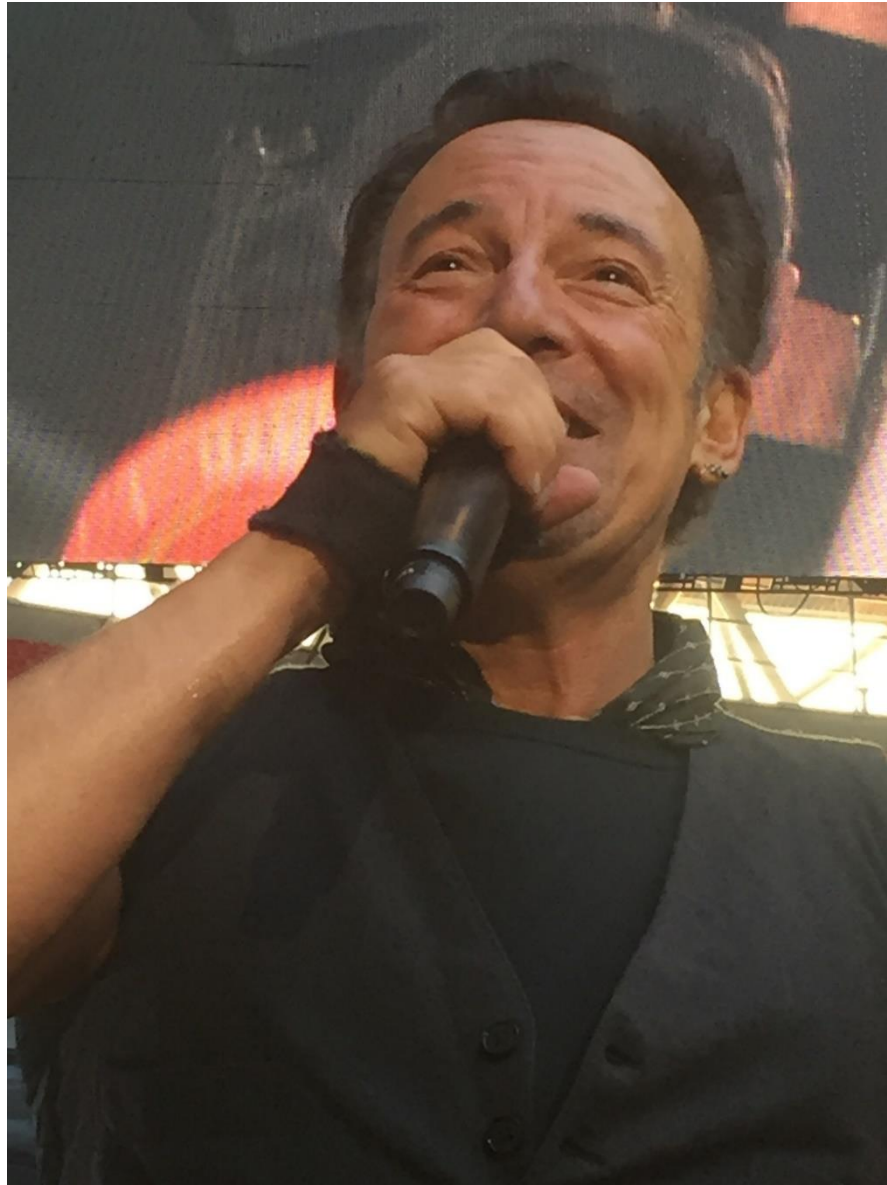


Responsible Care update & 2022 KPIs

**Prepared by: Evert de Jong & Steve Rowland
Dusseldorf, 16 November 2023.**






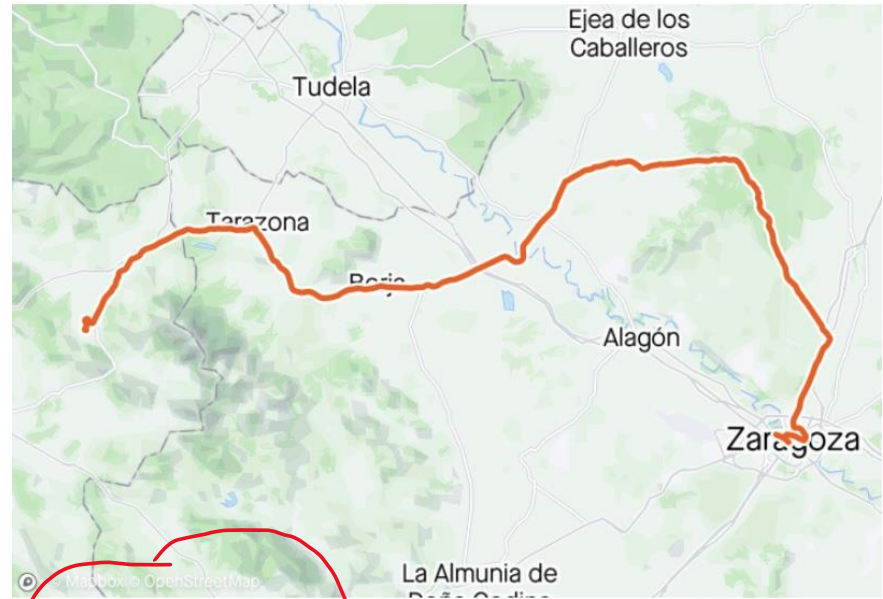



 **Dylan van Baarle** ⋮
 Yesterday at 1:58 PM · Ólvega, Spain




La Vuelta 2023 - Stage 12

Distance | Elev Gain | Time | Achievements
99.41 mi | 2,897 ft | 3h 42m |    17

 **Dylan just became the KOM on Puente Unión !**



 You and 2,677 others gave kudos



The Chemical Logistics Association



2022 RC KPI REPORTS

2022 KPI FORM - TRANSPORT

Company Name		2022
Email address of your company RC lead & main contact		
Period (Year)		
1. Number of <i>million km's</i> operated in the reported year for chemical goods transportation in Europe		
2. Number of Moves (Orders) in the reported year year		
3. Tonnes carried in the reported year		
4. Number of Drivers and other staff (as per 31-12-2022)		
4.1 Number of Drivers - incl. Subcontractors		
4.2 Number of own employees (other than drivers)		
5. Mode of transport used (loaded equipment only) in percentages		
Road		
Intermodal		
Total		0%
6. Incidents		
INCIDENTS WHILST IN TRANSIT		

Summary current situation:

1. Better discipline in meeting the reporting deadline
2. Chapter 8 Emissions Calculations:
for 2021: 27 completed (optional item)
for 2022: all completed (mandatory)

