeans	1 500 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								100500118	Sudflower seed	300 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
2015	Supercheap Offer	Capetown Storage	4	<span style="color: green;">■</span>	<span style="color: red;">■</span>		INTRAGRO	4001180	Durum wheat	200 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								4001088	Maze (corn)	1 200 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								100190007	Soybeans	500 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>
								100500118	Sudflower seed	300 800 kg (Bt)	1	<span style="color: green;">■</span>	<span style="color: red;">■</span>



FIP no longer optional



**If you want to be part of this value chain,  
then you **must** join FIP**







## Imports



### Field area size

100% certified field areas + Import - How much could be produced/ is produced based on the certified area?



### Harvested amount

Estimated or real - How much is entering the market?



### Traded amount

Transaction data from companies' business management systems - How much is moving along the supply chain?



### Mass balance

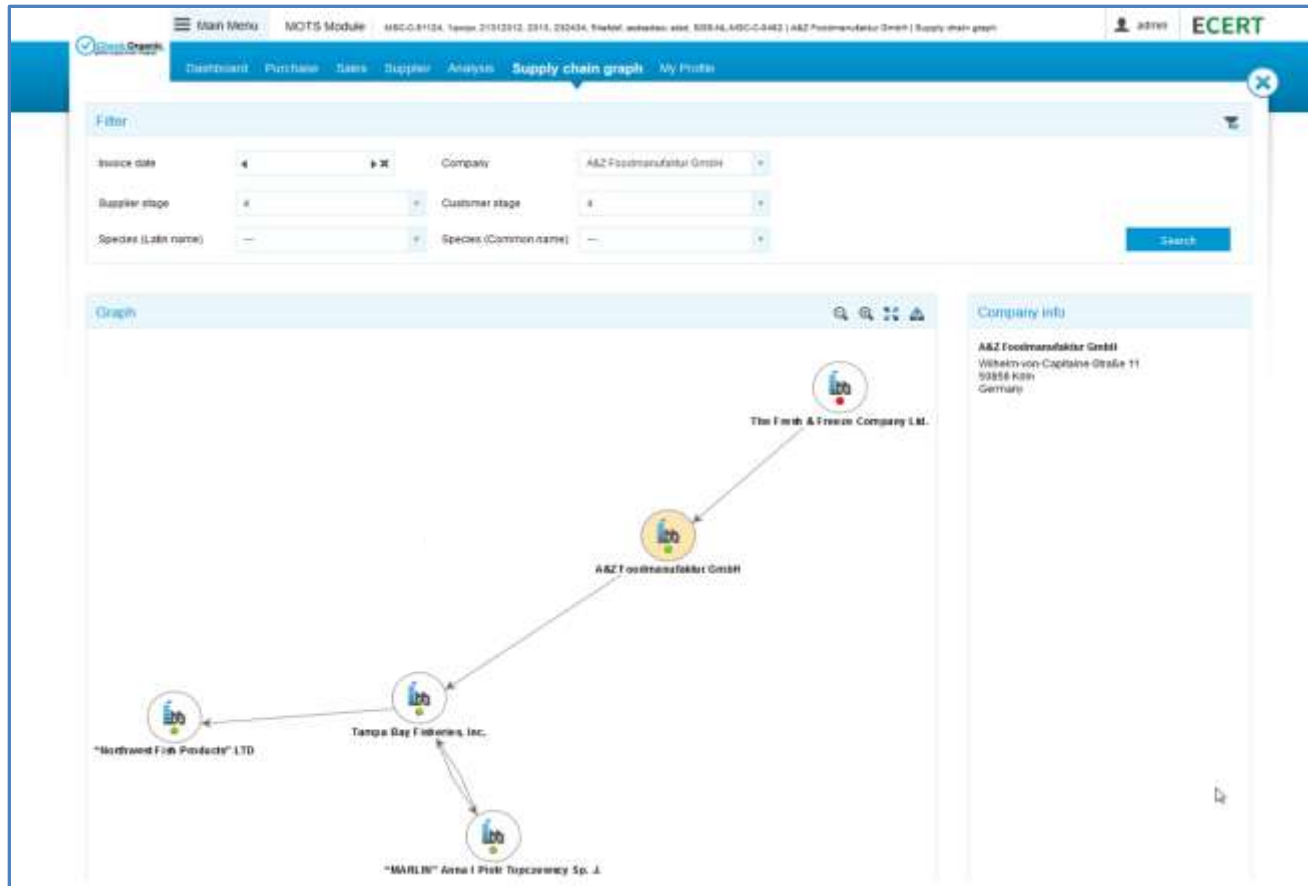
Is what comes in, what goes out?

