



supergreen

The SuperGreen project

a project led by the
National Technical University of Athens (NTUA)

Harilaos N. Psaraftis, NTUA
Atle Minsaas, Marintek

7th Framework Programme



- Theme title: Transport (including Aeronautics)
- Type of project: Coordination and Support Action
- Project full title: Supporting EU's Freight Transport Logistics Action Plan on Green Corridors Issues
- Project acronym: SuperGreen

Background

Freight Transport Logistics Action Plan (2007)

- Green transport corridors for freight.
- Green Corridors should in all ways be environmentally friendly, safe and efficient.
- Emissions, internal as well as external costs should be considered.



Objectives

- ***Support and recommendations*** on Green Corridors to EU's Freight Transport Logistics Action Plan.
- ***Encourage co-modality*** for sustainable solutions.
- ***Overall benchmarking*** of Green Corridors based on selected KPIs covering all aspects related to transport operations and infrastructure (emissions, internal and external costs).
- Conduct a programme of ***networking activities between stakeholders*** to facilitate information exchange, dissemination of research results and communication of best practises and technologies.

Objectives, contd.

- ***Deliver studies*** addressing topics important for the further development of Green Corridors.
- ***Deliver policy recommendations*** at a European level for the further development of Green Corridors.
- Provide ***recommendations concerning new calls for R&D*** proposals to support development of Green Corridors (eliminate bottlenecks).

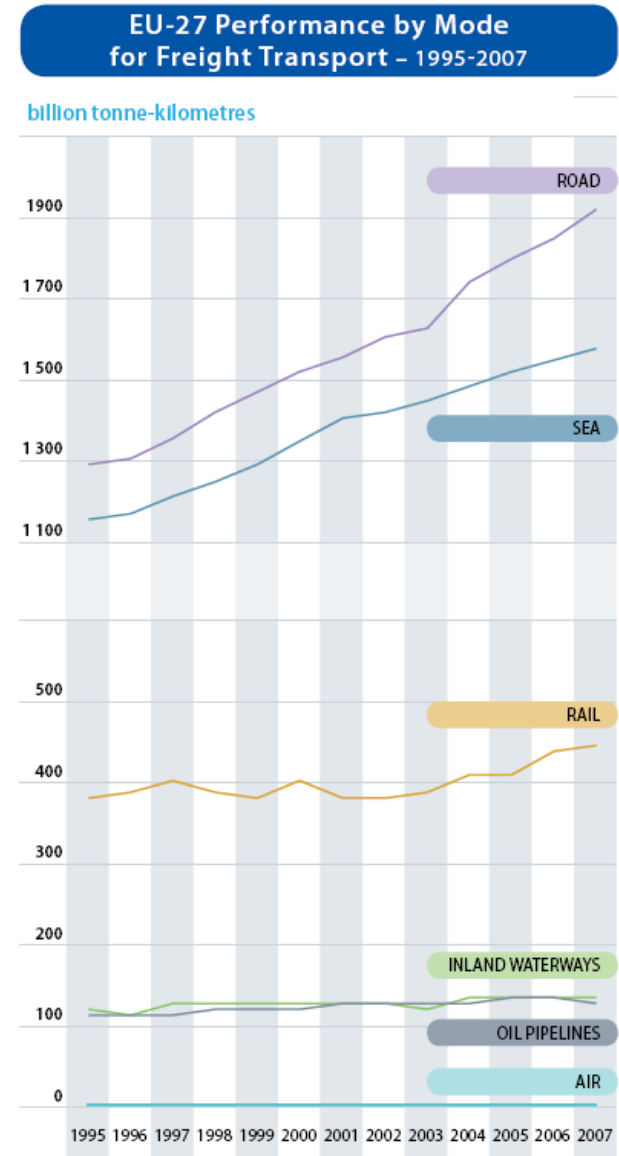
SuperGreen stakeholders

- transport operators
- terminal operators including ports
- infrastructure operators
- cargo owners (shippers)
- industry/consultants
- non Governmental Organisations (NGOs)
- environmental organisations
- authorities responsible for social and spatial planning
- R&D organisations and universities