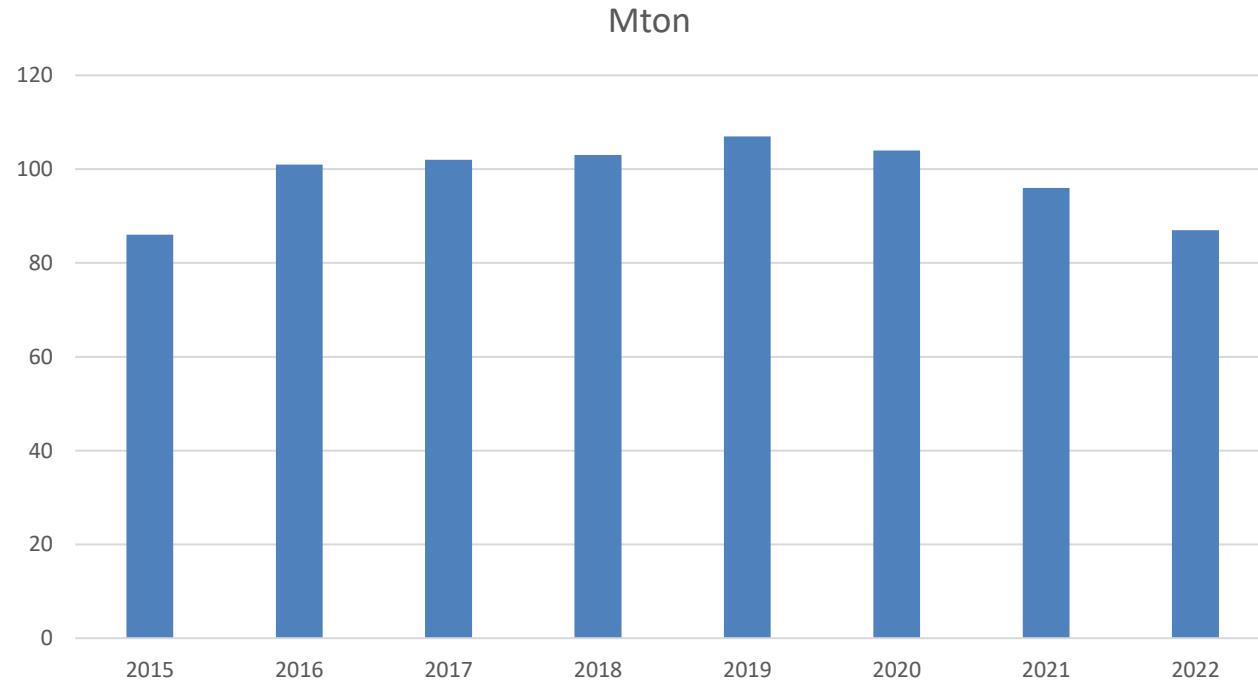
But: lack of uniformity >>> we urgently need the updated calculation guideline!

The Total must be

2022 RC KPI REPORTS

A. Tonnage carried by ECTA RC members (Mton)

	Mton
2015	86
2016	101
2017	102
2018	103
2019	107
2020	104
2021	96
2022	87

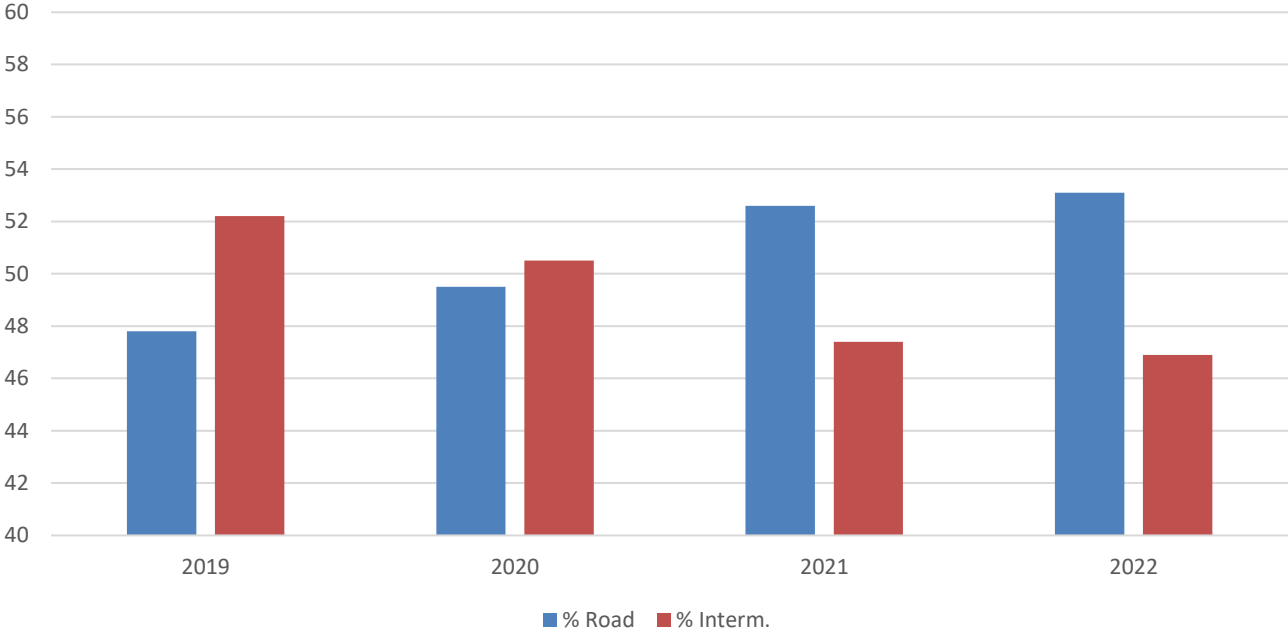


Note: tonnage going down during past 4 years

2022 RC KPI REPORTS

tonkilometers	% Road	% Interm.
2019	47,8	52,2
2020	49,5	50,5
2021	52,6	47,4
2022	53,1	46,9

