AIM

The aim of this Strategic Initiative logistics and ICT project within the INTERREG IVB North West Europe (NWE) programme is:

‘To strengthen the development of sustainable connectivity solutions for freight transportation and logistics in NWE on an east-west green axis through telematics & ICT solutions’.
THE PROJECT WILL SEEK TO:

- Unlock the potential of ICT technologies within intermodal transport chains to help develop improved freight transport logistics systems and chains, both for transnational transport axis (including corridors), and for regional/city distribution systems.

- Provide a globally-integrated framework for freight movement, realising synergies between previously isolated transport, information and communications systems.

THERE ARE TWO PRIMARY FIELDS OF ACTION:

- Transport and logistics chains.

- Connectivity to national/international freight “gateways” and hubs, and freight logistics management.

THE PROJECT ALSO AIMS TO:

1. Develop and test innovative approaches to freight logistics handling and logistics chains; including pilot projects and demonstration projects;

2. develop and demonstrate the potential of ICT for freight logistics management;

3. use results for improved urban/regional planning systems improve connectivity and accessibility in regions and/or North West Europe international transport corridors;

4. improve economic and environmental performance of regions (optimising logistics transport with less external effects).
WORK PACKAGES  (See WP presentation on the next pages for additional information)

These objectives will be achieved through 5 work packages covering:

1. infrastructure - public and policy dimension;

2. logistics services and operations - from the private sector;

3. Telematics and ICT tools to address gaps in the first 2 work packages;

4. developing cross-program liaison through potential synergies with CORRIDOR 24, CAMIS, CLUSTERING NORTH SEA PROGRAM, CAREX, CLIMATE KIC;

5. evaluation, demonstration and communication of the impacts (economic, social, environmental) and territorial benefits of this strategic initiative project.

TIMING

The project was conditionally approved on 2 and 3 December 2010 under the Strategic Initiative framework

Approval is subject to a series of conditions which are discussed in this period with the Secretariat of the INTERREG IVB North West Europe Program.

The expected duration of the project is of 66 months. The project is due to end by June 2015.
CURRENT PARTNERSHIP

Currently UK and France act as joint leads for the programme. Other key partners include France, Germany, Ireland, Luxembourg, The Netherlands and the United Kingdom. The project observers network covers all North West Europe countries including Belgium.

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<tr>
<th>Partner number</th>
<th>Name of the partner</th>
<th>Member state</th>
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<tr>
<td>1</td>
<td>CRITT Transport et Logistique (Lead Partner)</td>
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<td>2</td>
<td>IfS - Thames Gateway Institute for Sustainability</td>
<td>UK</td>
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<td>3</td>
<td>VRRN Verband Region Rhein-Neckar</td>
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<td>TUDOR - Centre de Recherche Public Henri Tudor</td>
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<td>10</td>
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<td>11</td>
<td>CTS Communication &amp; Tracking Services</td>
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<td>Mid-West Regional Authority</td>
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<td>AURH Agence d’Urbanisme de la Région du Havre</td>
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<tr>
<td>17</td>
<td>IDIT Institut du Droit International du Transport</td>
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<td>TTPNF Transports Terrestres Promotion Northern France</td>
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<td>22</td>
<td>BBZOB Samenwerkingsverband Regio Eindhoven</td>
<td>NL</td>
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WEASTFLOWS PROJECT WORK PACKAGES
OBJECTIVES AND ACTIONS

* Abbreviations:
WP = Work Package,
NWE = North West Europe (INTERREG IVB scope),
ICT = Information and Communication Technologies

Remark: Links will be made between each work package in order to enrich their content and benefit from a cross-cutting approach.
WP 1 INFRASTRUCTURES USE IMPROVEMENT (public side)

Objectives

- Provide a global and regional visibility on the east-west green axis in NWE regarding transport infrastructure.
- Highlight underused capacity and bottlenecks.
- Build solutions at the transnational level for a better use of infrastructure related to more sustainable freight transportation modes, through links with on-going EU projects, innovative methods and ICT tools.
- Support the policy integration and make recommendations to provide a globally integrated framework for sustainable freight movements.

