



Introduction of Clusters 2.0 UIRR digitalization workshop April 13th 2018

www.clusters20.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723265.



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Introduction Argusl

2005 PhD Bas Supply Chain Optimization "Collaborative Logistics Transportation networks" A modeling approach to Hub Network Design
Start Argusi Supply Chain Optimization & Synergy



2006

Clusters 2.0

PhD Frans Supply Chain Synergy "Horizontal Cooperation in Transport and Logistics" A gainsharing methodology Independent supply chain analyst since 2007. Ready to work together with the latest techniques, methods and tools. Methodical. Analytical. Creative. Complemented with enthusiasm and motivation to search for possible improvements to prevent waste.

www.argusi.org

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Position of Argusi

At Argusi we want to contribute to the sharing economy in transport and logistics. We apply our optimization tools to find, analyze and support collaboration projects in which companies share transport capacity, facilities, contracts, and expertise. We do matchmaking between shippers, host inspiration sessions, perform synergy calculations, and advise on gain sharing before and during collaboration projects.

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Multiple Networks Collaboration Multiple companies		Supply Chain Synergy		argus
Network Structure Locations, links, functions Single company		Supply Chain Optimization		Supply Chain Optimization and Supply Chain Synergy related projects and training in a Humanitarian and Emergency
Alignment Within the structure				environment
Scheduling Detailled planning				Academy
	Governance Who does what? Organisation	Design How is it structured? About services	Planning & Control How is it controlled? About resources	Round tables and masterclasses on Supply Chain Optimization and Supply Chain Synergy related topics



Why we need collaboration in transport

SOCIAL RES	PONSIBILITY	ECONOMIC EFFICIENCY		
SUSTAINABILITY	CONGESTION	SERVICE	COST	
		HGV driver shortage is 'a ticking time bomb' for UK logistics sector, say MPS Tabl/2015 Add to favories Add to favories The problems of recruiting younger expletion the haudage instativy, as a way of solving the driver shortage crisis, was revealed by a new report elevate the haudage instativy, as a way of solving the driver shortage crisis, was revealed by a new report elevate the the budage instativy, as a way of solving the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report way of solving the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage crisis, was revealed by a new report elevate the driver shortage cri		
ROAD TRANSPORTATION HAS 4X MORE CO2 EMISSIONS THAN RAIL/BARGE	COST OF CONGESTION IN EU28 IS ESTIMATED @ 1% OF THE GDP OR €170 BILLION	420.000 TRUCK DRIVERS ARE NEEDED IN THE EU28 BY 2020	57% INEFFICIENCY OF WHICH 15% IS LOW HANGING FRUIT VIA COLLABORATION	

COMPANIES WILL TAKE SOCIAL RESPONSIBILITY IF SUPPORTED BY ECONOMICALLY EFFICIENT MEASURES



Can we bundle flows between the important Clusters in the TEN-T by synchromodal connections?

Dourges, Duisburg, Piraeus, Trieste/Bologna, Trelleborg, Zaragoza



Next steps

 Get a combined overview of the transport in Europe and the Ten-T network

CLUSTERS 2.0 project

- > Zoom in on terminal areas/clusters in the project
- Zoom in on companies, supported by CargoStream



Combined overview of the transport in Europe and the Ten-T network



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Zoom in on terminal areas (1/2)

Reachable regions for the terminals

A NUTS2 region is in reach of a terminal if the transport time (by road) to a terminal is less then 2 hours





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Zoom in on terminal areas (2/2)

Transport between the terminal areas

Map shows the lanes that have enough tons for at least one train (i.e. 150,000 tons per year)





Zoom in on companies

CURRENT SITUATION

- Each actor is optimizing with a few usual suspects, resulting in limited volumes, limited insights, limited gains.
- We all act local with ad hoc measures.

CHALLENGE

- How to go from local actions to a global playing field?
- How to go from ad hoc measures to a holistic approach?











How do we scale collaboration



VIA A DATA SHARING PLATFORM: CARGOSTREAM



SOME CURRENT MEMBERS

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CARGO







BY JOINING ONE CARGOSTREAM COMMUNITY, YOU ACCESS A WIDE RANGE OF OPTIMIZATION POSSIBILITIES





Optimization possibilities that Argusi provides in Clusters 2.0

- > Collaboration and modal shift optimization
 - At macro level based on EuroStat => insights in maximum potential
 - At company level based on CargoStream => matchmaking, synergy

calculation, customized insights in own potential







Questions?

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JOIN!



JOIN CARGOSTREAM AS A SHIPPER.

JOIN CARGOSTREAM AS A TERMINAL/OPERATOR.

JOIN CARGOSTREAM AS A LOGISTIC SERVICE PROVIDER.

JOIN CARGOSTREAM AS A VALUE ADDED SERVICE PROVIDER.





WELCOME ON BOARD OF THIS OPEN NETWORK



Steps to join CargoStream



1. Agree with GT&C + NDA



3. Get bundling suggestions



2. Upload your transport instructions



4. Activate membership

Monthly member fee				
Shipper Category (Annual Turnover)	1 year commitment			
SME (≤ € 50 million)	€ 250			
Large (≤ € 500 million)	€ 500			
Enterprise (> € 500 million)	€ 1.000			