Percentages TonKms Road vs. Intermodal

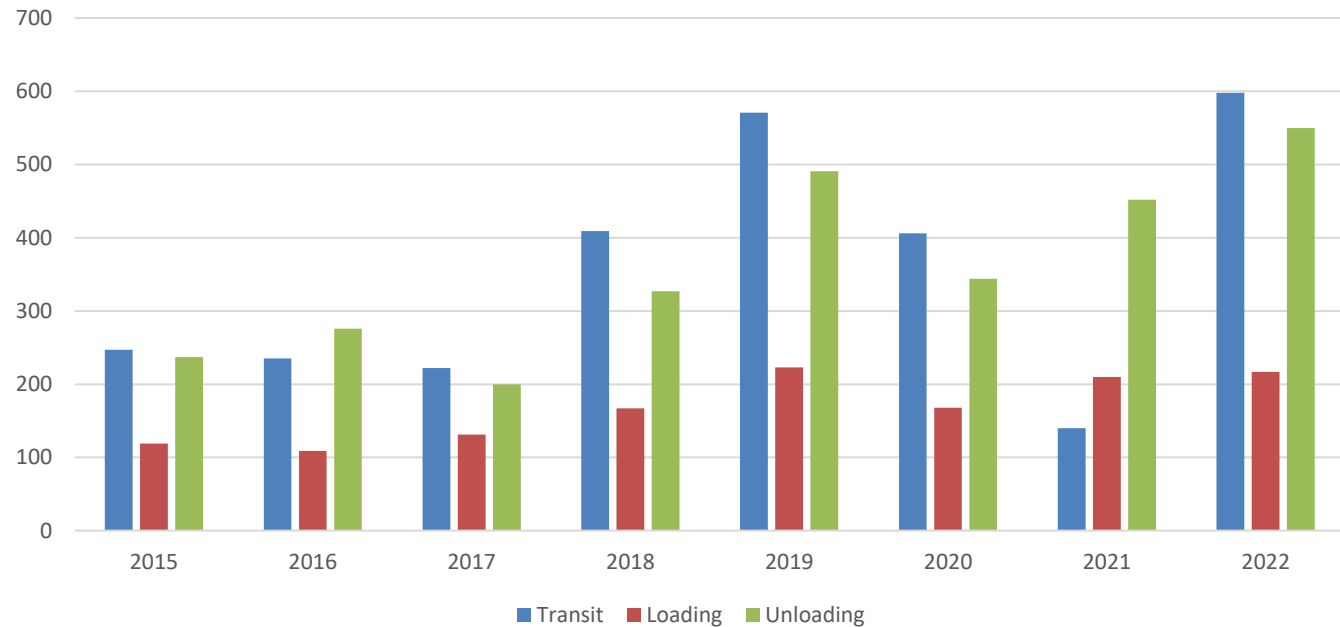


Note: downward trend intermodal tonnage continues

2022 RC KPI REPORTS

total incidents	Transit	Loading	Unloading
2015	247	119	237
2016	235	109	276
2017	222	131	200
2018	409	167	327
2019	571	223	491
2020	406	168	344
2021	140	210	452
2022	598	217	550

Incident Totals



Note: incident categories of In Transit back to before 2021

2022 RC KPI REPORTS

total injury incidents			
	Transit	Loading	Unloading
2015	82	72	102
2016	62	49	98
2017	54	57	86
2018	78	56	106
2019	64	51	114
2020	44	43	89
2021	61	58	103
2022	58	47	94

Injury Incident Totals



Note: 2022 totals slightly improving compared to 2021

2022 RC KPI REPORTS

Additional comments:

1. The incident data in the previous slides were consolidated from the 2022 KPI reports, sent in by ECTA's RC members
2. The ECTA RC KPI forms require the number of incident totals. Criteria are given per type of incident.
3. No incident reports are shared by our members to the ECTA team. Consequently we are not involved in root cause analysis and also do not have insight in which specific loading/unloading sites are worst performers on HSE aspects.

THE 2023 EXPERIENCE: 1-HOUR WEBINARS




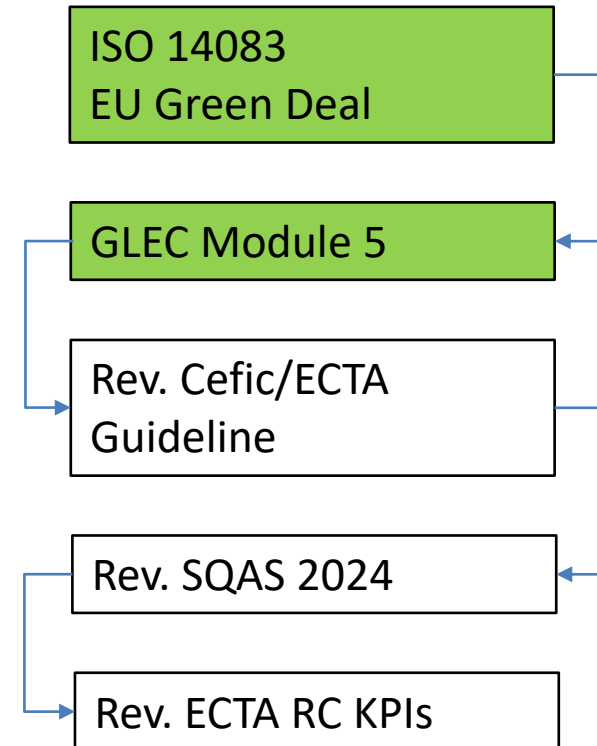
- 09.03.2023** HOW TO BEST IMPLEMENT A CO2 EMISSION CALCULATION TOOL?
- 21.06.2023** HOW TO PREPARE AS CARRIER FOR THE EU GREEN DEAL DIRECTIVE
- 28.06.2023** HOW TO ENABLE AUTOMATED DATA EXCHANGE IN BULK CHEMICAL LOGISTICS
- 10.10.2023** DIGITALIZATION OF FREIGHT DOCUMENTS
- 24.10.2023** GETTING EMISSIONS DOWN: THE HYDROGEN SOLUTION
- 28.11.2023** NAVIGATING THROUGH THE CHALLENGES OF SWITCHING TO INTERMODAL FREIGHT

AVERAGE > 100 REGISTRATIONS PER WEBINAR

THE NEW RC KPI FORMS

2023 The reporting forms have been minimally changed

2024  We need to know the changes caused by:
EU Directives / ISO 14083 / GLEC Module 5 /
Cefic-ECTA Guideline / SQAS 2024 revision