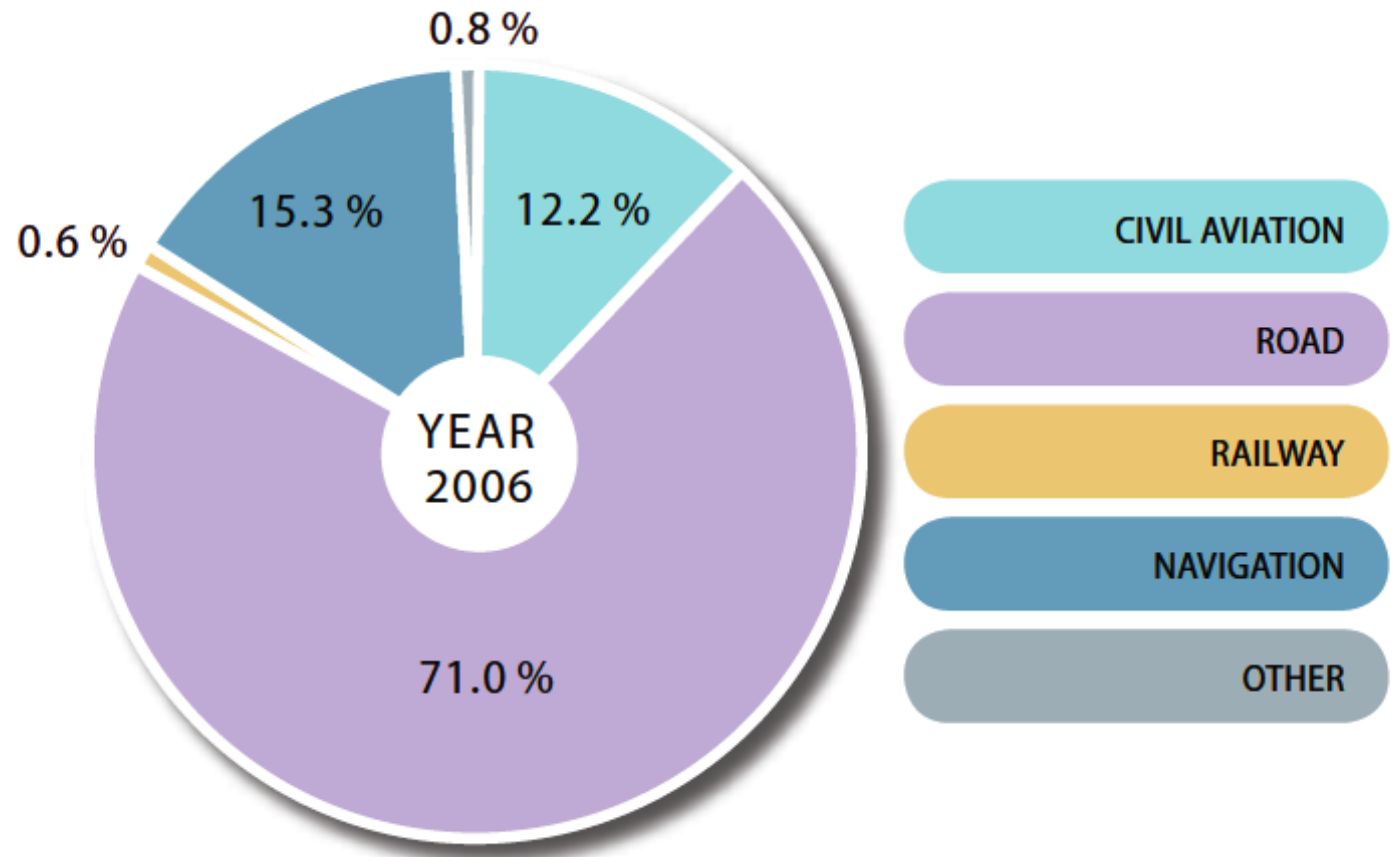


All surface modes covered

- Road
- Rail
- Sea
- Inland Navigation



CO₂ emissions shares



What is a green corridor?

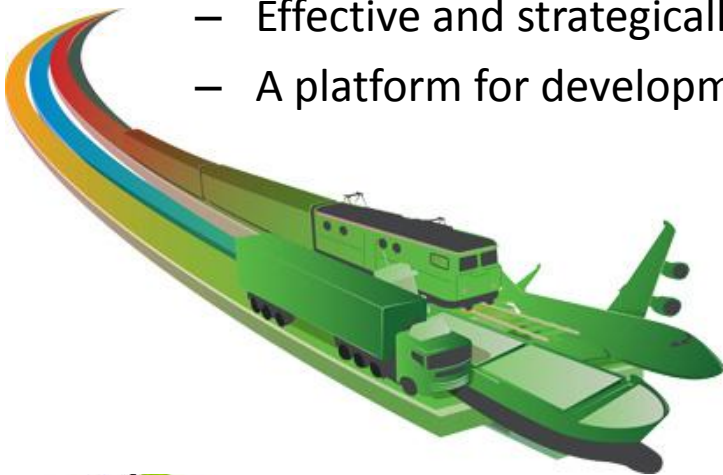
EU Commission:



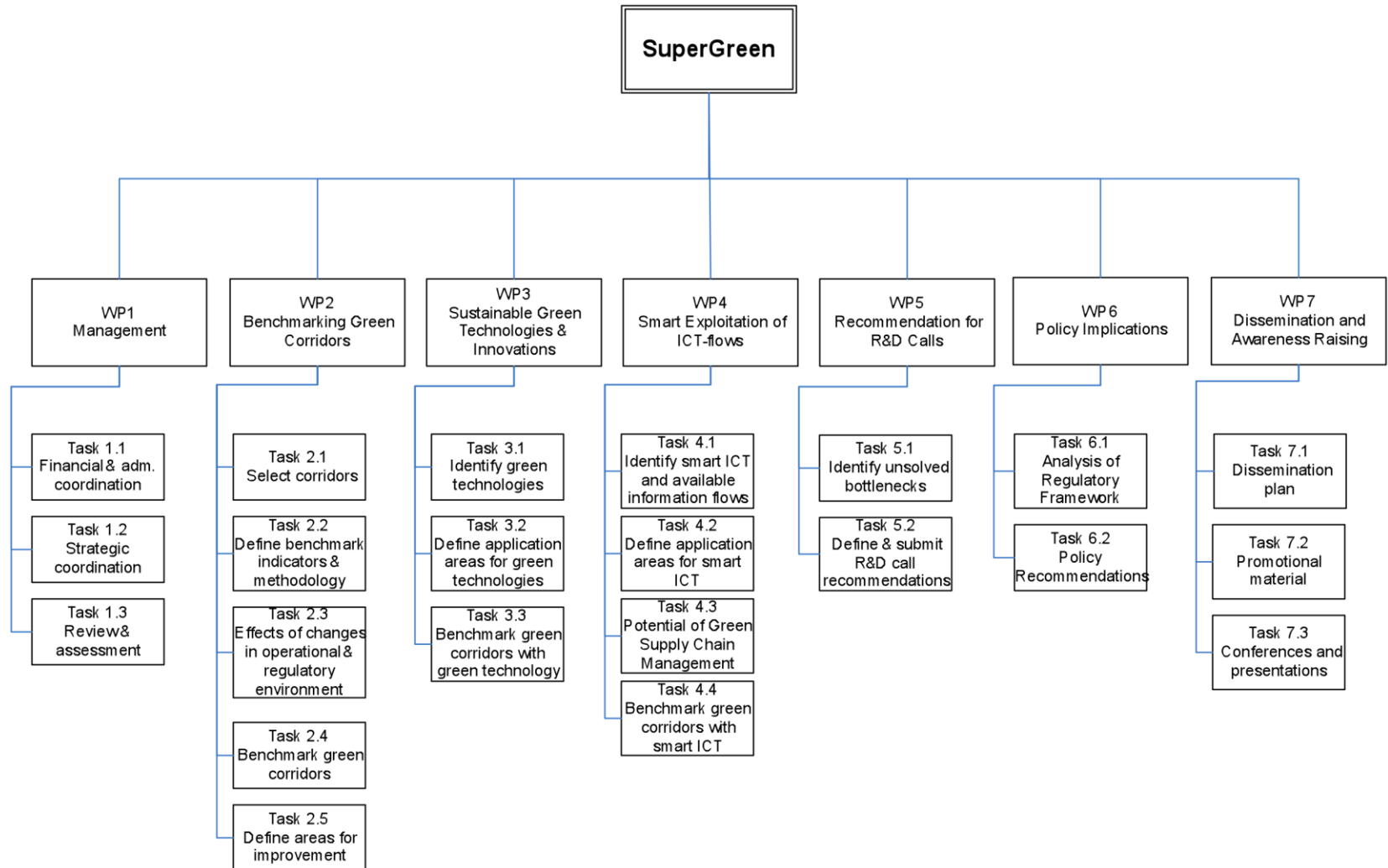
- Green Corridors are a European concept denoting long-distance freight transport corridors where advanced technology and co-modality are used to achieve energy efficiency and reduce environmental impact.

What is a green corridor?

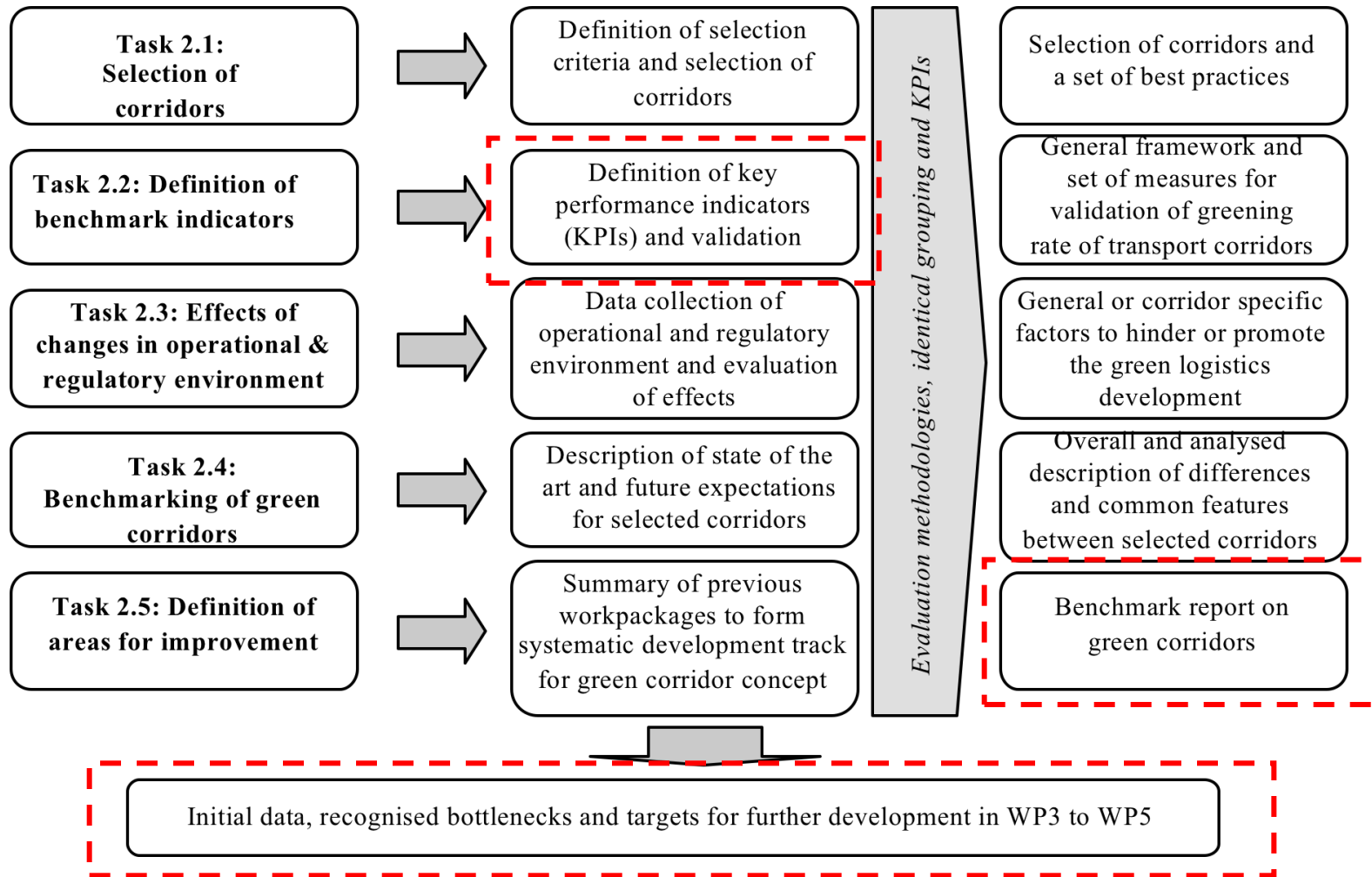
- Definition by the Swedish Ministry:
A green transport corridor is characterised by:
 - Sustainable logistic solutions
 - Integrated logistic concepts with utilisation of comodality
 - A harmonised system of rules
 - National/international goods traffic on long transport stretches
 - Effective and strategically placed transshipment points and infrastructure
 - A platform for development and demonstration of innovative logistic solutions



