



FREIGHT

e-Freight capabilities for Co-modal transport

**Achieving fundamental improvements
in Maritime & Logistics information exchanges**

Mary Vayou, Project Coordinator

BMT Group Ltd

About the e-Freight project



- Research and Development project
- Co-funded by the European Commission under the 7th Framework Programme
- Budget 12.6 m Euros, Funding 8.4 m Euros
- Started January 2010 runs until June 2013
- 31 partners from 14 EU Member States and Norway



e-Freight receives funding from the EC FP7 Sustainable Surface Transport Programme

Stakeholder representation in the consortium



| Stakeholder categories | Consortium partners |
|------------------------------------|--|
| Transport service providers | Schenker, DSV, SPC, ACOS, STENA, JDR, CSSA |
| Transport Infrastructure Providers | PORTBASE, Port of Cork, Port of Valencia |
| Administrations | Maritime Administration of Latvia, Via Donau |
| Transport research and consultancy | BMT, VTT, MARINTEK, ISL MARLO, HIT, NECL, TREDIT, Mobycon, FORDESI |
| ICT solutions organisations | INLECOM, PTV, eBOS, K-NET, MJC2 |
| Universities | Innsbruck, Budapest, Newcastle, Aegean |
| Professional institutions | Institute of logistics and transport |

Project vision



Enable Paperless Freight Transport and Logistics in a co-modal context

e-Freight receives funding from the EC FP7 Sustainable Surface Transport Programme

