



Maritime & Ports Working Group

Port of Hamburg
30/31 March

Thanks to our Sponsors



General introduction to the meeting



Oliver Fuhljan, Rhenus Cuxport

Chairman of the M&P WG

Agenda

8:30 Welcome Coffee

9:00 Meeting start – Introduction by the Chairman **Oliver Fuhljan**, Rhenus Cuxport

9:10 Approval of the minutes from the last meeting

9:15 Introduction to Port of Hamburg & Unikai: **Hartmut Wolberg**, Unikai

9:30 Carrying of Alternative Fuel Vehicles: **Mike Sturgeon**, ECG

9:50 Q&A

10:00 – 10:30 Coffee break – Networking

10:30 Round table discussion

- Ukraine crisis
- Congestion issues
- Materials & drivers shortage

11:10 Update on ECG activities: **Mike Sturgeon**, ECG

11:25 Update on next meeting: **Serena Scognamiglio**, ECG

11:30 **Meeting close, Boat Tour of Port of Hamburg:** guided by **Axel Mattern**, CEO of Hafen Hamburg Marketing

The Boat Tour will finish by 13:30

Approval of the minutes from the last meeting on 16 November 2021





Maritime & Ports Working Group



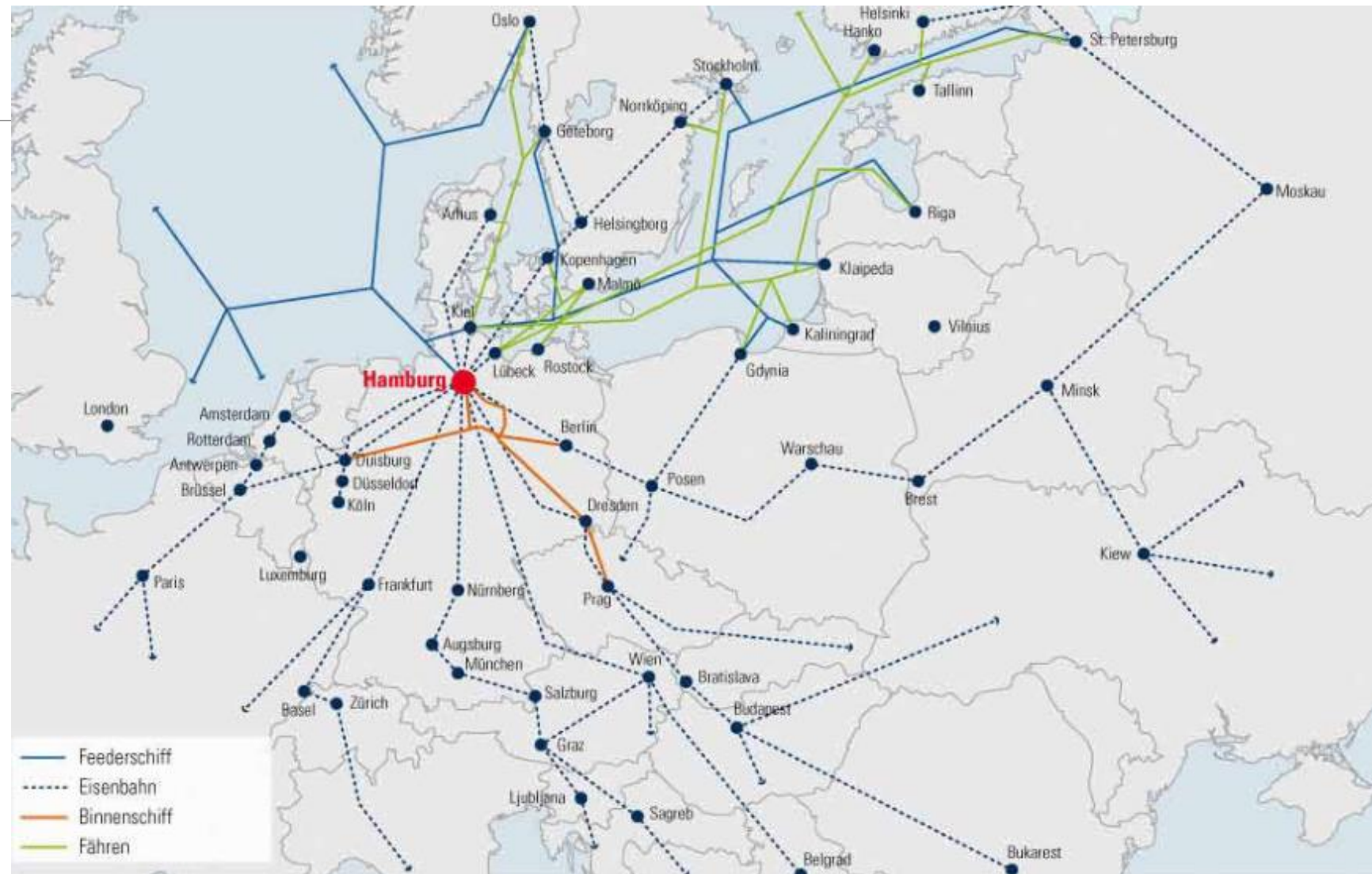
Introduction to Port of Hamburg & Unikai