SuperGreen work package structure



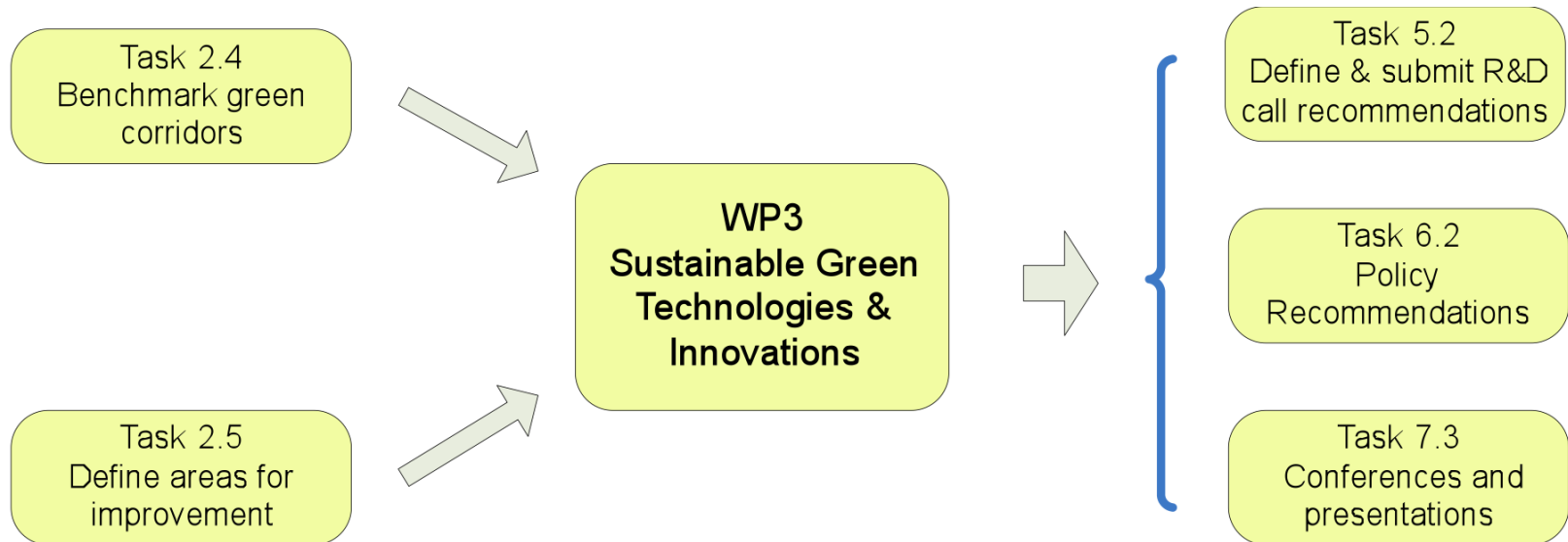
WP2: benchmarking green corridors



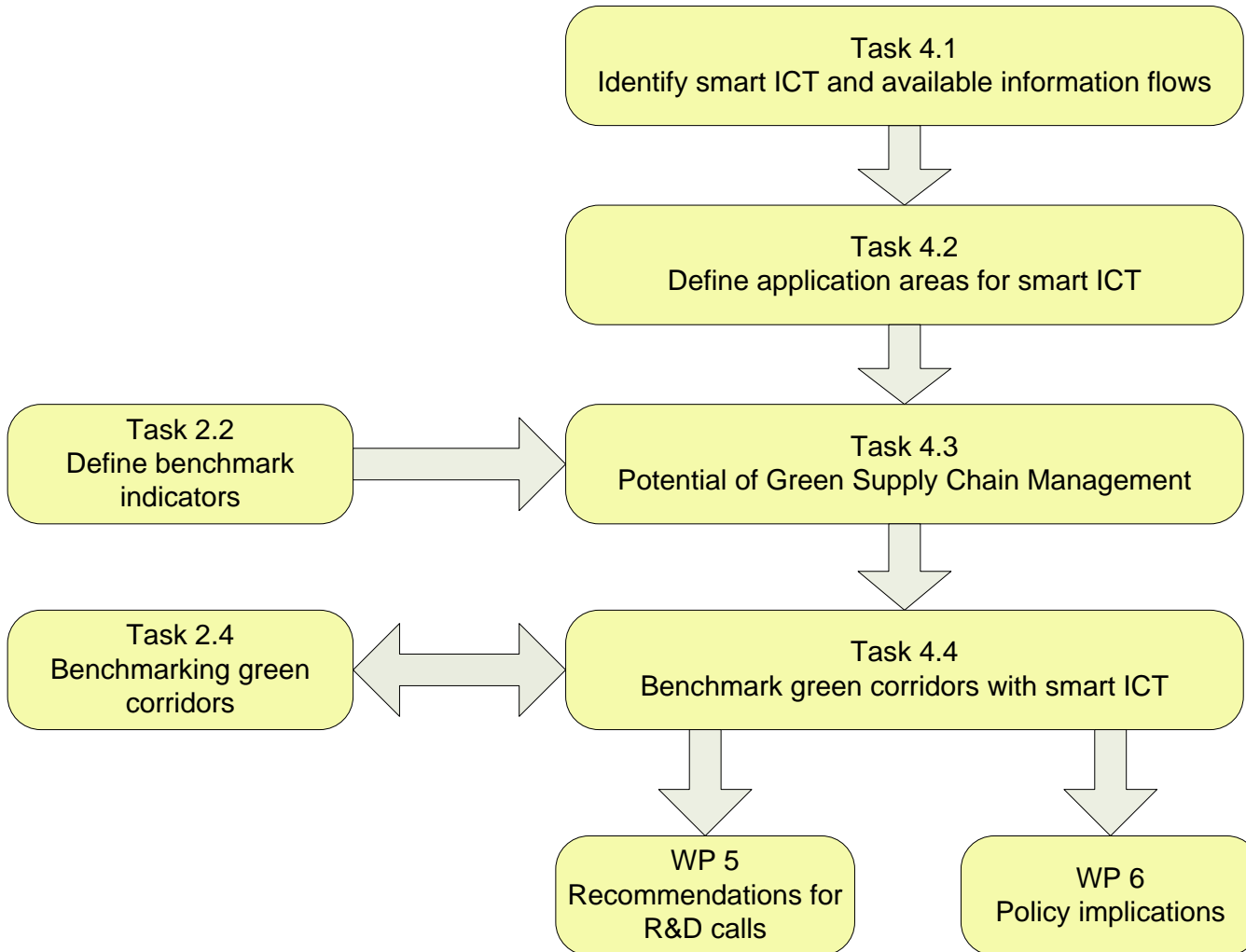
First issues to be addressed