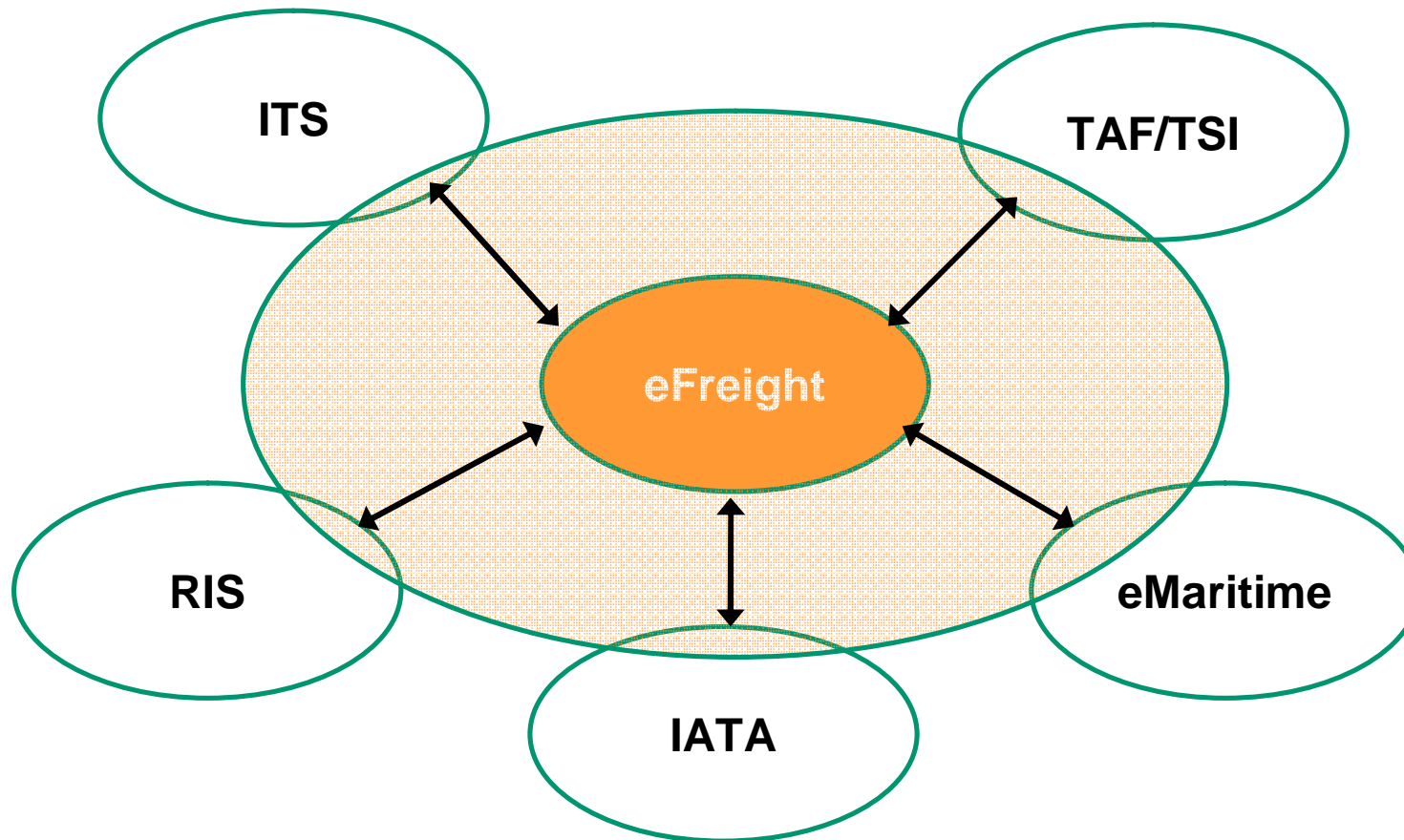
White Paper 2011



Initiative 7: e-Freight

Create the appropriate framework to allow tracking goods real time, ensure intermodal liability