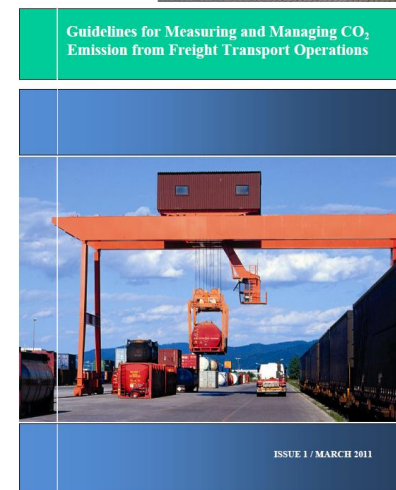
BEST PRACTICE GUIDELINES



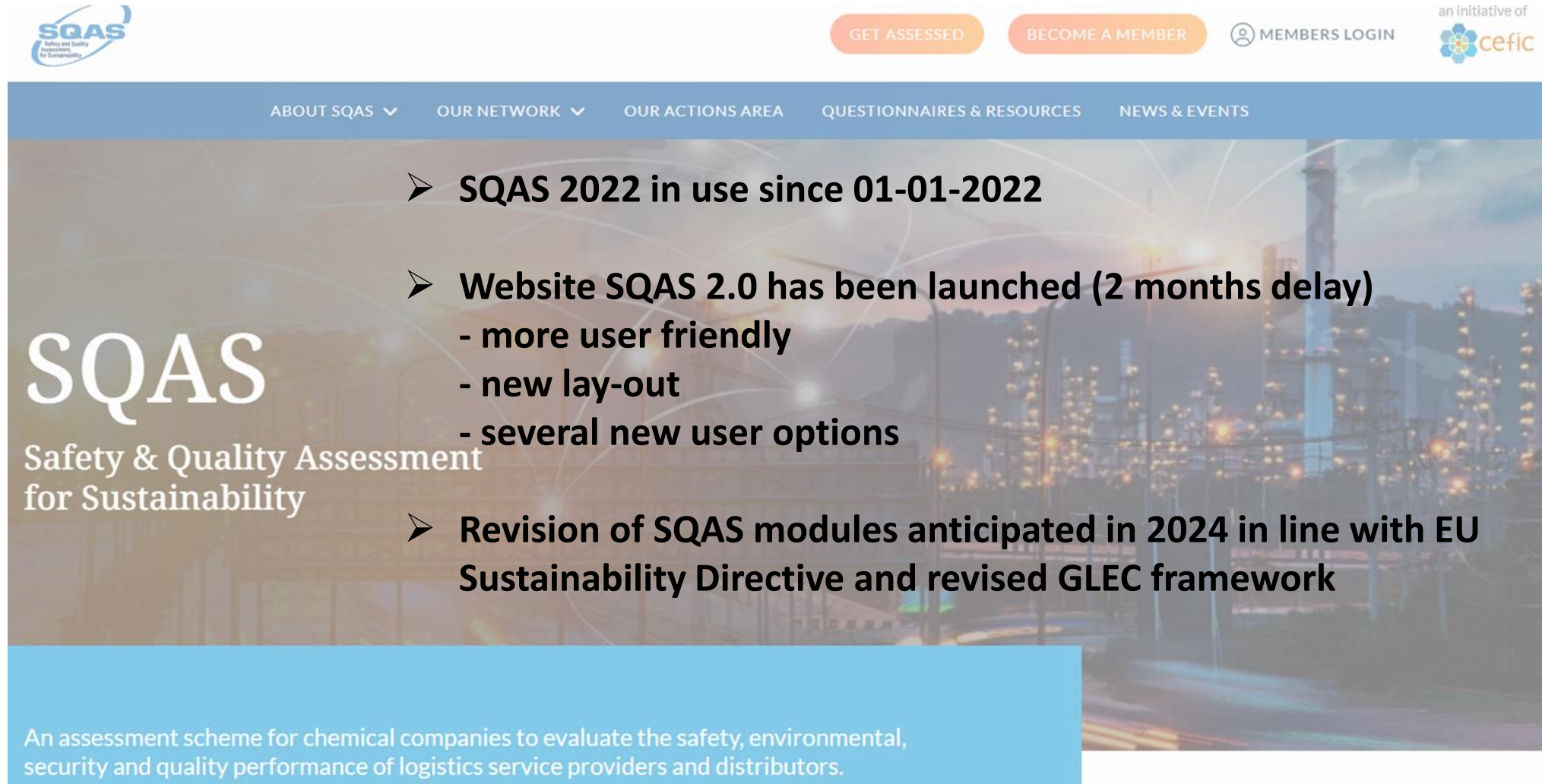
- Several guidelines are due for revision
- Cefic have published a programme for these
- The **emissions calculation** guideline and the **working at height** guideline are to be progressed as a priority which ECTA support



Issue 1 – November 2012



ISSUE 1 / MARCH 2011



The screenshot shows the SQAS website homepage. At the top left is the SQAS logo with the tagline 'Safety and Quality Assessment for Sustainability'. To the right are two orange buttons: 'GET ASSESSED' and 'BECOME A MEMBER', followed by a 'MEMBERS LOGIN' link with a user icon. Further right is the 'an initiative of cefic' logo. Below the header is a navigation bar with links: 'ABOUT SQAS', 'OUR NETWORK', 'OUR ACTIONS AREA', 'QUESTIONNAIRES & RESOURCES', and 'NEWS & EVENTS'. The main content area features a large background image of an industrial facility at night. On the left, the text 'SQAS Safety & Quality Assessment for Sustainability' is displayed. On the right, there are three bullet points with arrowheads. At the bottom left, a blue box contains a descriptive sentence.

SQAS
Safety & Quality Assessment
for Sustainability

- **SQAS 2022 in use since 01-01-2022**
- **Website SQAS 2.0 has been launched (2 months delay)**
 - more user friendly
 - new lay-out
 - several new user options
- **Revision of SQAS modules anticipated in 2024 in line with EU Sustainability Directive and revised GLEC framework**

An assessment scheme for chemical companies to evaluate the safety, environmental, security and quality performance of logistics service providers and distributors.

ECTA ZERO EMISSION KNOWLEDGE PLATFORM

<https://knowledgeplatform.ecta.com/>




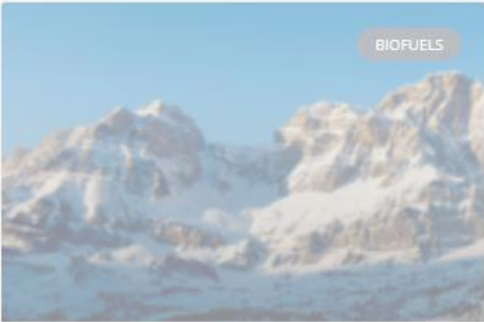

ECTA ZERO EMISSION KNOWLEDGE PLATFORM

The aim is to provide and exchange knowledge relevant for Logistic Companies to work towards the emissions targets of 2030 and 2050.

