



EUSALP EU STRATEGY FOR THE ALPINE REGION

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Preparatory study to investigate and optimise multi-modal logistic chains

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LINKS FOUNDATION

10th EUSALP AG4 Meeting
18-19 March 2019 Bolzano

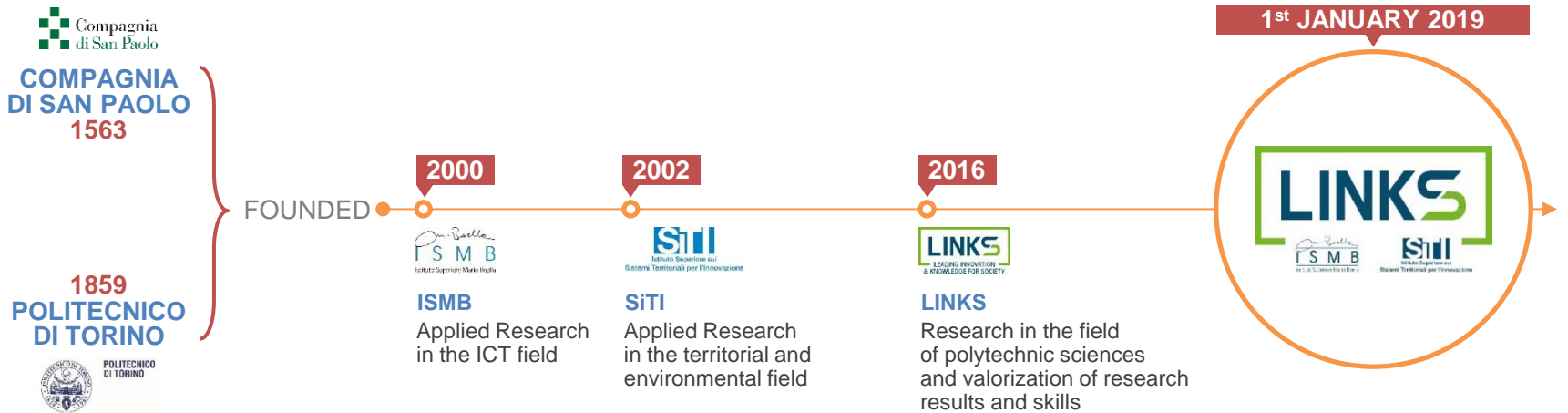


The project is co-financed by the European Regional Development Fund.

LINKS FOUNDATION

The LINKS Foundation was founded in 2016 exploiting and enhancing the experience and the know-how gathered by both Istituto Superiore Mario Boella (**ISMB**) and Istituto Superiore sui Sistemi Territoriali per l'Innovazione (**SiTI**).

In 2018 the process of merger by incorporation of ISMB and SiTI into the LINKS Foundation was completed.



80 million people, 7 countries, 48 regions, mountains and plains addressing together common challenges and opportunities



LINKS FOUNDATION

160 EMPLOYEES	115 ON GOING PROJECTS	24 PATENTS 3 IN 2018
16,3 M € BUDGET 2018		6,6 M € CONTRIBUTION CoSP 2018 8,0 M € ALLOCATED BUDGET 2018
2146 TOTAL PARTNERS	636 ACTIVE PARTNERS	13 EU WORKING GROUPS

80 million people, 7 countries, 48 regions,
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Context and aims

Context

- Intermodal transport: desirable option especially due to environmental issues in the area
- the EUSALP area enjoys a positive balance in terms of trade flows
- containers required to carry export goods are not always available: there is not a matching flow of incoming containerised goods

but

- empties are not a matter often considered in publicly available data
- they are mostly a matter for operators