and promote clean freight transport

e-Freight connecting



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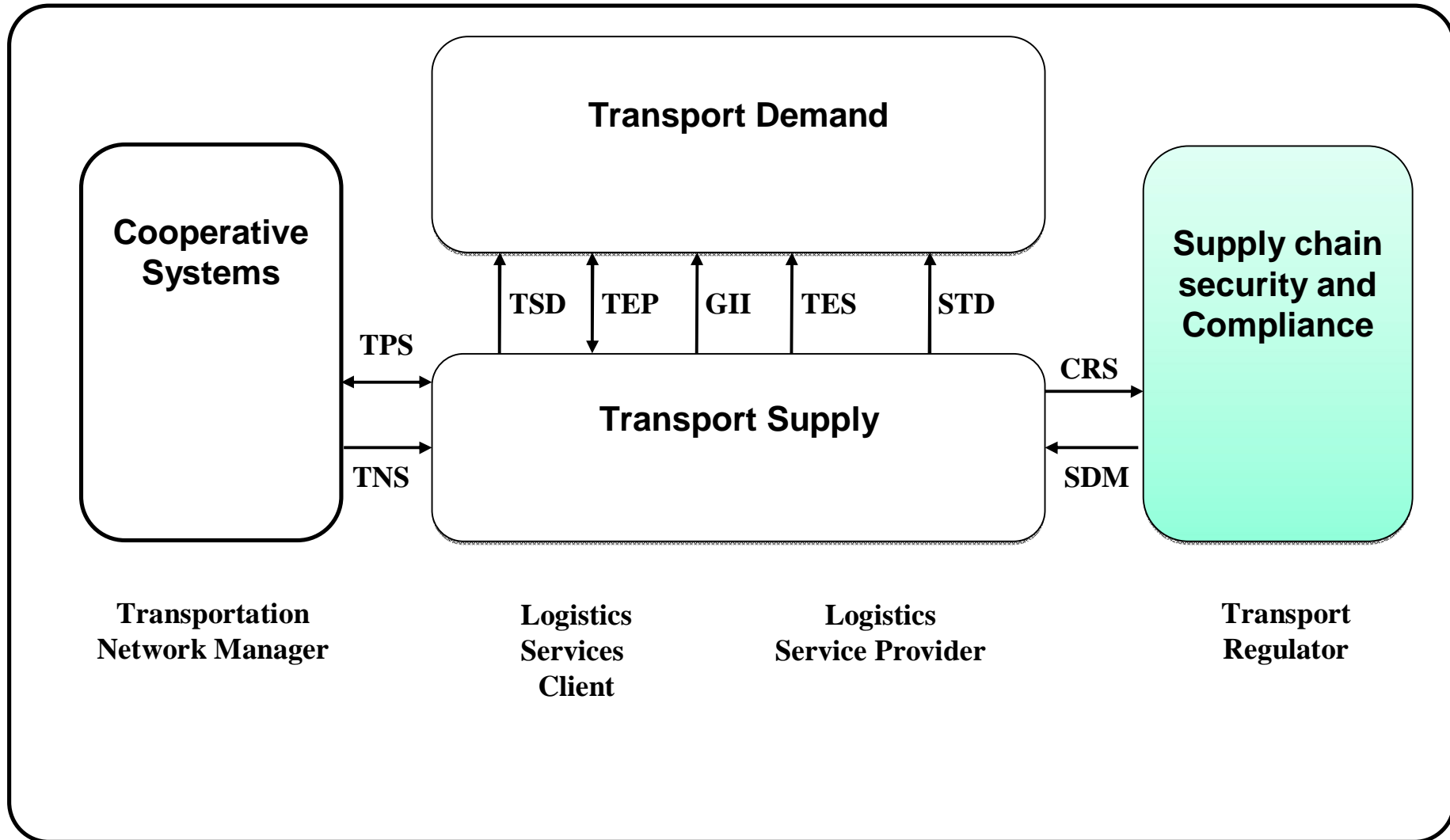
Achieving Interoperability