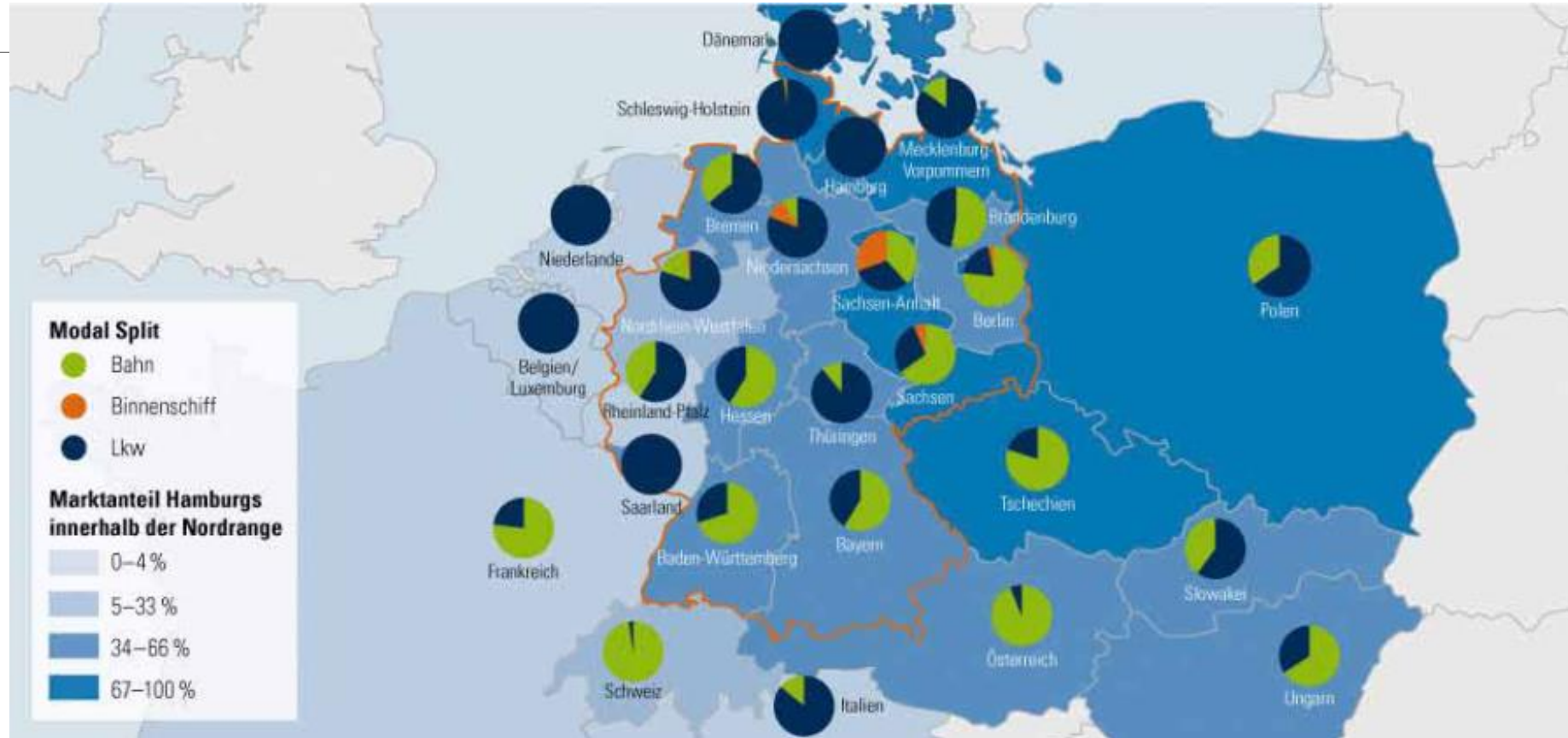
Hartmut Wolberg, Unikai

The Port of HAMBURG

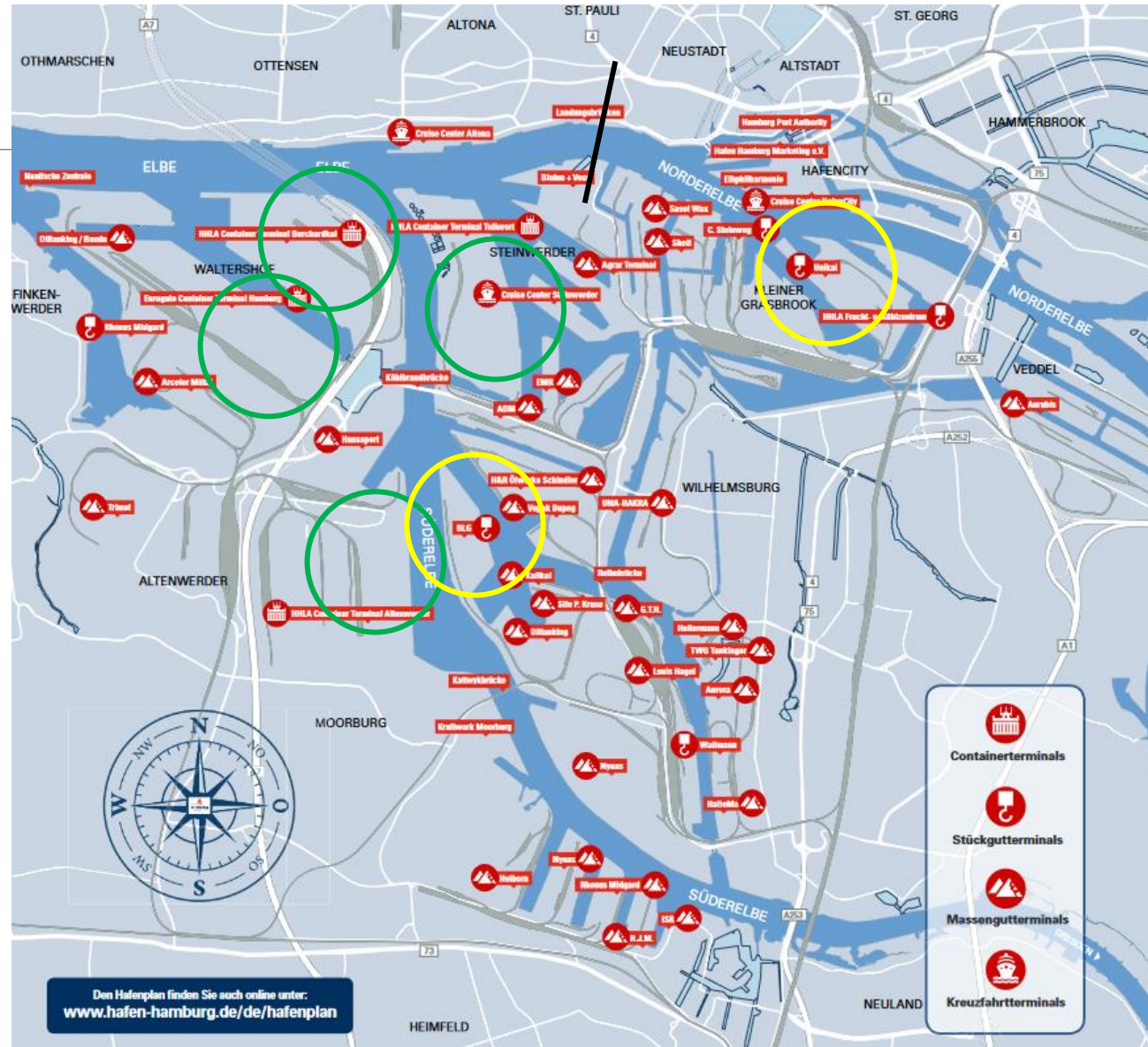












RO/RO-TERMINAL HAMBURG

UNIKAI Lagerei- und Speditionsgesellschaft mbH, Hamburg



HHLA GROUP - SEGMENT LOGISTICS



Special Logistics

HANSAPORT Bulk Cargoes



- Biggest German Terminal for Bulk Cargoes
- Specialized for Ironore and Coal
- Very High Level of Automation
- Shareholder: Salzgitter AG 51 %

HHLA FRUCHT Fruit Handling and -logistics



- Market leader for Fruit Handling in Germany
- New modern Cold Store
- Shareholder: Belgian New Fruit Wharf 49%

UNIKAI Ro/Ro – and Multi Purpose



- Largest RoRo-Terminal in the Port of Hamburg
- Port Operator for Daimler and Volkswagen in Hamburg
- Shareholder: Grimaldi 49%

O'SWALDKAI

Operator UNIKAI Lagerei- und Speditionsgesellschaft mbH



- Multi Purpose Terminal
- Trimodal Accessibility
- High-End Equipment
- Professional Handling:
 - Cars and Vehicles
 - Roll-Trailers
 - Containers
 - Project Cargo – max. 104 mt lifting capacity
 - General Cargo
 - Forest Products

UNIQUE LOCATION IN THE PORT OF HAMBURG

- Center of excellence for worldwide RoRo-Shipments in the Port of Hamburg
- Automotive Logistics – tailor-made Forwarding Services - consolidation of export cars at one hub - matching the demands of german car-manufacturers
- Container-Freight-Station for vehicles and forest-products – Container-Depot for various operators
- Ecologically friendly oncarriage by barges to all Container Terminals in the Port of Hamburg



TERMINAL O'SWALDKAI

Facts and Figures



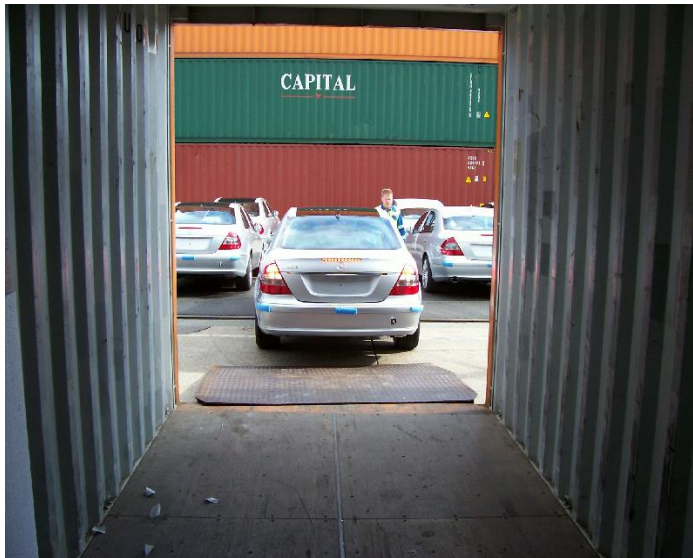
- 24-hour surveillance