Study aims in short

Understand the issues with empties and put forward practical ways forward

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Context and aims

Study aims

Looking at a selection of locations in the EUSALP Region

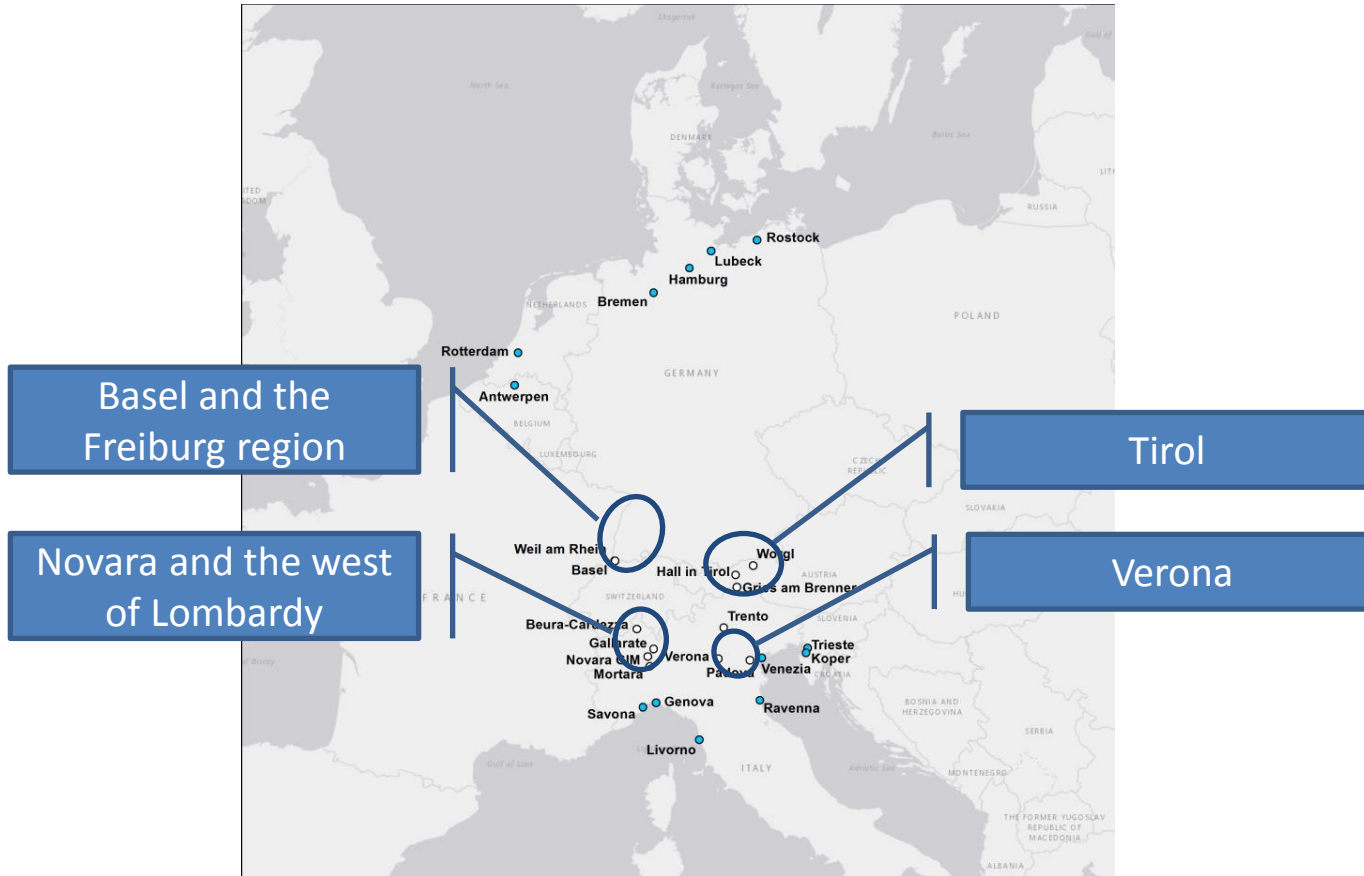
- Understand **where issues with empty containers exist** and their relevance
- **Collect practices used, suggest additional practice, validate them in workshops with stakeholders**
- **Suggest further work to optimise logistics** with particular reference to empty containers management

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Work and output in four steps



Study areas



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Current work: data collection

Data from ports

Data from terminals

Data from public statistics

Port: HAMBURG					
Short description					
Total maritime flows (TEU)					
	2017	2016	2015	2014	2013
Empty	1.190.000	1.280.000	1.290.000	1.270.000	1.240.000
Full	7.630.000	7.630.000	7.530.000	8.460.000	8.020.000
Total	8.820.000	8.910.000	8.820.000	9.730.000	9.260.000
Transshipment flows (TEU)					
	2017	2016	2015		
	3.200.000	3.320.000	3.270.000		
Gateway flows (TEU)					
	2017	2016	2015		
	5.620.000	5.590.000	5.550.000		
Landside modal split for container transport					
Truck / train / barge					
	2017				
Road	56%				
Railway	42%				
IWW	2%				
Direct intermodal train connections					
Port terminal / inland terminal /operator / trains per week					
Map of connections					
Forecasts (TEU)					
		2030			
Hinterland	10.100.000				
Transshipment	6.300.000				
Total	16.400.000				

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Current work: data collection

Data from terminals

- Flows
- Number of trains to/from where
- Types of ITUs
- Who owns the containers and how to contact them
- Issues with empties
- Where they are stored
- Current solutions
- Possible abandoned solutions

Preparatory study and dialogue events with strategic implementation partners to investigate and optimise multimodal logistic chains

Questionnaire

Please fill in directly or write to alesandro.musco@linksfoundation.com to fill it in during a phone call lasting 15-20 minutes at most

The LINKS foundation and EUSALP are grateful for your help!

