

# EU-funded Project Capacity4Rail Interactive Workshop

## A New Competitive, Reliable, Sustainable and Connected Rail Freight Transport

**26 June 2017**

Maison des Associations Internationales  
rue Washington, 40  
B-1050 Bruxelles, Belgium

## Detailed Programme & Practical Information

*An event co-organised by:*



**SAPIENZA**  
UNIVERSITÀ DI ROMA



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## The FP7 EU-funded project Capacity4Rail invites you to an **Interactive Workshop** on 26 June 2017 in Brussels!

This public event targets experts from railway undertakings, infrastructure managers, wagon keepers, wagon operators, European and National authorities, decision makers for traffics, railway manufacturing industry, rail freight stakeholders and academia across Europe.

***The workshop will focus on innovations in wagon design, in connectivity, in terminal design and operations to match the changing needs of the logistics market in order to allow rail freight transport to find its right place in the supply chains.***

The program will present design innovations for wagons and their integration and impact on various train types, the most recent solutions for on-train and train-to-ground connectivity leading to the future freight train of 2030 and a vision for 2050. Cost benefit analysis and possible roadmaps to integrate these innovations will be presented and time will be dedicated to exchanges with the audience.

The event will also address innovative designs and operations for marshalling yards and multimodal rail-road/sea terminals that have been elaborated, simulated and economically assessed, both for medium-term and prospective visions.

New terminal concepts for improved asset utilization and smoother transfers will be presented and discussed with the audience.

**Join us, it will be a fantastic time for looking at the future scenarios of rail freight transport in 2030/2050 and of course to boost networking!**

**More info on programme, online registration and venue available soon on [www.capacity4rail.eu](http://www.capacity4rail.eu)!**

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# Programme

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26 June 2017

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**10:30 – 11:00** Welcome coffee and Registration

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**11:00 – 11:15** *Introduction and objectives of the day*

*Armand Toubol, NewOpera)  
Stefano Ricci, DICEA*

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**11:15 – 12:30** *The novel wagon, The novel train,  
The new connected Rail Freight Transport :*

*Armand Toubol, NewOpera*

1. The efficiency parameters for the various stakeholders
  2. The innovations fields impacting these parameters
    - a. --Changes to the wagon design
    - b. --Changes to the train composition
    - c. --Changes to the infrastructure management
    - d. --Changes in the operations processes
    - e. --Changes in the connectivity
  3. Cost benefit analysis of these changes
  4. Consolidated changes impact on the efficiency parameters
  5. Roadmaps to introduce the changes
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**12:30 – 13:15** *Questions and Answers*

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**13:15 – 14:30** *Lunch*

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**14:30 – 15:45** *Rail-Road; Rail – Sea, Marshalling Yards: Enhancement of Interfaces*

*Stefano Ricci, DICEA*

1. Features and role of typical terminals and yards
  2. Key performance Indicators
  3. Real world case studies
  4. Innovative technologies and operational measures: role and applicability fields
  5. Future scenarios: effects of innovations
  6. Economical and financial feasibility
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**15:45 – 16:30** *Questions and Answers*

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**16:30 – 16:45** *Conclusions*

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## Speakers

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### **Armand Toubol**

Armand has been successively Alumni of Polytechnique and Civil engineer, responsible for Urban Planning and civil Works in the north Region of France, Director in the Port of Dunkirk, CEO of French part of Sealink, CEO of CNC container operator, SNCF Freight Director and SNCF executive Board member , Chairman of SNCF participation, and now retired as consultant in Rail Logistics, Lecturer at la Sorbonne University of Paris and Vice Chairman of Newopera.

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### **Stefano Ricci**

Stefano Ricci – is Associate Professor at Sapienza Università di Roma - Department of Civil, Environmental and Building Engineering (DICEA) - Transport Area. Chair of Transport Engineering Education Area. Responsible for railway and maritime transport research areas.

In C4R Stefano is Leader of WP2.3: Co-modal transshipment and interchange/logistics.

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## Practical information

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### Venue

**Maison des Associations Internationales**  
International Associations Centre

40 rue Washington  
1050 Brussels  
Belgium

Telephone: +32 2 640.16.65 Fax: +32 2 646.05.25  
[www.mai.be](http://www.mai.be)

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### Information and contact:

To know more about Capacity4rail, visit: <http://www.capacity4rail.eu/>

For more information on the workshop, please contact:

**NewOpera:**

Armand Toubol  
[armandtoubol@aol.com](mailto:armandtoubol@aol.com)

**DICEA (Sapienza Univ. Roma)**

Stefano Ricci  
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## The Consortium



*Co-funded under the 7<sup>th</sup> Seventh Framework Programme for research, technological development and demonstration of the European Commission, Capacity4Rail is bringing together a range of 46 stakeholders from 13 nations in an ambitious partnership: infrastructure managers, railway undertakings, logistics developers, research institutes and universities, industrial equipment providers, engineering companies, end-users...*

### Facts and figures:

Total budget: € 15 million  
(€9.9 M€ funded)

Duration: 48 months

Project start date: 01/10/2013

Project end date: 30/09/2017

Partners: 46

Grant agreement: n° 605650

### Project coordination:

**International Union of Railways**

16, rue Jean Rey, 75015 Paris, France

### Coordinator:

**Álvaro ANDRÉS ALGUACIL**

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[www.capacity4rail.eu](http://www.capacity4rail.eu)