- ISPS certified
- Certified under ISO 9001:2008, ISO 14001:2004 and ISO 50001:2011
- AEO certified
- Central vehicle reception
- Only Ro-Ro centre for ocean shipping in the Port of Hamburg
- Centre of competence for vehicle Logistics
- Container freight station for vehicles
- Approx. 430,000 m² of paved storage area
- 3 shed sections with a covered area of 10,000 m² each
- 1 shed section with a covered area of 13,500 m² (shed 45)
- 3 container cranes
- 10 reach stackers
- 1 mobile crane for 104 t max.
- 4 Ro-Ro tug-masters for 120 t max. incl. SafeNeck systems
- 1 berth of 350 m with a 45° ramp cutting
- 1 berth of 350 m with a straight ramp (hydraulic) or a 45° ramp cutting
- 1 berth of 300 m with limited draft and operability, for stand-by

SHIPPING LINES AND DESTINATIONS



SHIPPING COMPANIES	DESTINATION		FREQUENCY
Grimaldi Lines, Naples	South America east coast	Brazil / Argentina	10
	West Africa	- Central Service	7
		- Southern Service	7
	Mediterranean / Levant	- Euro Aegean Service	14
ACL Atlantic Container Line, New Jersey	North America east coast		7
	Canada		
HÖEGH Autoliners, Oslo	Middle East / India		14
	Arab Gulf / Red Sea		
Stena Glovis	Middle East		14
	Arab Gulf / Red Sea		
MAERSK Line	Ecubex / Central America		7

SERVICES RORO



- Survey of Vehicles by independent Surveyor
- Customs Clearance
- Stuffing and Lashing in compliance with Manufacturers Manual
- Certified and approved Quality Management
- Waiver and Documentation
- Distribution to all Terminals in the Port of Hamburg
- Forwarding Services
- Ensuring biosecurity, e.g. fumigation and certified heat treatment for destinations Australia, New Zealand, Oceania

