

CLUSTERS 2.0

Webinar: Rethinking collaboration, connectivity and modularisation



CLUSTERS 2.0 Project

- › CLUSTERS 2.0 is a EU funded H2020 project
- › Started May 2017 until July 2020
- › Clusters 2.0. Vision is to leverage the full potential of European Logistics Clusters for a sustainable, efficient and fully integrated transport system

Project Co-ordinator

the mind of movement



Logistics Cluster

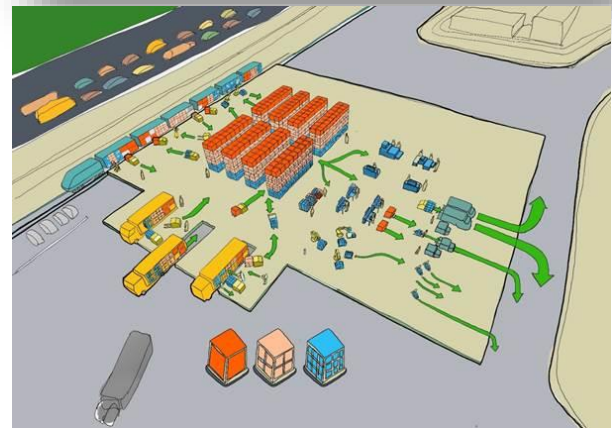
All over Europe logistics clusters are present:

- › As agglomeration of production and logistics industry attracting related industries
- › Logistics Clusters: Nodes along major trade routes co-operating to reduce transport costs and superior levels of services

Overall, clusters are local competing companies co-operating for growth and innovation

The vision is to move towards PI nodes of high performance logistics centers aiming towards „universal interconnectivity“

- Fast, cheap, easy and reliable interconnection of PI containers (modularization)
- Avoid load breaking
- Targeting price level: FTL prices equal intermodal LTL



The Clusters story

Thesis: Shippers could considerably increase the usage of intermodal services through collaboration and pooling of freight demand

To exploit the potentials of intermodal transport different concepts have been developed and applied

- › Massification Methodology; Tested in various clusters: Dourges, Duisburg, Trelleborg, Zaragoza, Piréus and Bologna
- › Quick check tool to quickly analyse aggregated corridor volumes
- › X-Intermodal for detailed planning on daily order level

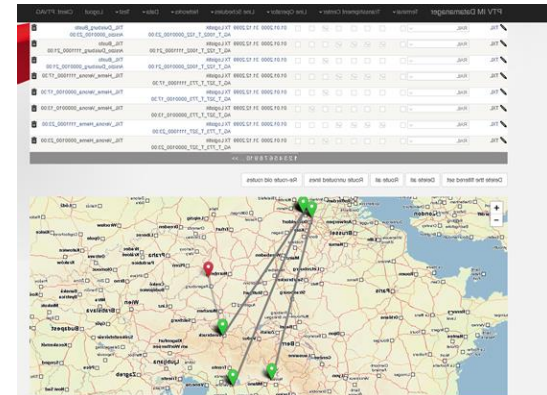
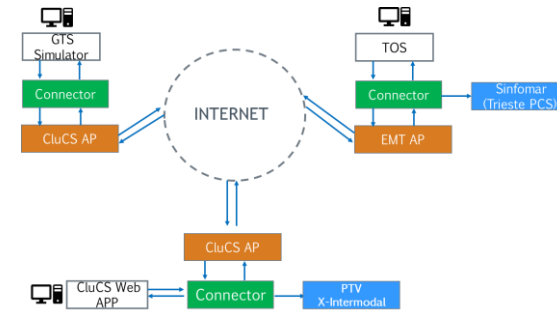
Clearly, visibility and connectivity is a key success factor: What intermodal services are in place and how to book them

The CLuCS concept addressed this topic:

- › Intermodal operator GTS connected to a cluster community system publishing, time tables, available capacity and a booking process
- › LSP in Bologna could make use of these data via the X-Intermodal
- › Linking the CluCS to the Port Community System in Trieste with train arrival notification

Adding modularisation to this concept to better fill trailers and containers and to pool shipments along the journey

- › A new loading unit (NMLU) was developed that can fastly be loaded and unloaded, pave the way for automatization of cross dock
- › Automated transshipment of containers
- › Dynamic IT tools for Slotbooking to synchronise loading and unloading processes at the airport Brusses and Heathrow



CLUSTERS2.0 Webinars

Opening webinar on Clusters 2.0: Rethinking collaboration, connectivity and modularization

Date and time: 25th June 2020, 15:00 CET

Organisers: Marcel Huschebeck, PTV Group

[Read more and register to the webinar.](#)

Cloud-based platform collaboration in airport clusters

Date and time: 30th June 2020, 15:00 CET

Organisers: Hilde Havermans, Nallian

[Read more and register to the webinar.](#)

NMLU a Clusters 2.0 innovation – fast, efficient and smart

Date and time: 2nd July 2020, 15:00 CET

Organisers: Michael Koscharnyj, Fraunhofer IML

[Read more and register to the webinar.](#)

Logistics clusters as a foundation for collaboration and modal shift

Date and time: 7th July 2020, 15:00 CET

Organisers: Marc Verelst, P&G

[Read more and register to the webinar.](#)

Cloud-based Platform Collaboration in Intermodal Clusters

Date and time: 9th July 2020, 15:00 CET

Organisers: Giuseppe Dall'Asta, Interporto Bologna

[Read more and register to the webinar.](#)

Logistics Clusters – Key drivers for the European Green Deal

Date and time: 14th July 2020, 15:00 CET

This webinar is about...

- Discussing and concluding on achievements within the CLUSTERS 2.0 project and the „value“ for current and future freight operations and business processes
- What are the changes needed to move forward
- What solutions have most chances to continue



Clusters 2.0



Marcel Huschebeck, Chief Logistics Research
Marcel.Huschebeck@ptvgroup.com