Content Library for Articles/Studies on:

- Trucks
- Emission Calculation and Methods
- Biofuels
- Reports
- Legislation

LATEST ENTRIES

 <p>BIOFUELS</p>	 <p>BIOFUELS</p>	 <p>CALCULATION METHODS</p>
<p>ECTA ZEKP WEBINAR “ZERO EMISSION: DETAILS OF HYDROGEN USE IN HEAVY GOODS VEHICLES” PRESENTATIONS</p> <p>ECTA, in cooperation with Lhyfe.com and Haesaerts Intermodal hosted a free webinar on “Zero Emission: Details of hydrogen use in heavy goods vehicles”. View presentations</p> <p>READ MORE »</p>	<p>GEOLOGICAL SETTING OF NATURAL “GOLD” HYDROGEN IN THE PYRENEES AND IMPLICATIONS FOR EXPLORATION WORLDWIDE</p> <p>Helius Aragon shared a presentation on Geological Setting of Natural “Gold” Hydrogen in the Pyrenees and Implications for Exploration Worldwide. They clarify the differences in hydrogen</p> <p>READ MORE »</p>	<p>UPDATED GLEC FRAMEWORK, VERSION 3.0</p> <p>Smart Freight Centre published the updated GLEC Framework Version 3. View now! Source: Smart Freight Centre View now Download</p> <p>READ MORE »</p>
<p>October 25, 2023</p>	<p>October 11, 2023</p>	<p>September 27, 2023</p>

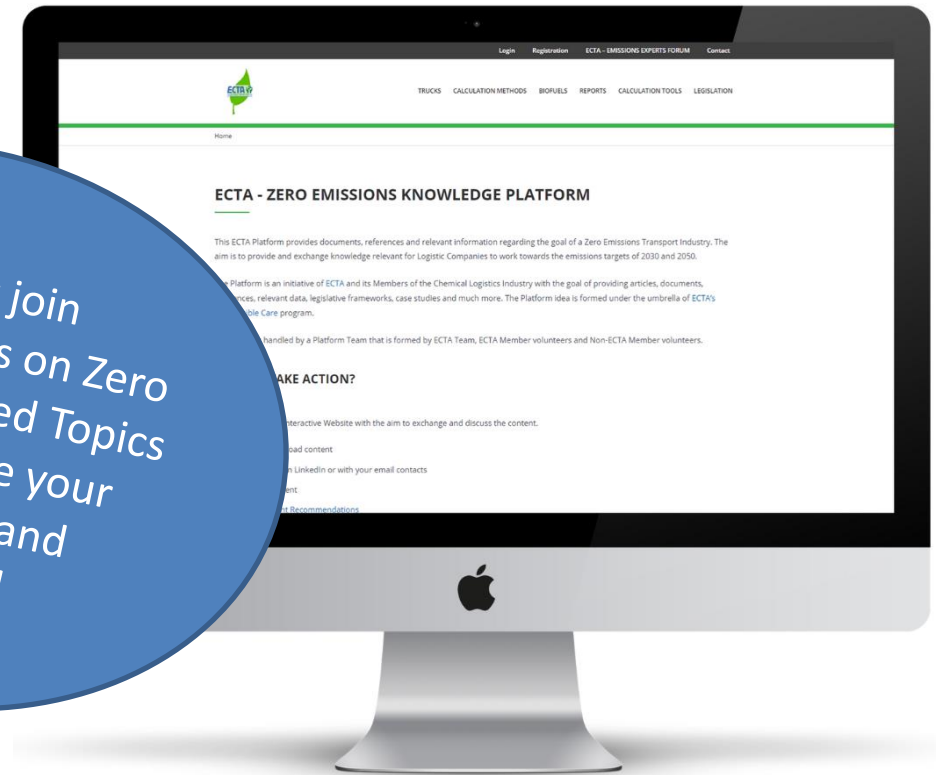


ECTA ZERO EMISSION KNOWLEDGE PLATFORM

How to take action on the Platform?

- Read and download content
- Share content on LinkedIn or with your contacts
- Comment Content
- Send in Content Recommendations
- Discuss and interact in the Platform`s Forum

Start or join
Conversations on Zero
Emission related Topics
and exchange your
experience and
expertise!