Terminal generalities

1	Can the terminal manage ADR products?	YES/NO
2	Which ADR classes?	

Please indicate how much is the traffic of intermodal trains and trucks at the terminal

3	Number of trains per week	
4	Number of terminals or ports connected by train	
5a	Number of trucks per day	
5b	or Number of trucks per week	

Please indicate how much is the intermodal traffic per year at your terminal

6a	Overall number of ITUs per year	
6b	or number TEUs per year	
6c	or number crane moves/year	

Please report an estimate of the traffic of ITUs per year **or** of their percentage share

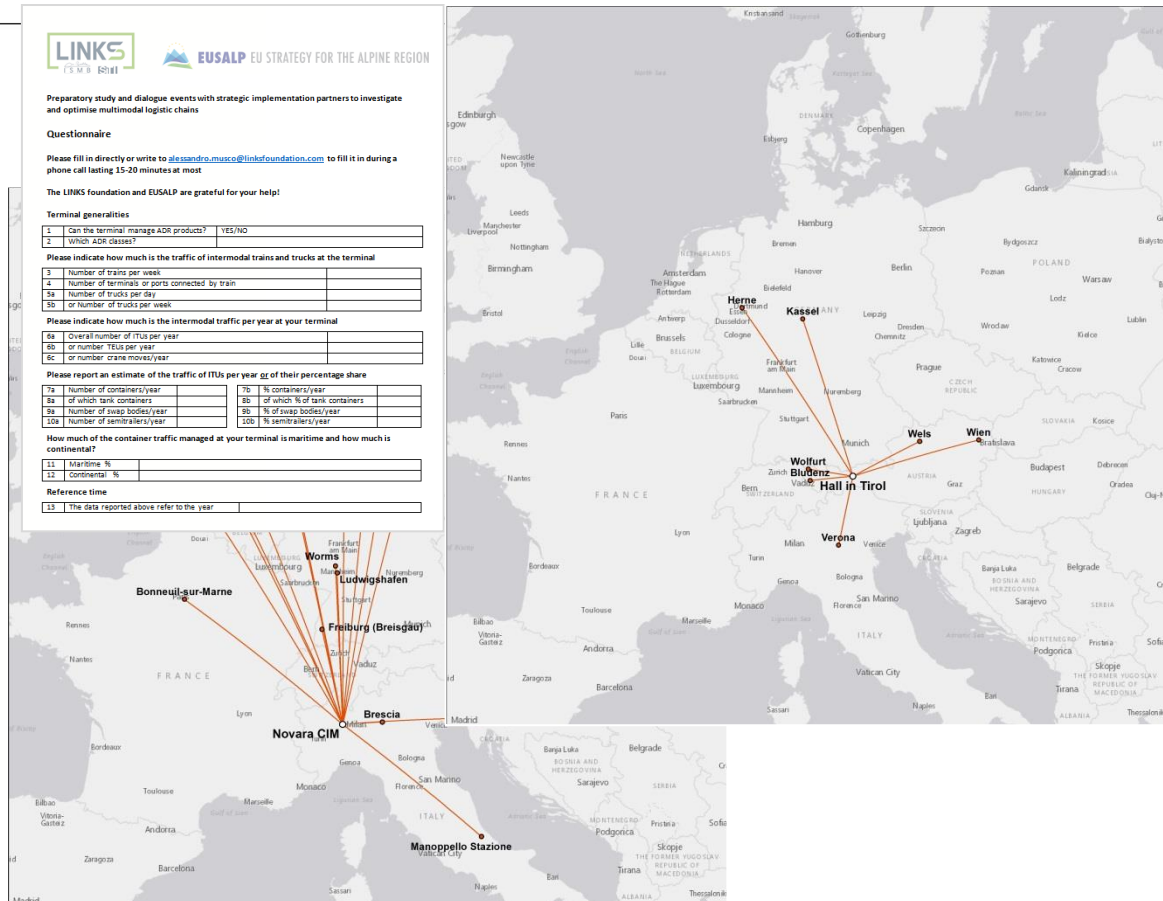
7a	Number of containers/year	7b	% of containers/year
8a	of which tank containers	8b	of which % of tank containers
9a	Number of swap bodies/year	9b	% of swap bodies/year
10a	Number of semitrailers/year	10b	% semitrailers/year

How much of the container traffic managed at your terminal is maritime and how much is continental?

11	Maritime %	
12	Continental %	

Reference time

13	The data reported above refer to the year	
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Early feedback from terminals

Initial feedback

- **no issues with empties at terminals that replied so far**
 - in Novara and Domodossola
 - In Verona (but we are shifting to Padova)

- no use of foldable containers

In case of need of additional empty containers they are transported by truck

- base solution: commercial activity by MTO, who is in touch with maritime carrier

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Initial points

Key stakeholders: who owns the containers and their strategies (the may pursue balance at global/regional level rather than at local level)

Several practices possible:

- **Improved commercial activity by MTOs**
- Container sharing
- Foldable containers

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