alice | Alliance for Logistics Innovation through Collaboration in Europe

PORT of the FUTURE

Port of Antwerp Bruges

Open-Format "World Café" Workshop

Path towards Logistics Automation

PAVE EUROPE · AUTOSUP · MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES · alice Alliance for Logistics Innovation through Collaboration in Europe

The European Technology Platform ALICE

alice
Alliance for Logistics Innovation through Collaboration in Europe

Open-Format ”World Café‘ Workshop Path towards Logistics Automation

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

Thematic Station 3 (led by ALICE & MODI Project)

Business Models and scaling pathways of Automated Freight

Get to know **MODI Project** (objectives, use cases, results) and **ALICE CCAM Logistics Task Force**

👉 *Your insights matter. Share your views by completing these short questionnaires.*

- **“Automation Perceived Value”** questionnaire
- **“OPEX Costs of CCAM”** questionnaire
- **“PDI & Risks”** questionnaire
- **Viable Business Models** for Automation
- How an **Automated Corridor** should look like

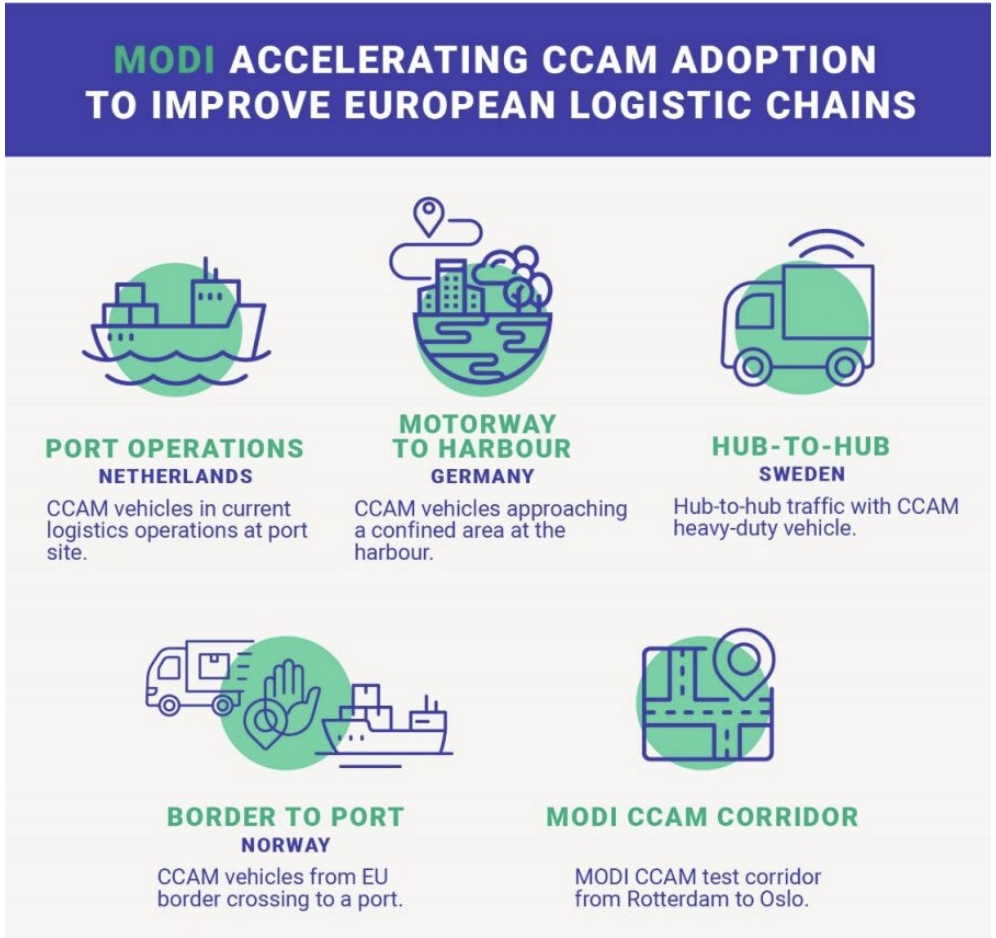
Co-funded by the European Union

MODI project has received funding from the European Union’s Horizon Europe research and innovation programme under grant agreement No 101076810.

MODI Ambitions

A leap towards SAE L4 automated driving features

- MODI seeks to advance automated freight vehicle adoption to boost efficiency in European logistics.
- CCAM solutions are expected to reduce costs, streamline operations, and improve transport safety and sustainability.
- MODI will showcase CCAM's feasibility and benefits through five use cases spanning confined areas and public roads.
- It will assess current automation capabilities and identify areas needing further development.



Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

MODI: Objectives and Key Results

MODI objectives are to:

- Implement new CCAM technology in vehicles and infrastructure
- Define recommendations for the design of physical and digital infrastructure (PDI)
- Demonstrate viable business models for connected and automated logistics
- Perform technical and socio-economic impact assessments

Significant challenges include regulatory aspects and standardisation, border crossings, access control, charging, coordination with automated guided vehicles, loading/unloading and handover from the public to confined areas.