HANDLING VOLUMES 2019

Quay-side Handling only:

Cars in total	150.000	Units
High and Heavy	16.300	Units

Containers	79.000	Boxes
Break – Bulk – Cargo (incl. Forest Products)	74.000	mt

Land-side Handling only:

New Cars – stuffed into Containers	5.700	Units
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Key facts

We pride ourselves to be a **“no-congestion terminal”**. This is achieved and maintained by:

- Focus on quick turning export cargo – ca 98% of our RoRo business
- Flexible space allocation of warehouses, RoRo parking and Container storage
- Priority for new units / OEM business
- Outside buffer areas of 60.000 sqm & 30.000 sqm for unavoidable RoRo cargo storage

We have a **strong growth perspective**:

- Up to 104 mio Euro to be invested in the coming 5 years
 - Up to 60 mio Euro thereof for a new car park, providing space for up to 10.000 cars
 - Located vis-à-vis the Elbphilharmonie
 - Direct access for pedestrians to new quarters, the inner city and cruise ship terminal across the river



Maritime & Ports Working Group



Carrying of Alternative Fuel Vehicles

Mike Sturgeon, ECG

Background

- ECG Members and some OEMs expressed the need for guidelines
- Among the main perceived issues: **fire risk** (prevention and extinguishing)
- LASH FIRE
 - 4-year project
 - 2019 – 2023
 - regulatory proposals will be assessed and validated according to the IMO Formal Safety Assessment methodology



Stakeholders



- **EUROPEAN COMMISSION**

DG MOVE, Directorate D.2 - Maritime safety
Passenger Ship Safety Expert Sub-group



- **EMSA (European Maritime Safety Agency)**

- **AFV Guidance WG**
- Different stakeholders
- ECG participates in the WG



Objectives

Short term



- European regulatory framework
- Final review meeting of EMSA was held on 22 February 2022
- These will become an EU 'guidance' (we don't know yet whether it will be legally binding or not)

Long term



- International regulatory framework IMO SOLAS
 - Can only be updated in 2028



EMSA AFV Working Group



- An interim high-level guidance document is currently being finalised and will soon be submitted to the European Commission's working group which will then officially publish it.
- The general plan is to have this guidance updated in 2023 (since they are currently interim) after the LASH FIRE project and other research on fire involving high voltage batteries becomes available.
- The document will then be sent to the IMO for their information.



EMSA draft guidance

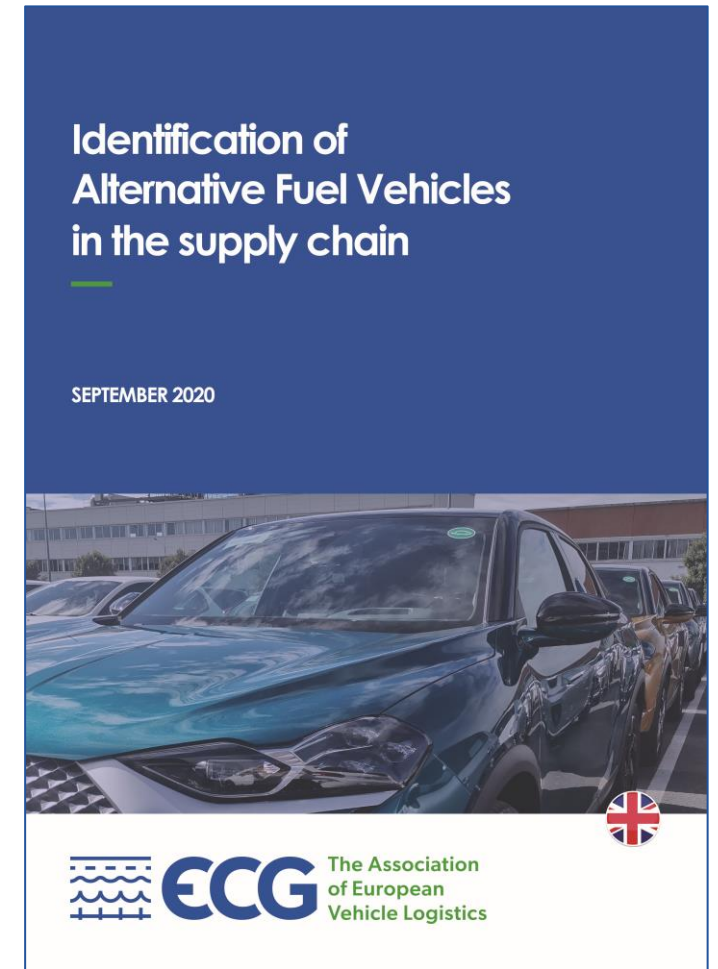
- 3. Application to Ro-Ro cargo ships and vehicle carriers (PCTCs)
- 3.2.2 Identification of vehicles
- The charterer should provide information on the type of fuel, or the energy supply of the vehicles transported to the ship's Operator before loading commences.
- The crew should be aware of the location and type of AFVs onboard (as indicated in the stow plan) and be able to quickly identify the type of AFV based on the information provided*.



EMSA draft guidance

* ECG asked for this part, while LSPs, many OEMs and research institutes supported the idea

- It doesn't say a sticker needs to be used so other solutions are also viable if they are visual
- ECG recommendation on visual identification stickers is available



EMSA draft guidance – Max SoC

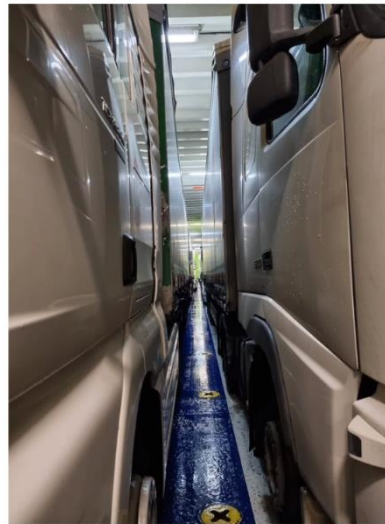
- ECG believes this should be science-based – we are waiting for the results of the LASH FIRE project (due in 2023)
- We should not make up any numbers without scientific background
- Most OEMs are working towards max 50% SoC
- The document will **suggest** that EVs have a SoC within the 20-50% range
- It is expected that this will be reviewed as soon as the scientific evidence comes out



RI.SE - Project BREND 2.0

The **Brend 2.0 project has been launched** to improve the possibilities for a safe firefighting operation in Ro-Ro spaces by improving the competence in how personnel assess the fire risks with alternative fuel vehicles.