- Which corridors to select for study?
- How to benchmark them? (KPIs)

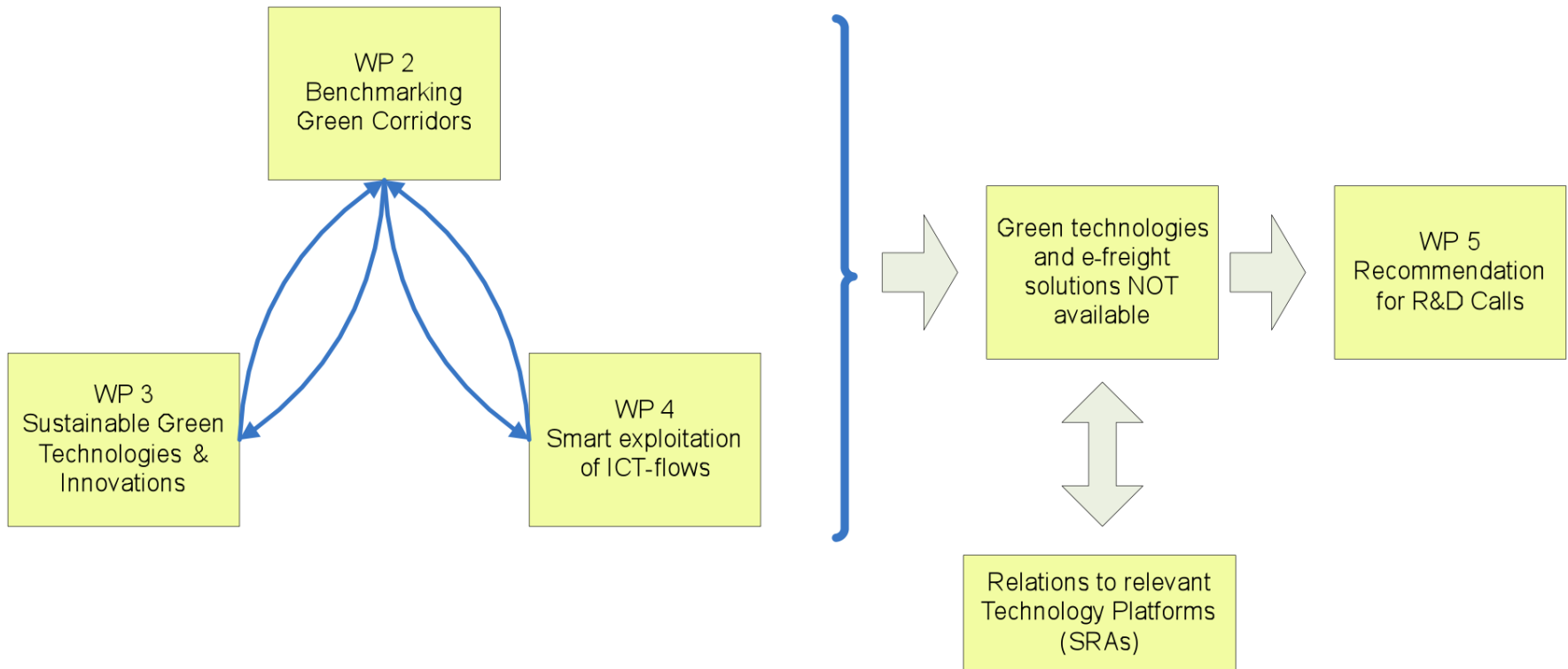
WP3: Sustainable green technologies and innovations