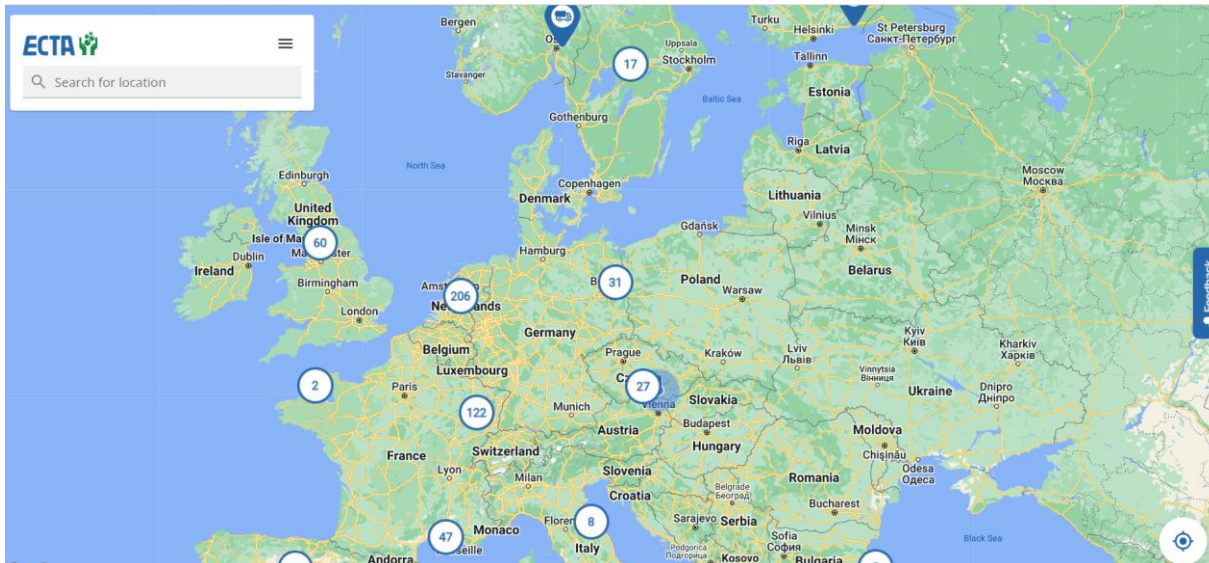


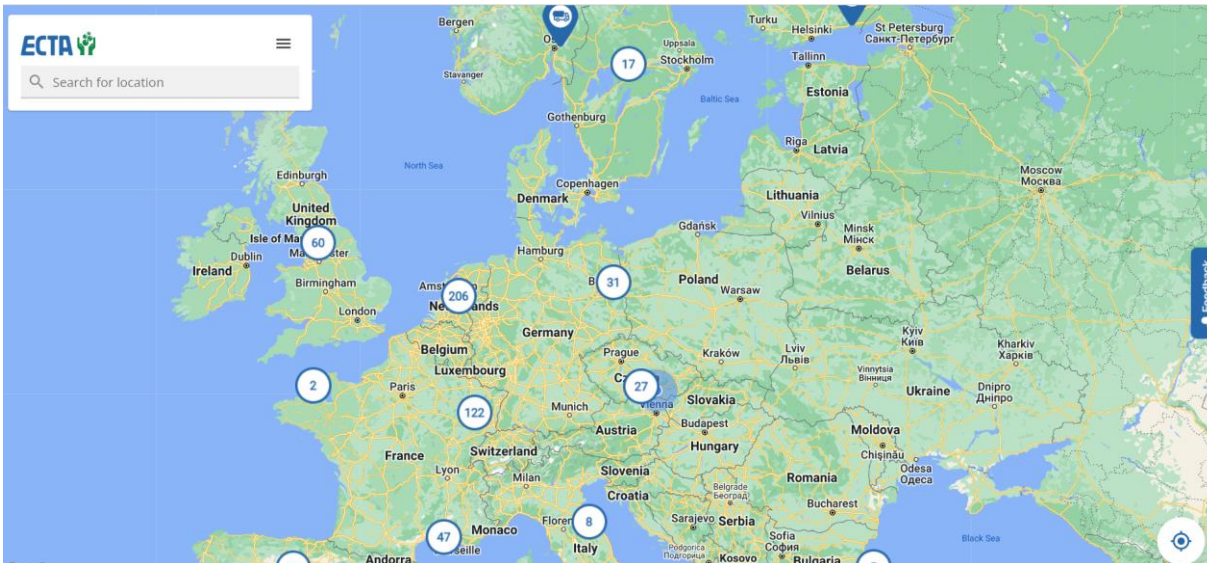
ECTA DRIVER SHORTAGE WORKGROUP

- ECTA DRIVERS APP**
- DAY OF THE TRUCK DRIVER**

DRIVER SHORTAGE FACTS

- Today, about 30% of the chemical shipments exceed a residence time of 3 hours
- The work-life balance of a chemical truck driver job is below average compared to other sectors
- The overall truck drivers' infrastructure can be much improved and should be made gender friendly
- Etc.

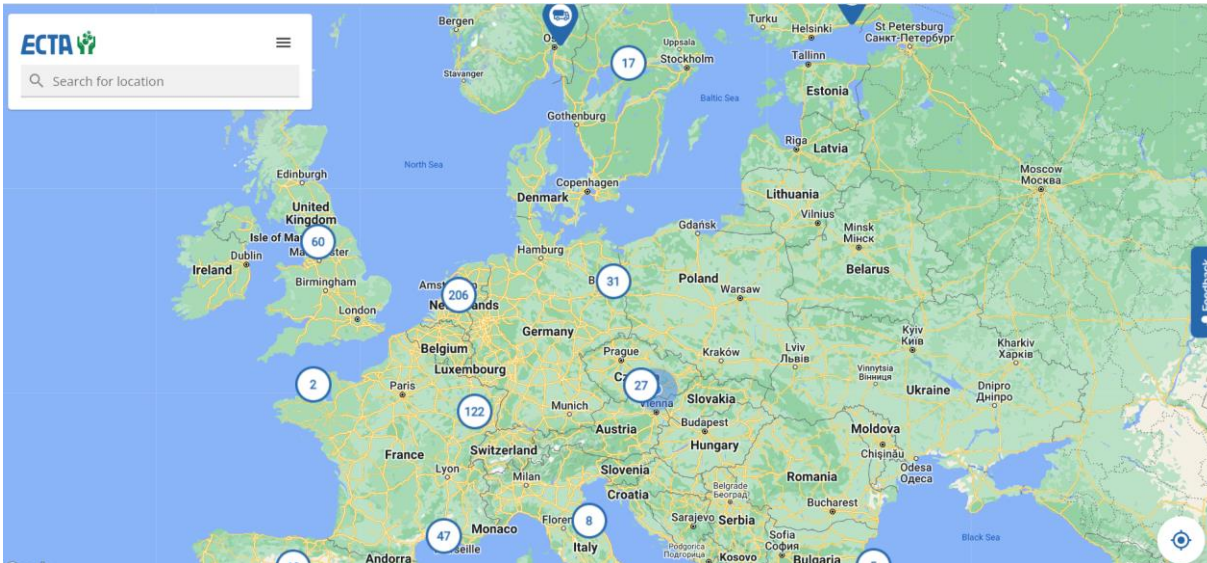




ECTA RECOMMENDATIONS

Areas of opportunities to improve the situations are:

- Adapt site inventory level requirements
- Revise opening hours at loading/unloading sites
- Take responsibility for outsourcing of site operations
- Create slot booking flexibility
- Handle drivers with more respect
- Support initiatives for digital gate registration



WHY THE ECTA DRIVERS APP?

- to take action to improve the driver shortage
- to give drivers a voice
- to gather data about daily experiences of drivers at (un)loading sites

ECTA DRIVERS APP

×

Safety
★ ★ ★ ☆ ☆

Waiting time
★ ★ ★ ★ ☆

Truck driver treatment
★ ★ ★ ☆ ☆

Driver Facilities
★ ★ ★ ★ ☆

Total residence time spent

< 2 hours	2-4 hours	> 4 hours
-----------	-----------	-----------

For what product type?

Packed	Dry Bulk	Liquid
--------	----------	--------

Is the rating for...

Loading	Unloading
---------	-----------

FACTS ABOUT THE APP

<https://drivers.ecta.com/>

- For ECTA Members only
- Web-based APP to be used on mobile, tablet and desktop
- Drivers can register and rate 630+ (un)loading locations* anonymously across Europe
- Drivers can rate:
 - Safety
 - Waiting Time
 - Truck Driver facilities
 - Truck Driver treatment+ submit feedback via text field

*gathered by ECTA members

×

Safety
★ ★ ★ ☆ ☆

Waiting time
★ ★ ★ ★ ☆

Truck driver treatment
★ ★ ★ ☆ ☆

Driver Facilities
★ ★ ★ ★ ★

Total residence time spent

< 2 hours 2-4 hours > 4 hours

For what product type?