Conditions onboard today



Results of the analysis

- **Ventilation** is important during a vehicle fire as it also determines the level of toxic gases. In a well-ventilated space these would be relatively low
- Fires from **thermal runaway** are slow to develop



RI.SE - Firefighting tactics, risks and recommendation:

- **Cooling of energy storage** and quick **extinguishment of fire** lowers the risk of pressure explosion and thermal runaway
- Important to **know risk factor** (similar for all vehicles regardless fuel)
- Evaluate the **fire team preparedness**: Number of crew trained and confident to fight vehicle fire
- Is a **deluge system** available?



RI.SE – Vehicle fire: Four key stages for fire intervention

1. Runner (initial fire stage)

- Stay out of the smoke plume and try to extinguish the initial fire while it is small
- Stop charging and break power, EVs
- Most likely no battery fire and no pressure vessel explosion at the initial stage
- Beware of jet flame or flash fire from energy storage



RI.SE – Vehicle fire: Four key stages for fire intervention

2. Activate deluge sprinkler system (if available)

- Control the fire using the deluge system
- Stay out of the Ro-Ro deck until the fire burns out and any potential gas tanks have time to cool down
- Monitor temperature evolvement



RI.SE – Vehicle fire: Four key stages for fire intervention

3. Fire team intervention

- **EV:** allow the battery and any jet flames to burn out, cool the surrounding and prevent fire spreading (defensive tactic.)
- **Gas:** Do not extinguish the jet flame, but try to extinguish the fire and cool nearby vehicles/gas tanks

RI.SE – Vehicle fire: Four key stages for fire intervention

4. Post extinguishment, EV

- Monitor temperature and possible gas development for EVs that have been exposed to fire
- Suppression support





Any Questions?





Coffee break 10:00-10:30



Round table

Ukraine crisis

Congestion issues

Materials & drivers shortage



Fundraising appeal for Ukraine

Update on ECG Activities

Mike Sturgeon, ECG

Next events.

Maritime & Ports Working Group

30/03/2022 19:00 - 31/03/2022 14:00 CET

Port of Hamburg, DE

General Assembly & Spring Congress 2022

12/05/2022 15:00 - 13/05/2022 13:00 CEST

Malaga, ES

25th Anniversary

28/06/2022 18:00 - 22:00 CEST

Brussels, BE

More events >

To provide a common platform for the
finished vehicle logistics industry in
Europe through:

-  Information & Awareness
-  Education
-  Networking & Integration
-  Lobbying & Representation
-  Standardisation

About us >

ECG activity update

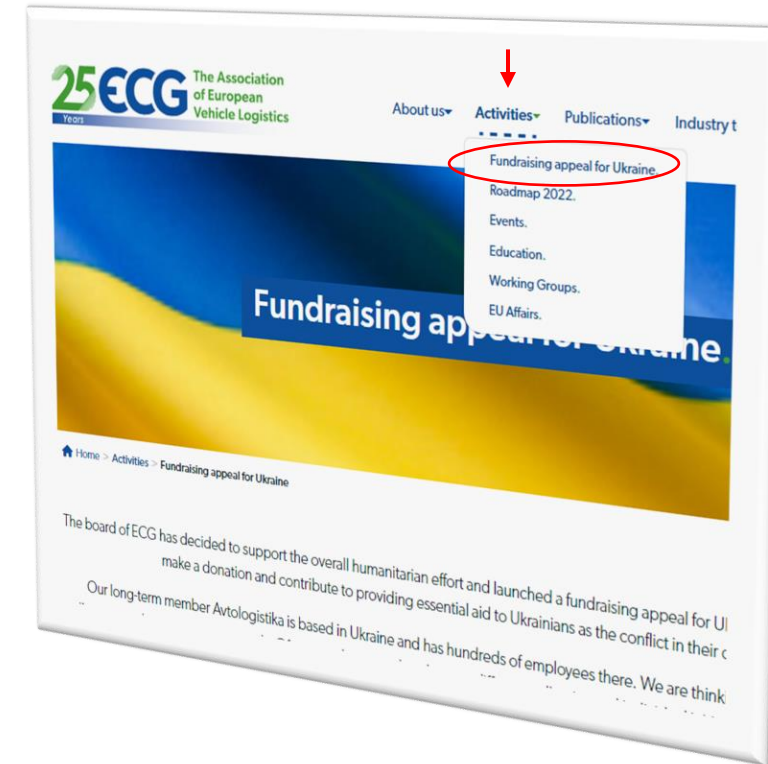
- ECG Ukrainian fundraising
- ECG Business Intelligence
- ECG Press Releases
- ECG Survey
- Quality
- Digitalisation
- Sustainability & emissions reporting
- ECG Academy
- ECG Negotiation management course
- 2022 dates for your diary



ECG Ukrainian fundraising

- The board of ECG has decided to support the overall humanitarian effort and launched a **fundraising appeal for Ukraine**
- ECG has already received the **first donations**
- You may **make your donation** to ECG's bank account using the message 'Ukraine'

Account name: ECG
Bank: BNP Paribas Fortis
IBAN: BE56 210004737288
Swift n°: GEBABEBB



ECG Business Intelligence

January 2022



February 2022



March 2022



Next reports

- **April:** A look at the 'on cost' of electric trucks in every respect. As electric trucks come to market costs are higher, load factors potentially lower, cost of fast charging on motorways very expensive. What is the cost of going green?
- **May:** Development of costs, capacity etc. Raw materials are rocketing in price, inflation generally is rising fast, driver wages jumping. An overall view of cost and capacity which will educate OEMs and potentially assist LSPs in making the case for higher rates.