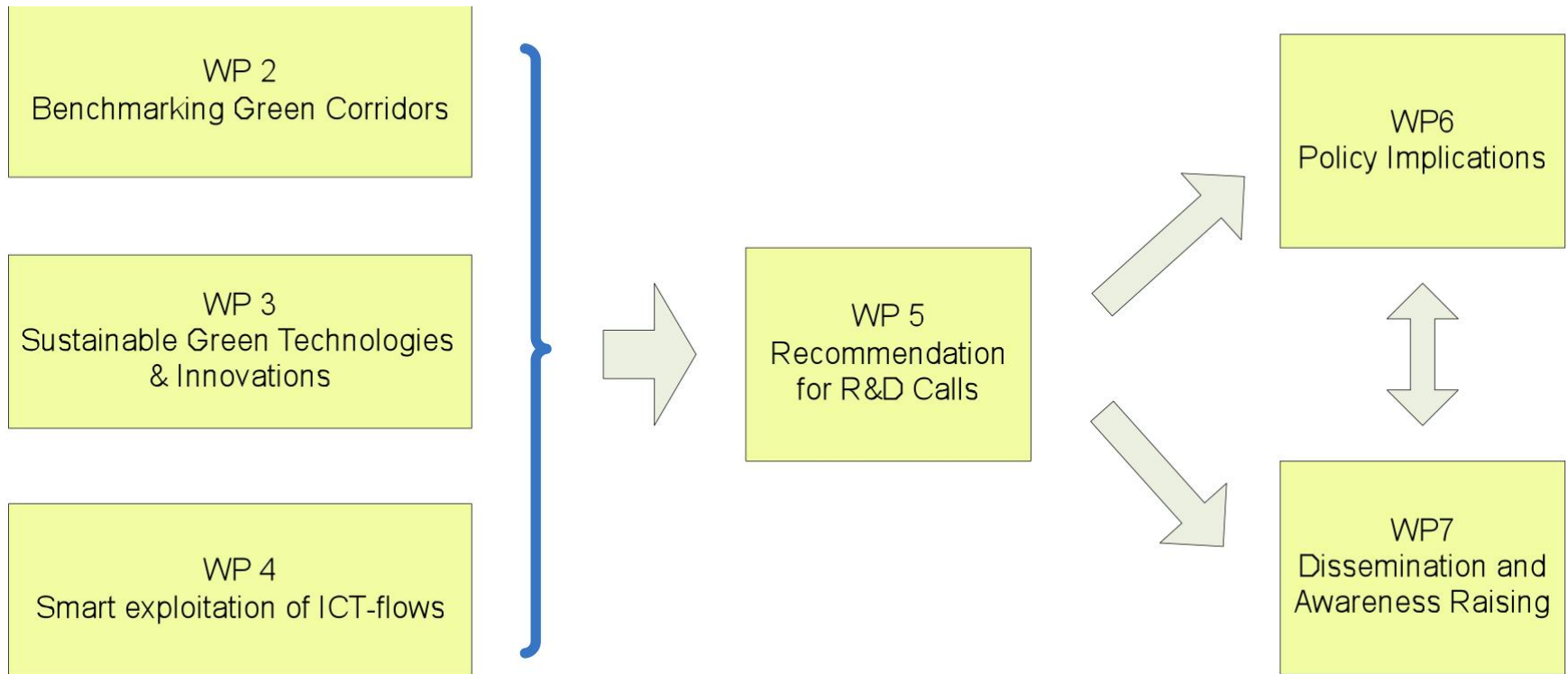
WP4: Smart exploitation of ICT flows



WP5: recommendation for R&D calls



WP6: Policy implications



WP7: dissemination & awareness raising

- Dissemination plan
- Promotional material
 - Newsletter
 - Web site
- Friends email list
- Conferences and presentations
 - 3 major workshops, 4 technical