Packed Dry Bulk Liquid

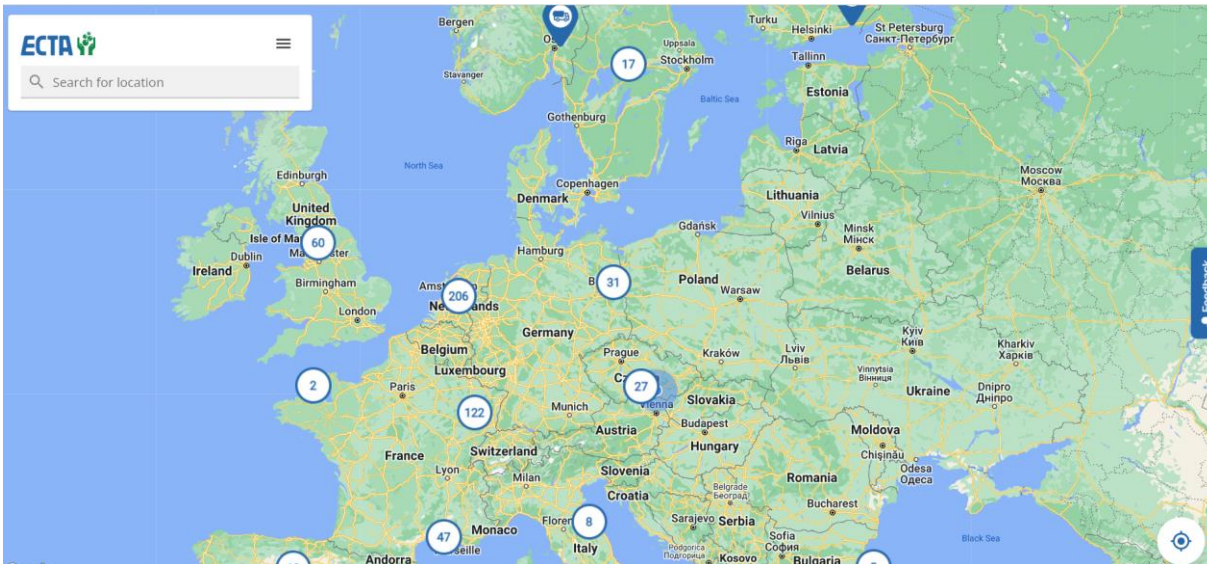
Is the rating for...

Loading Unloading

APP FIGURES

- **430+** registered **drivers**
- **25 ECTA Members** actively inviting their (sub)contracted drivers
- Reporting of data via ECTA channels planned for 2024

ECTA DRIVERS APP



You want to join?

Mail to: info@ecta.com

<https://drivers.ecta.com/>

“Day of the truck driver”

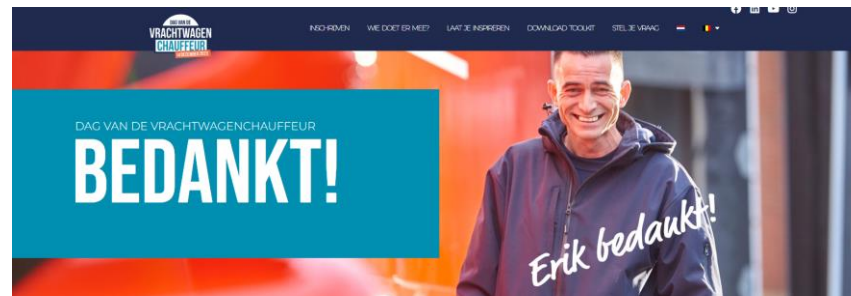
Plan for 2023:

- Day of the truck driver is held on **December 14, 2023** in Belgium
 - Each transport company or shipper can subscribe via <https://dedagvandevrachtwagenchauffeur.be/>
 - Participation is free of charge



Plan for 2024:

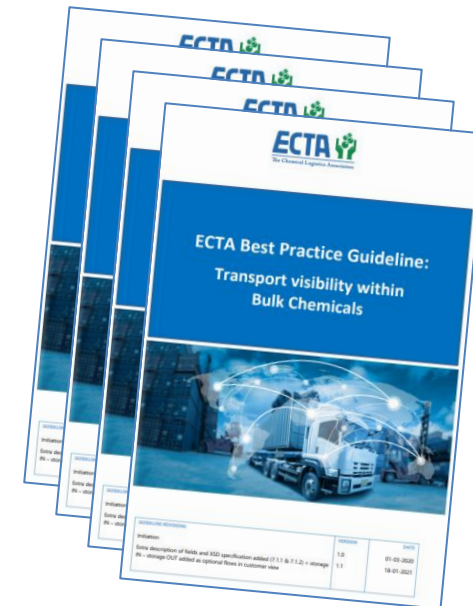
- ECTA driver shortage WG has taken the initiative to extend the “day of the truck driver” with support of Febetra to other transport associations BGL (GE), FNTR (FR) and CETM (ES)
- **June 6, 2024** is the new proposed date and will include the Benelux
- ECTA’s role is only facilitating, it’s up to each national transport association to decide



ECTA DIGITALIZATION WORKGROUP

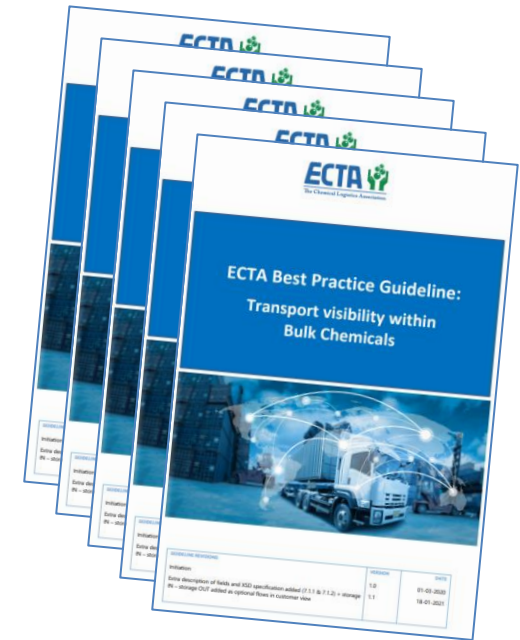
ECTA VP digitalization: Joep Aerts
ECTA digitalization Workgroup

How is ECTA supporting digitalization in chemical logistics?