We would welcome your ideas for future topics



ECG Press Releases

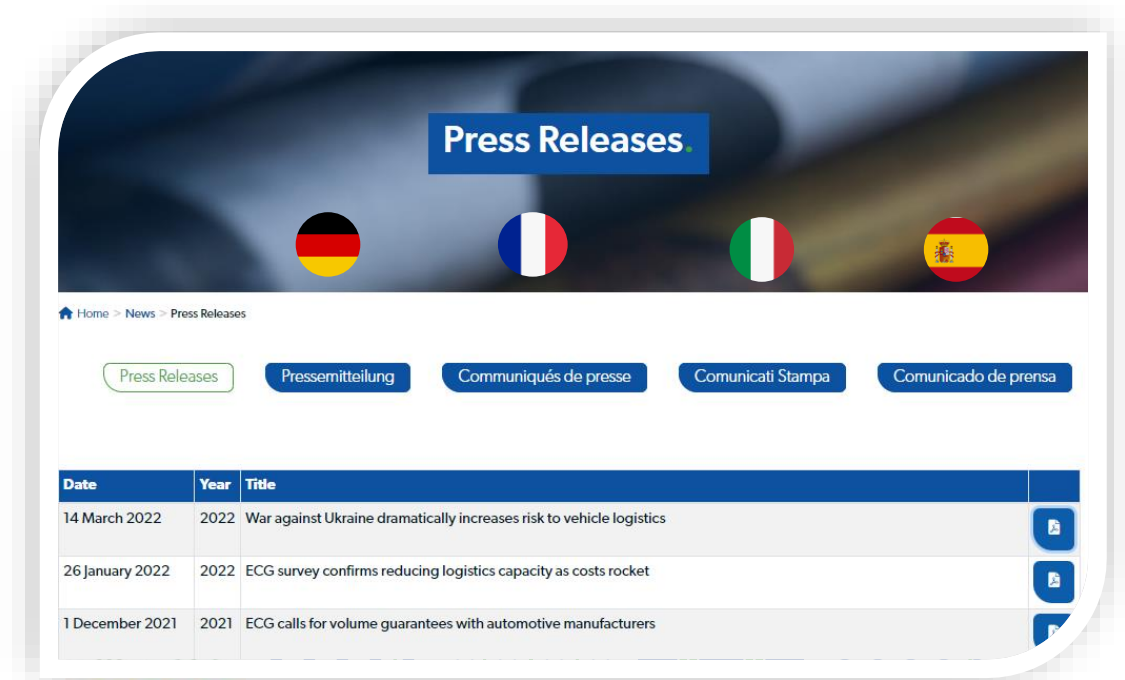
March 2022: 'War against Ukraine dramatically increases risk to vehicle logistics'

January 2022: 'ECG Survey confirms reducing logistics capacity as a cost'

December 2021: 'ECG calls for volume guarantee with automotive manufacturers'

5 languages available:

- EN
- DE
- FR
- IT
- ES



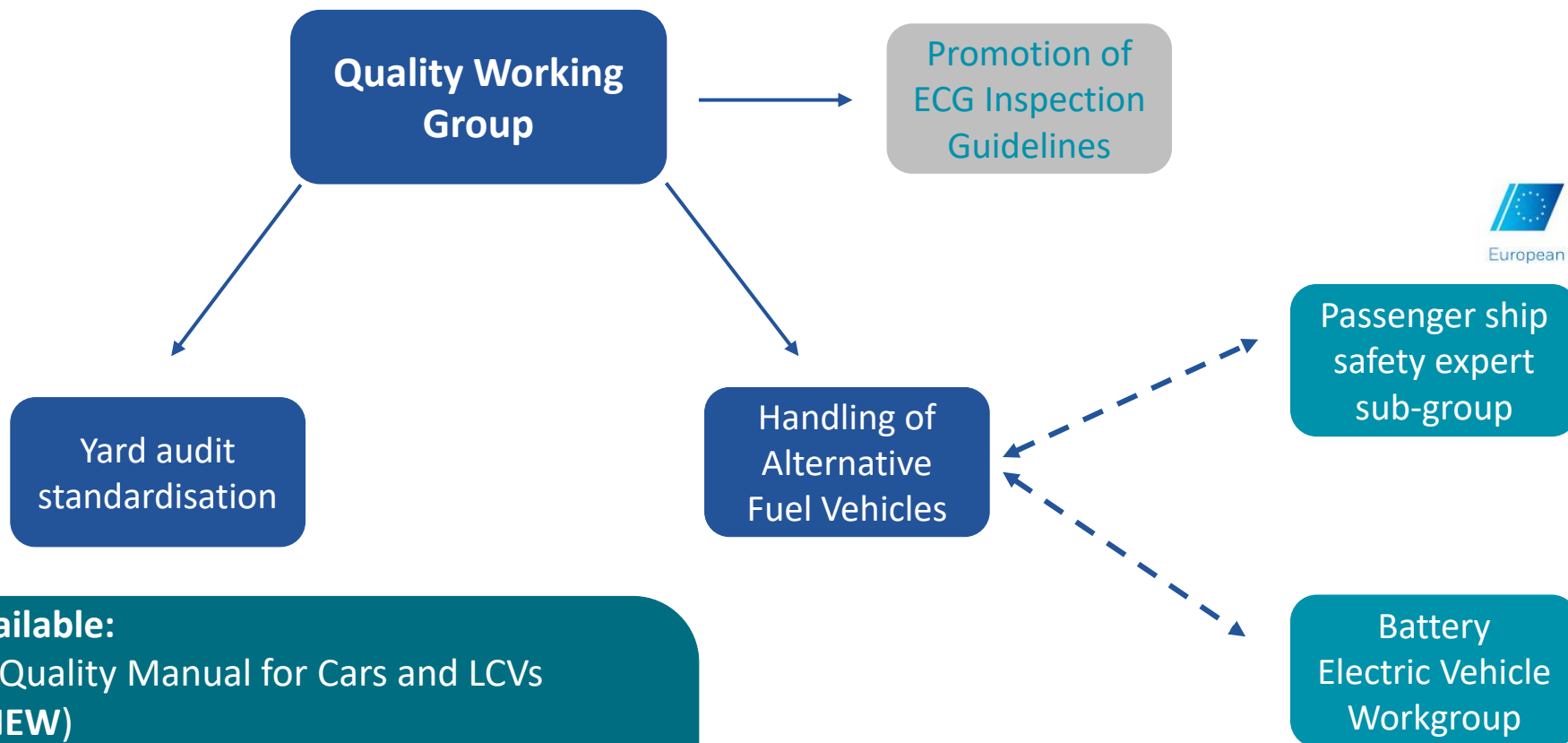
ECG Survey

- The **new edition** of the ECG Survey will be presented at the ECG Conference in October!
- The project has already started and soon Main Delegates of members will be contacted
- If you receive a mail from us on this, please **send back your data** in time!





Quality WG (QWG) structure



Documents available:

- Operations Quality Manual for Cars and LCVs version 9 (**NEW**)
- OQM for Commercial Vehicles version 2 (**NEW**)
- OQM for High & Heavy version 2
- Inspection Guidelines version 4 (**NEW**)
- Full Body Covers in the supply chain
- FVL Transport Damage Reporting (a.k.a. M-22)



2022 March

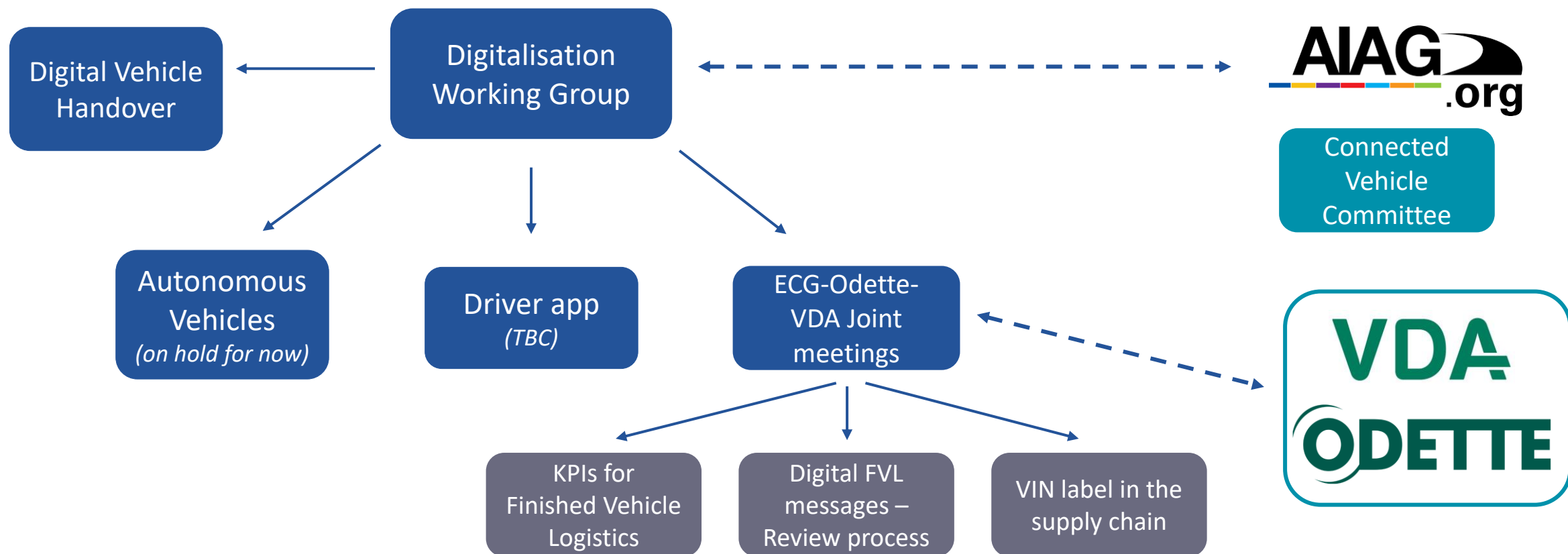
Quality Working Group

- Last webinar on 23 February
- Next a hybrid meeting will be held in September (TBC)
- Recent developments:
 - Operations Quality Manual for Cars and LCVs– *version 9 published in English, translations to 9 languages ongoing*
 - Operations Quality Manual for Commercial Vehicles (i.e. trucks and buses) – *version 2 published in English, translations to 4 languages ongoing*
- Current topics include:
 - Yard audit standardisation – *contacting soon the VDA*





Digitalisation WG (DWG) structure



Documents available:

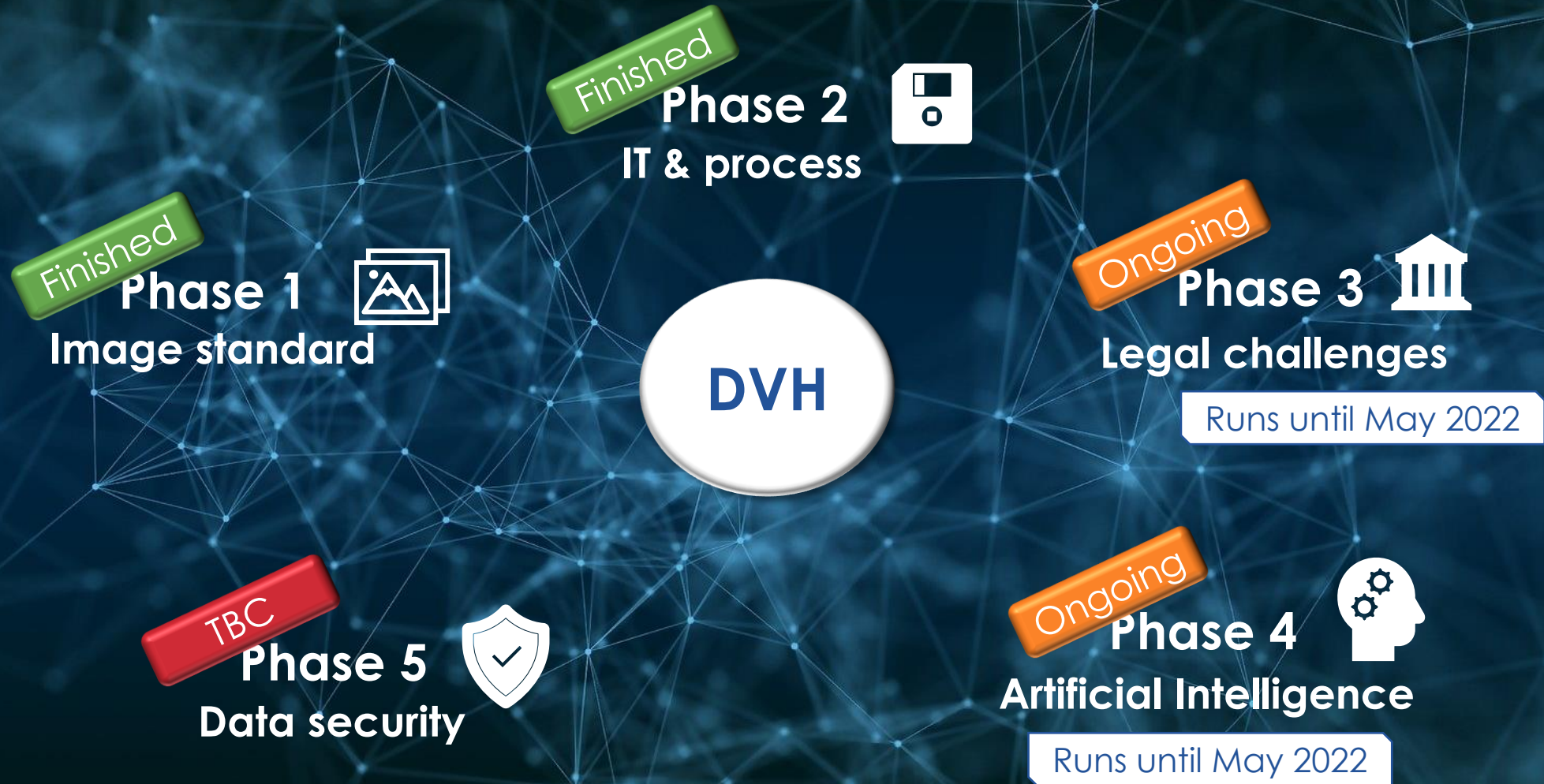
- Digitalisation of Finished Vehicle Logistics
- e-gate
- Connectivity of logistics sites
- VIN labels in vehicle distribution processes
- Identification of Alternative Fuel Vehicles in the supply chain

Cross-industry project

- ECG-Odette-VDA recommendation on standard FVL digital messages published in May 2020
- Recent developments:
 - OEMs already implementing the standard had some comments based on which version 2 will soon be published
 - Separate meeting with OEMs in April on their level of implementation



Digital Vehicle Handover – vision for the project



KPIs in FVL

Joint project with Odette



Purpose:

Each organisation doesn't have to create its own KPIs

LSPs can more easily assess their performance across the whole customer base

LSPs don't have to manage a plethora of KPIs from different customers

Provide a basis for performance improvement

Timeframe

Project runs: April 2021 – May 2022

Participants

LSPs and OEMs alike



Standard VIN label in FVL

Joint project with Odette



Purpose:

Work on a standard VIN label for the supply chain

Agree on the place of the label on the vehicle

Have the 17-digit VIN in human readable format on the label (no extra digits)

Fuel type could also be included on the label

Timeframe

Project runs: June 2021 – May 2022

Participants

LSPs and OEMs alike



DWG meeting will be convened later this year –
Date & Venue TBC

- **If interested in any of the DWG activities, let ECG know!**

Sustainability Working Group (SWG)

Objective

Agree on a
standard methodology to calculate
emissions from FVL
which gives
fair and equitable results
between and among
different transport modes

Status

- Kick-off meeting on 7th April
- ECG proposed to the **VDA** to work together on developing a methodology for FVL
- The VDA proposed to enlarge the scope of the project and include inbound and involve **Odette**
- Excellent co-operation on other projects currently and in the past with both Odette and VDA
- **ECG – Odette – VDA** joint project proposed

Project proposal

Scope of the project: define a methodology for **automotive emissions** – inbound and outbound

ECG to represent LSPs / **outbound**

- Ro-Ro workstream



KICK-OFF MEETING



ECG Academy & Negotiation Management

ECG Academy

Registrations for Course 16 2022/23 are open.

The course is almost full, register as soon as possible to save a spot!

Negotiation Management

The **April course was cancelled** due to lack of demand.

If you are interested in the course, please contact us. We will plan to **organise a new one** if we receive enough interest.

2022 Dates for your diary



- **General Assembly & Spring Congress 2022** – 12/13 May, Malaga
- **25th Anniversary** – 28 June, Autoworld, Brussels
- **ECG Conference 2022** – 13/14 October, Vienna





Maritime & Ports Working Group



Update on next meeting

Summer 2022: Date and venue TBD

Autumn 2022: Port of Antwerp, date TBC





Thank you!

Any Questions?





Tour of Port of Hamburg

11:30 – 13:30