MODI KEY RESULTS

CCAM vehicles at TRL 7 suitable for L4 demonstration on public roads and confined areas on the logistic corridor between The Netherlands and Norway.

Interface for efficient coordination of vehicles in public and confined areas, adding more benefits to the use of CCAM vehicles.

Design of PDI for supporting L4 CCAM vehicles, co-created and verified by relevant stakeholders.

New viable business models and tools creating value along the logistic chain by utilizing CCAM technology and vehicles.

Assessment of environmental, safety, operational, and socio-economic impacts to support the recommendation of future deployment of CCAM in logistics.

Lessons learned and recommendations on CCAM vehicles, PDI, regulation, harmonization, and standardization to accelerate CCAM adoption in logistics.

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

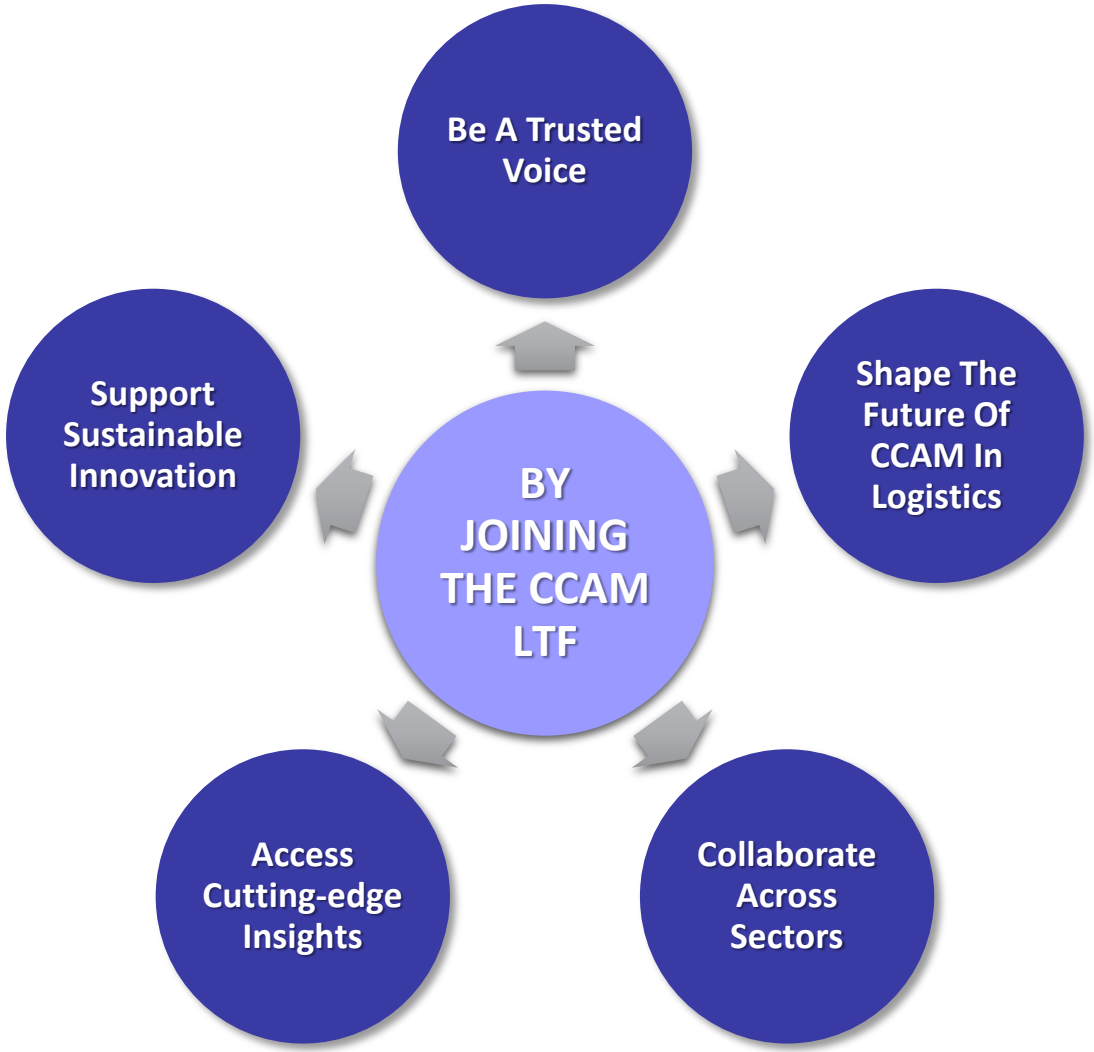
What is CCAM Logistics Task Force?

The CCAM Logistics Task Force aim is to bring together logistics stakeholders such as: shippers, forwarders, logistics operators, logistics hubs, technology centers, research organizations, etc., to **discuss MODI's findings and provide valuable feedback.**

The Task Force contributes to developing business models, identifying needs and requirements, and conducting gap analyses.

In return, participants will gain insights into the latest advancements in automated road logistics and MODI's solutions to challenges like permitting and technical barriers.

Talk to ALICE team to join
ALICE CCAM Logistics Task Force



Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

7 questions about **Automation Perceived Value**

alice
Alliance for Logistics Innovation through Collaboration in Europe

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

💡 Whether you're a shipper, LSP, port, regulator, insurer, or tech provider, your perspective matters.