e-Freight Framework
Interoperability
Internet for cargo

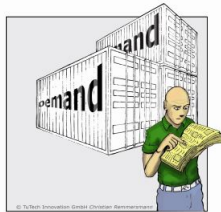
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Standard information exchange 'language': The e-Freight Framework



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Roles



Logistics Services Clients

- Shippers
- Freight Forwarders



Logistics Services Providers

- Terminal Operators
- Transport Operators (train, ship, inland waterways, air)
- Logistics Service Providers



Transportation Infrastructure Managers

- Port authorities
- Rail administrations
- Road administrations



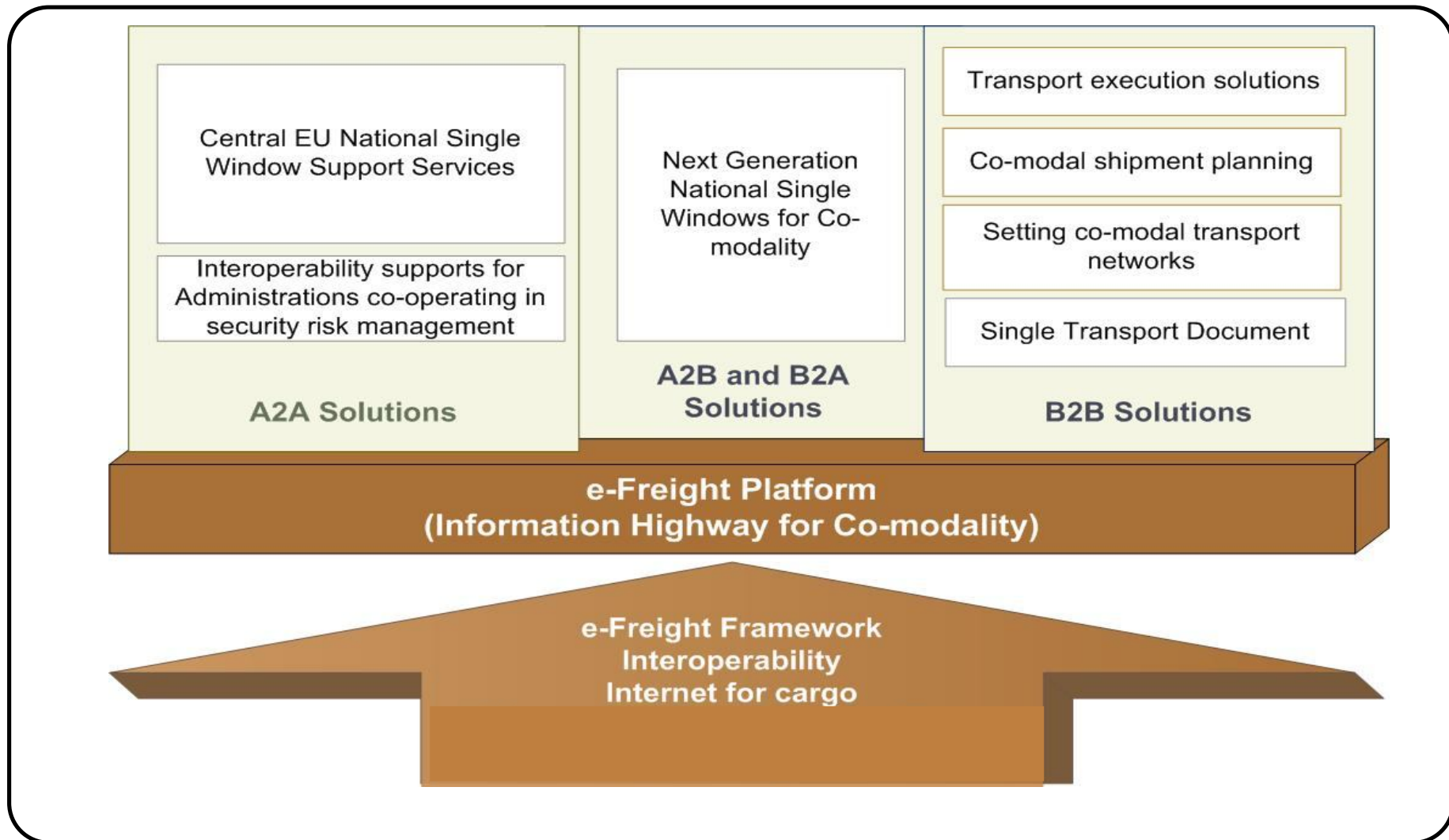
Transport Regulators

- Customs
- Safety Agencies
- Security Agencies

Consignee

Consignor

Demonstrating Interoperability in information exchange



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Software for Business



- Long term planning



- Operational planning



or



or

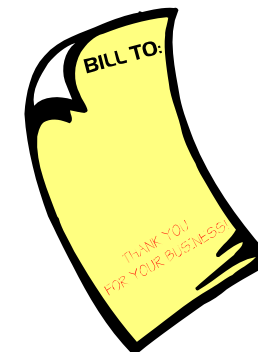


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- Execution



- Completion



Software Supporting Authorities



- **Single Window application**



- **Security risk management application**



Focus of Business Cases



| Business case | Companies | Modes | Primary Tasks | Transactions |
|---|--|--|---|--|
| BC1: Improving port/terminal efficiency and accessibility | STENA Schenker DSV | Ship, truck | T4.3 - Transport Execution Solutions - On trip monitoring (RFIDs); Depot/transshipment optimisation T4.2 Co-modal shipment planning | B2B (TEP, TES), RFID B2A (CRS) |
| BC2a: Transport between ARA ports and Germany | ACOS, CSSA | Truck, rail, ship, inland waterways | T4.2 Real-time shipment planning | B2B (TSD, TEP, TES, STD) B2A (CRS) |
| BC2b: Transport between Spanish ports and Spain inland | CSSA | Truck, rail, ship | T4.2 Real-time shipment planning optimisation | B2B (TEP, STD) |
| BC3: Road Transport Business Case | Jan de Rijk | Truck | T4.2 Real-time shipment planning T4.3 - Transport Execution Solutions | B2B (TEP, STD) A2B (TNS) B2A (CRS) |
| BC4: Transport between Lisbon and Spain/Portugal | Serviço Português de Contentores, SPC | Truck, rail, ship | T4.2 Co-modal shipment planning T4.3 - Transport Execution Solutions (Cross docking and internal warehouse operation Container depot) | B2B (TEP, TES), RFID B2A (CRS) |
| BC5: Co-modal transport for the Ireland, Britain, Mainland Europe Corridor | NECL and Port of Cork | Ship, truck | T4. 1 Setting co-modal transport networks | B2B (TEP) B2A (CRS) |
| BC6: Single Window and one-stop administrative shop | MAL PORTBASE VIA DONAU VAL | Ship, rail, truck | T3.2 Central EU SW Support Services and Next generation National Single Windows T3.3 Support services for co-operation between Administration in security risk management | B2A (CRG, IE) A2A (EU Support Services, RIS integration, Security) |

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Further Information



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