As of 1 Dec 2016:

- 91 Traders
- 63,046 Farmers
- Over 200,000 tonnes of grain



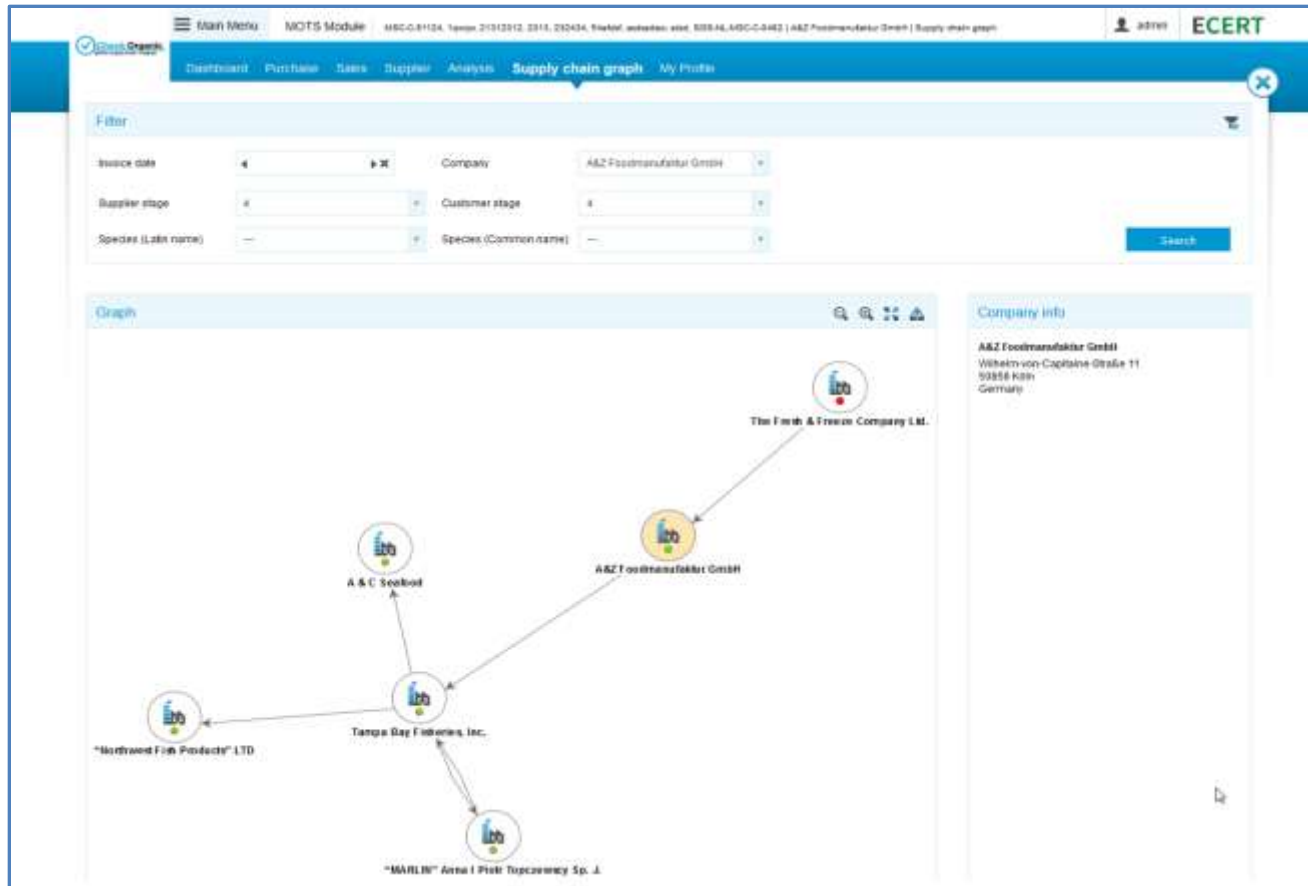
# Transaction Monitor/ Dynamic Mapping



Based on delivery notes the supply chain map is created dynamically.



# Transaction Monitor/ Dynamic Mapping



Based on delivery notes the supply chain map is created dynamically.



# Notification service

- Mail notifications are part of the information system between operators along the supply chain and with certification bodies.
- Mails are generated automatically by Check Organic.
- Push mails are sent in case of changes, e.g.
  - certification status,
  - change of products
  - integrity status and
  - any other necessary need for keeping parties informed.





# Data exchange

- Interfaces/ web-services can be programmed for any purpose, e.g. to
  - Enterprise Resource Planning (ERP) systems, e.g. SAP
  - Organic Integrity Databases, e.g. NOP, Check Organic, certifier
  - Batch Traceability systems
  - Other databases
- Other ways of data exchange is through
  - Data exchange portal with data entry
  - Excel file export and upload



## The way forward to an EU wide integrity

- If the EU and or Member States would want to fight fraud the technology is ready to go.
- All control bodies would have to make detailed data on acreage, products (and estimated yields) available in a central database
- Trade, processors and other stakeholders of the supply chain would have to make transaction data available
- Together with an import surveillance system and or a global database even import could be part of such mass balance



# Contact

**Gerald A. Herrmann, Director**

mobile: +49 177 5521460

[g.herrmann@organic-services.com](mailto:g.herrmann@organic-services.com)

[www.organic-services.com](http://www.organic-services.com)

[www.check-organic.com](http://www.check-organic.com)

[www.group-integrity.com](http://www.group-integrity.com)

[www.ecert-basic.com](http://www.ecert-basic.com)