📊 Share **what attributes** (speed, cost, emissions, transparency, reliability) truly drive value for you.

🔍 Help to determine **where automated trucks should roll out first**: long-haul, ports, retail, or niche lanes.

📝 Just a few questions, but your answers will directly influence upcoming pilot programs and investment focus.

Thank you!

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

alice
Alliance for Logistics Innovation through Collaboration in Europe

5 questions about **OPEX Costs of CCAM**

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

🌐 Identify your role in the freight ecosystem: from shipper to regulator, every voice matters.

⚙️ Share your **expectations on OPEX savings** from 24/7 automated long-haul operations.

💸 Tell us which **cost driver** automation could improve most: fuel, drivers, insurance, or beyond.

🚚 Shape the **future commercial model**: per-km, per-load, subscription, or revenue share.

Thank you!

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

alice
Alliance for Logistics Innovation through Collaboration in Europe

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

5 questions about **Physical & Digital Infrastructure and Risks**

🏗️ Share your view on **who should fund infrastructure upgrades** for automated trucking.

⚖️ Tell us where **liability** should sit during autonomous highway operations.

🚧 Highlight the **biggest non-technical blocker** slowing corridor automation today.

🌍 Add your stakeholder perspective to shape the roadmap for safe, scalable adoption.

Thank you!

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

Support the **MODI Business Models Canvas**

alice
Alliance for Logistics Innovation through Collaboration in Europe

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

💡 Define the **key value proposition** that would make you choose an automated freight provider.

💸 Share your perspective on the right **revenue model** for corridor autonomy.

🤝 Identify **the partners and stakeholders** needed to make a corridor work.

⚖️ **Weigh in on costs, liability, and insurance** - what matters most to you.

🚀 Highlight the **adoption triggers** that would push you to launch a pilot.

Thank you!

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.

alice
Alliance for Logistics Innovation through Collaboration in Europe

Your insights on **Strategic Open Questions on corridor automation**

MODI A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES

🚚 Share your view on **which lanes or products** should be first to pilot automation.

💰 Identify which **cost line** will shift first: driver, fuel, insurance, or maintenance.

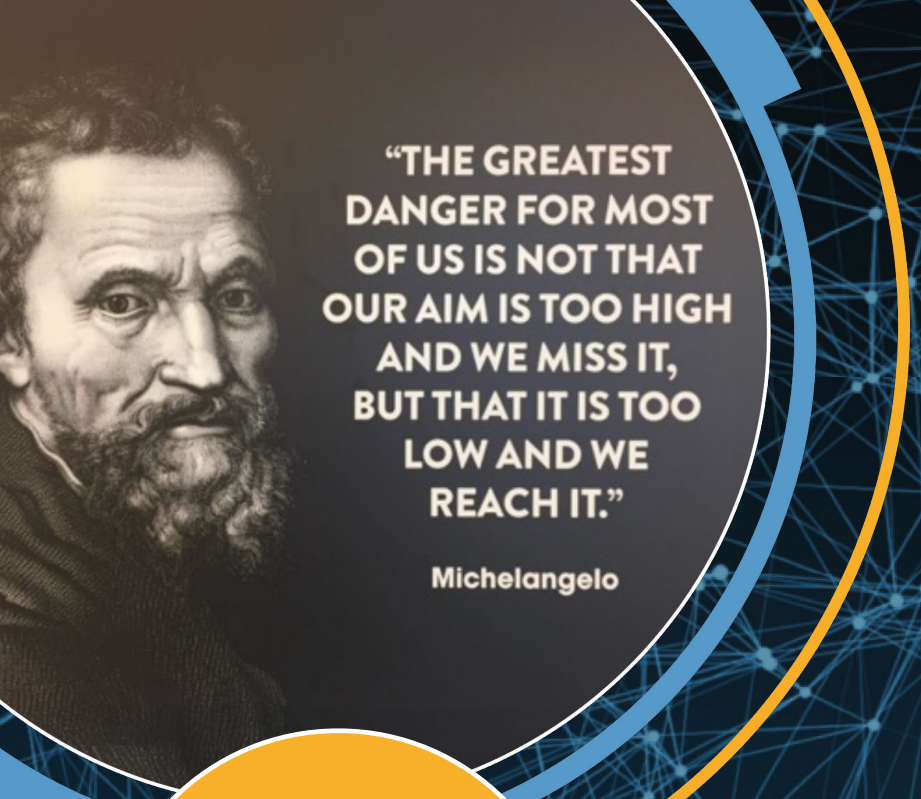
🏢 Tell us which **department** in your organization would champion corridor investment.

🌍 Shape the **vision for a large-scale demonstration** to accelerate adoption and break barriers.

Thank you!

Co-funded by the European Union

MODI project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076810.



alice | Alliance for Logistics Innovation through Collaboration in Europe

The best way to predict the future is to create it!

Source: President Abraham Lincoln

THANK you!

www.
etp-logistics.eu

info@
etp-alice.eu

Newsletter

LinkedIn