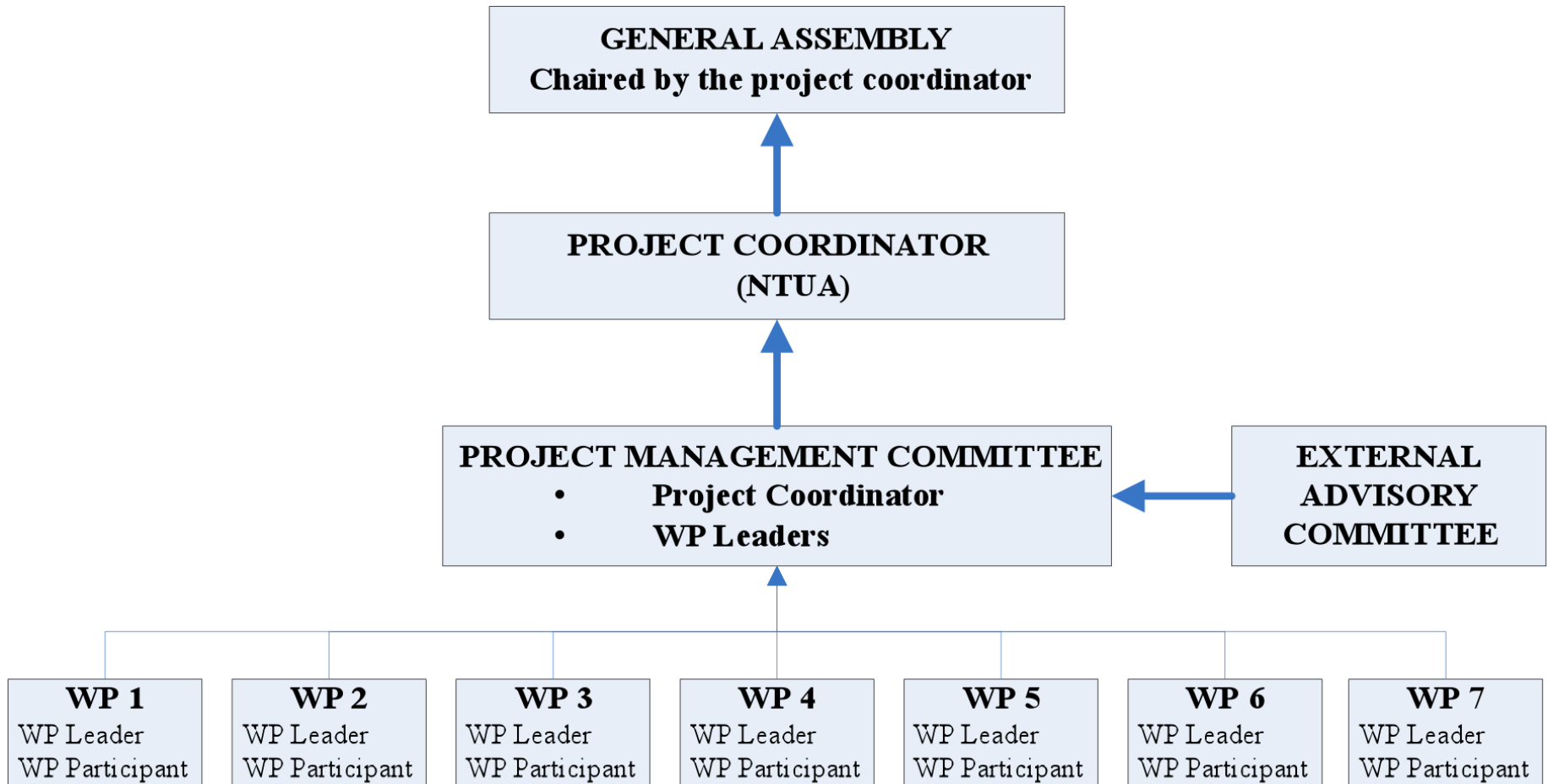
The consortium

Partner Number *	Partner name	Partner short name	Country
1 (Coordinator)	National Technical University of Athens	NTUA	Greece
2	Norsk Marinteknisk Forskningsinstitutt AS, MARINTEK	MAR	Norway
3	Sito Ltd (Finnish Consulting Engineers Ltd)	SITO	Finland
4	D'Appolonia S.p.A.	DAPP	Italy
5	Autoridad Portuaria de Gijón Gijón Port Authority-	PAG	Spain
6	DNV Det norske Veritas	DNV	Norway
7	via donau Österreichische Wasserstraßen-Gesellschaft mbH	VIA	Austria
8	NewRail - Newcastle University	UNEW	UK
9	CONSULTRANS	CONS	Spain
10	PSA Sines	PSAS	Portugal
11	Finnish Transport Agency	FMA	Finland
12	Straightway Finland Ry	SWAY	Finland
13	SNCF Fret Italia	SFI	Italy
14	Procter & Gamble Eurocor	PG	Belgium
15	VR Group	VRG	Finland
16	Lloyd's Register-Fairplay Research	LRFR	Sweden
17	Hellenic Shortsea Shipowners Association	HSSA	Greece
18	Dortmund University of Technology	DUT	Germany
19	TES Consult Ltd	TES	Ukraine
20	Turkish State Railways	TCDD	Turkey
21	DB Schenker AG	SCH	Germany
22	Norwegian Public Road Administration	NPRA	Norway

Duration & budget

- Official start: 15 Jan. 2010
- Duration: 3 years
- Total budget: 3,453,747 EUR
- EC contribution: 2,634,698 EUR

Organizational structure



Advisory Committee

- Unique feature of the SuperGreen project
- Purpose: provide independent advice and feedback on key issues related to the progress of the project, and to validate its main results.
- Will ensure key stakeholder input into the project.
- Is invited to participate in selected meetings and workshops.

NAME	Organisation
Herman de Meester	European Community Shipowners Association (ECSA)
Karin de Schepper	Inland Navigation Europe (INE)
Jacques Dirand	Community of European Railway and Infrastructure Companies (CER)
Rein Juriado	European Commission, DG-MOVE (SuperGreen project officer)
Fuensanta Martinez Sans	ACEA-European Automotive Manufacturers Association
Manfred Reuter	Hamburg Port Authority
Algirdas Sakalys	Competence Centre of Intermodal Operators Transport and Logistics (CCITL) of Vilnius Gediminas Technical University (VGTU)
Jerker Sjögren	Ministry of Enterprise, Energy and Communications, Sweden
Nicolette van der Jagt	European Shippers Council (ECS)
Michel Violland	International Transport Forum (OECD)
Peter Wolters	European Intermodal Association (EIA)

Stakeholder input

- Industry participation in stakeholder workshops
 - 1st plenary w/s: **Helsinki, 28 June 2010**
 - 1st **regional** w/s: **Napoli, TODAY**
 - Next w/s: **Antwerp, 1 Feb. 2011**
 - More regional workshops: spring 2011
 - 2 more plenary workshops (thru 2013)
- Through Advisory Committee
- Link with other projects and related activities

Smart ways to get connected

- Give us a call or send an email!
- Send an email to supergreen@martrans.org
(SuperGreen friends email list: keeping track of the project)
- Visit our web site www.supergreenproject.eu

Library section of site



Supporting EU's Freight Transport Logistics Action Plan on Green Corridors Issues

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Studies and EU documents

--> Click [here](#) to see a list of relevant studies.