ECTA digitalization workgroup objectives

- Strive for interoperability and standardization
- Encourage digital collaboration
- Reduce IT complexity
- Improve sustainability
- Increase operational efficiency



Workgroup Participants: 10 ECTA Member Companies

Updated ECTA digital WG participants

Name of Workgroup	ECTA Digitalization Workgroup 2023
Project Focus area's 2023	<ol style="list-style-type: none"> 1. Extend the scope of the existing ECTA supply chain visibility guideline with ITCO to cover global <u>isotank</u> standardization including deep sea movements 2. Analyse options & plan initiatives to ensure broader implementation of existing ECTA digital guidelines
Participants	<ul style="list-style-type: none"> • ECTA Workgroup & Project Management Office <ul style="list-style-type: none"> – Chairman: Joep Aerts (Den Hartogh) – WG Project Lead: Michelle Slobbe (Den Hartogh) – ECTA Project coordination: Peter Devos (ECTA) • Participants: <ul style="list-style-type: none"> – Cedric Walti (Bertschi) – Angela Birch (Suttons) – Thies Grage (HOYER) – Stefan Heidrich (Talke) – Tayfun Oezcan (VTG) – Linda Krielaart (Van Den Bosch) – Kris Messelier (Fockedey) – Peter Viebig (Vervaeke) – Thomas Havermans (Altea group)
Main Project Contacts with Email	MSlobbe@denhartogh.com ; peter.devos@ecta.com ;
Start and Planned publication	Mar 2023 – end Dec 2023

Focus topic 1:

Extend the scope of the existing ECTA supply chain visibility guideline with ITCO to cover global isotank standardization including deep sea movements

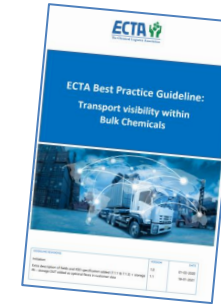
- ITCO SCV guideline published in July 2023
- ECTA co-promoted ITCO SCV guideline



Focus topic 2: Analyse options and plan initiatives to ensure broader implementation of the existing ECTA digital guidelines

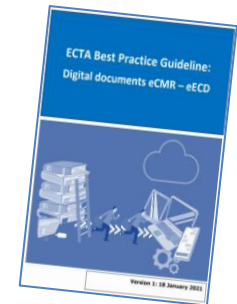
- **1st webinar was on 28.06.23 “HOW TO ENABLE AUTOMATED DATA EXCHANGE IN BULK CHEMICAL LOGISTICS”**

- ✓ >130 subscriptions - 92 effective participants
- ✓ Great feedback received – Focus on real showcases where digital standard are applied



- **2nd digital webinar planned on 10.10.23 about “DIGITALIZATION of FREIGHT DOCUMENTS”**

- ✓ Covering e-freight testimonials for eCMR (Den Hartogh - Shell) and eECD (ECLIC - Basf)
- ✓ >220 subscriptions - 165 effective participants



- **Next digital webinar planned on 16.01.2024 at 10am about “Equipment and truck driver data standards”**

ECLIC community keeps organically growing with the digital EFTCO cleaning document or eECD, ePPL and eEQUIP

- ✓ Digital collaboration “by doing” amongst shippers, carriers, terminals, cleaners
- ✓ Roll out of eECD 2.0 industry solution
- ✓ Further IT integrations and automations

THE TROUBLES OF THE PAPER WORLD



The ECLIC digital collaboration community



Producers



Transport and Logistics



Tank cleaning



ECLIC solution developers & integrators



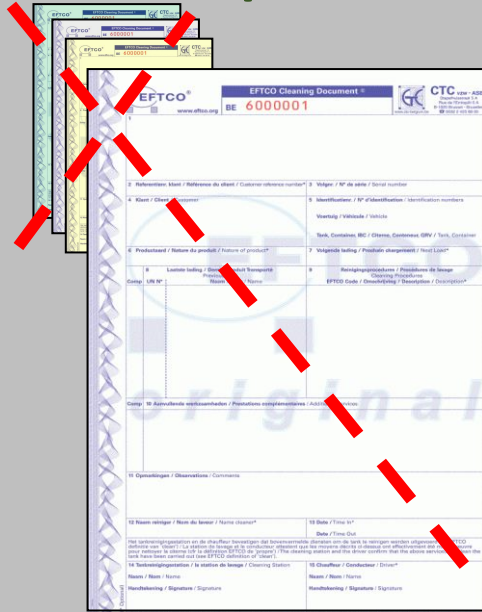
Industry associations



The existing ECLIC board will be extended as of January 2024 with new active ECLIC company members to create an industry digital platform vision

The HYBRID eECD 2.0 industry solution is launched

Paper ECD



Digital hybrid eECD 2.0



One digital eECD Industry standard

More info? www.ecllic.eu or info@ecllic.eu

ECLIC is a "not for profit" project initiative with



The HYBRID eECD 2.0 industry solution is launched

Every carrier/shipper can use the eECD 2.0 pdf print version with or without an eECD licence

Digital hybrid eECD 2.0

Launched Aug 2023



EFTCO Electronic EFTCO Cleaning Document		Ecllic	
EFTCO Original eECD - please check validity online via QR code and accept			
1 Cleaning station CleanCo1 NV test CLEANCO1 - CLEANING STATION WEST Teststreet 3 10000 Antwerp BE P: + 25 123456789 Website: www.ecllic.eu			
2 Customer ref. number 123456789	3 Internal ref. 096789012	4 Identification numbers Equipment type: TANKTRAILER Equipment Max. S495	
5 Nature of product CHEMICAL	6 Previous load	7 Cleaning procedures	8 Driver
11 Comments / Driver Comment			
12 Cleaner name Wouter Coppens (demo)		13 Date, Time in: 16/02/2023 01:00 (UTC)	
		14 End of cleaning - Date, Time out: 16/02/2023 02:00 (UTC)	
14 Cleaning station Synchronously signed Wouter Coppens (demo)			
15 eECD compliance score ★★★★★ Cleaning: <input checked="" type="checkbox"/> Previous load: <input checked="" type="checkbox"/> Additional: <input checked="" type="checkbox"/> Total load: <input checked="" type="checkbox"/>			
16 Driver comments: Driver Comments			



One digital eECD Industry standard

More info? www.ecllic.eu or info@ecllic.eu

ECLIC is a "not for profit" project initiative with



The digital eECD 2.0 pdf print is a valid EFTCO Cleaning Document



EFTCO Electronic EFTCO Cleaning Document		Ecllic	
EFTCO Original eECD - please check validity online via QR code and accept			
1 Cleaning station CleanCo1 NV test CLEANCO1 - CLEANING STATION WEST Teststreet 3 10000 Antwerp BE P: + 25 123456789 Website: www.ecllic.eu			
2 Customer ref. number 1234567890	4 Customer Transport Gheys NV Voortstraat 19 2400		
6 Nature of product CHEMICAL	8 Previous load	9 Cleaning procedures	

ECTA