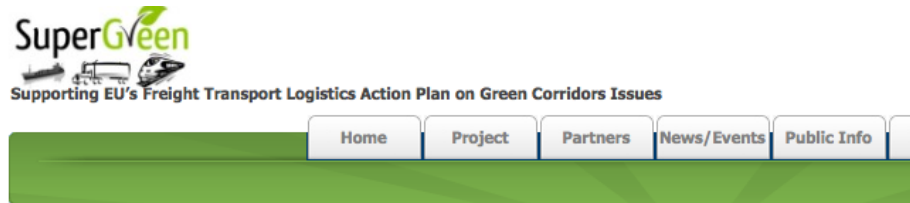
Link to relevant Projects

--> Click [here](#) to see a list of relevant projects.



The purpose is to promote the freight log friendly manner. Environment increasing role in all transport approaches are needed solutions. SuperGreen will corridors' covering some main transport routes through SuperGreen is a Coordinated European Commission (DC 7th Framework Programme

Links to projects



Library/Projects

ALL MODES / LOGISTICS

[BELOGIC](#): Improve the quality and efficiency within and across different modes of transport, by means of benchmarking in logistics and co-modality

[BESTLOG](#): Establish an exchange platform for the improvement of supply chain management practice across Europe

[BRAVO](#): Develop and demonstrate an action strategy on intermodal rail-road transport services comprising major scientific and technological as well as pragmatic activities along the Brenner corridor

[CAESAR](#): CA for the European Strategic Agenda of Research on Intermodalism and Logistics

[CHINOS](#): Support transport operators by employing innovative IT technology solutions

[DE-LIGHT TRANSPORT](#): Develop new solutions, methods and tools for the design, production and integration of complex modular lightweight structures in ships, intermodal transport containers and railway vehicles

[e-FREIGHT](#): Denotes the vision of a paper-free, electronic flow of information associating the physical flow of goods with a paperless trail built by ICT, including the ability to track and trace freight along its journey across transport modes and to automate the exchange of content-related data for regulatory or commercial purposes.

[EU TRANSPORT GHG: ROUTES TO 2050?](#): Take a first step in developing a long-term strategic approach to ensuring the compatibility of transport's GHG emissions with the EU's long-term climate goals.

Links to studies/EU docs



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Studies/EU documents

All relevant studies and documents have been categorized and you can access each category by clicking on the menu on the right.

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Example: railways



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Studies/EU documents - Railway


[Infrastructure Capacity Reserves for Combined Transport by 2015](#). European Commission, 2004  [5 MB]


[Railimplementation: The implementation of the EU Directives 2001/12, 2001/13 and 2001/14 in the Member States](#) European Commission, 2006  [9 MB]


[Assessment of present and likely future conditions of providing rail related services](#) European Commission, 2006  [7 MB]

[Harmonised Register of Train Drivers](#) European Commission, 2006  [6 MB]

[Insurance of railway undertakings](#) European Commission, 2006  [932 KB]

[Preparatory study for an impact assessment for a rail network giving priority to freight](#) European Commission, 2007  [2 MB]

[Rail training 2020](#) European Commission, 2007  [2 MB]

[Rail interoperability & safety \(Transposition of legislation and progress on the field Kema-RTC\)](#) European Commission, 2007  [3 MB]

[Compliance regarding EU-Railway law and OSJD-Railway law](#) European Commission, 2007  [2 MB]

[Impact Assessment Study on rail noise abatement measures addressing the existing fleets](#) European Commission, 2007  [2 MB]

[Analysis of the Compatibility of a Single/Multiple WIMO Architecture with the TAF TSI Regulation](#) European Commission, 2009  [259 KB]

[Best Practice Guide for Network Statements - Final report](#) European Commission, February 2010  [2 MB]

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Strategy

Today's workshop

0830-0900	Registration and coffee
0900-0930	Welcome statements Prof. Harilaos Psaraftis, National Technical University of Athens, Coordinator of SuperGreen project Cav. Gianni Punzo, President of Interporto Campano Bartolomeo Giachino, Vice Minister for Transport (Sottosegretario)
0930-0950	Greening of transport and the SuperGreen project Rein Jüriado, European Commission, DG-MOVE (SuperGreen project officer)
0950-1015	Overview of the SuperGreen project Harilaos Psaraftis, NTUA Atle Minsaas, Marintek, Norway
1015-1040	The Corridors Selection process Ilkka Salanne, Sito, Finland
1040-1100	Coffee break
1100-1130	Key Performance Indicators for green corridors George Panagakos, NTUA, Greece
1130-1145	Benchmarking of Green Corridors Sergio Barbarino, Procter and Gamble, Belgium
1145-1215	Discussion
1215- 1415	Lunch (hosted by Procter and Gamble) and tour to Interporto Campano
1415-1600	Workshop group deliberations Sergio Barbarino, Procter and Gamble, Belgium
1600-1630	Coffee break
1630-1800	Panel discussion (issues list below not exhaustive) Which KPIs are more important? Which technologies are more promising? What barriers should be removed? What policy actions should be pursued? What other issues need attention? Moderator: Harilaos Psaraftis, NTUA Panelists: Sergio Barbarino, Procter and Gamble Bengt Gustafsson, East West Transport Corridor project Zeno D'Agostino, Naples Port Authority Rein Jüriado, European Commission Paul Kyprianou, Grimaldi Rod Loader, Interporto Campano Atle Minsaas, Marintek Guido Porta, I.Log Iniziative Logistiche Massimo Santori, Centro Ricerche Fiat S.C.p.A
1800	Workshop closure
2000	Dinner at "Serafina" restaurant, first floor Vulcano Buono (hosted by Interporto Campano)

* Presence of simultaneous translation service – Italian/English – English/Italian

Thank You!

WWW.SUPERGREENPROJECT.EU