Actions

- Assessment of the infrastructure capacity (road, maritime, rail, river transport infrastructures) globally for NWE and specifically for each cooperating region.
- Make a relation between existing infrastructures and their level of use, mapping present supply / demand and modelizing evolution scenarios.
- Transnational collaborative approach between the regional partners in order to work on the gaps to be filled and their solutions.
- Pilot actions (i.e. SUSTAINABLE GATEWAY design and set-up, contingency planning, spatial changes simulation based on transport & logistics changes).
- Identification of regional policies on transport infrastructure links with EU strategies to move the territories to a low-carbon economy and integration of the project outputs to strengthen the regional strategies.
WP 2 SUSTAINABLE LOGISTICS DEVELOPMENT (private side)

Objectives

- Provide an overview on freight flows in NWE (including a specific focus on the east-west axis and potential connections with north-south axis) and logistics networks.

- Find the organizational and technological (i.e. telematics) key issues with private stakeholders to develop greener supply chains practices.

- Promote the integration of sustainable freight transportation modes (rail, maritime, inland waterways) and co-modality in the logistics chains mostly oriented on road transportation.

- Improve collaboration practices between the actors.

Actions

- Freight supply and demand analysis on NWE level (include internal and external freight flows) and on the partners region level.

- Identification of the logistics practices with private stakeholders (i.e. logistics services providers, shippers), and explore with them the solutions to develop greener logistics chains.

- Transnational collaboration on modal connections for long distance freight movements, regional and city distribution systems, connectivity to/from national freight gateways and hubs (i.e. sea ports and their hinterland) mapping and modeling the improvement opportunities.

- Pilot experiments (i.e. modal shift between two or three countries at transnational level, collaborative logistics actions between SME).
WP 3 TELEMATICS AND ICT INNOVATIVE SOLUTIONS

Objectives

- Make a greater use of ICT and telematics to effect a fundamental shift in supply chain (WP2) and infrastructure management (WP1).

- Identify the gaps to be filled in the logistics chains to develop greener solutions (long distance transportation, last mile deliveries, connection to the main hubs) in relation with WP1 and WP2.

- Propose ICT and telematics solutions taking into account the requirements of the end-users.

- Support a better use of the capacity using telematics and collaborative supply chain management tools.

Actions

- Assessment of the existing ICT tools both for logistics chains and freight infrastructures.

- Integration of the outputs of WP1 and WP2 to specify the requirements of the users (both private and public).

- Transnational workshops with private and public stakeholders to build suitable innovative and suitable ICT solutions to support the development of sustainable transport and logistics solutions.

- Technological pilots linked with operational and infrastructure experiments (i.e. Cargo tracking and tracing in multimodal operations, data integration between heterogeneous IT systems involving green transport modes, collaborative logistics IT platform).
WP 4 CROSS-PROGRAM AND PROJECTS LIAISON

Objectives

- Reinforce the cross-sectorial and cross-territorial applicability interacting with public and private actors.

- Work in synergy with targeted projects (i.e. CORRIDOR 24, CAMIS).

- Draw the long-lasting actions scheme through the development of a strategic program approach (NETWORK NORTH WEST).

Actions

- Past, present and future project identification linked with sustainable freight transportation & logistics, transport infrastructure management, ICT and telematics solutions to support greener supply chains.

- Internal enrichment of each WEASTFLOWS work packages with the outputs of each WP.

- Work sessions with complementary on-going initiatives (i.e. north – south freight corridor with CODE 24 INTERREG IV B NWE project).

- Development of a complementary framework program improving the links between the stakeholders and supporting the long-lasting effect of the projects.
WP 5 TERRITORIAL BENEFITS AND COMMUNICATION

Objectives

- Support the improvement of the capacity of the east – west green freight transport axis in NWE.

- Establish links with private and public stakeholders to integrate of sustainable logistics solutions in the transport infrastructure and supply chains on a regional and NWE level.

- Help the improvement of modal shift in the NWE regions based on the best practices drawn in the project through the transnational works and modal connections experimented in the pilot actions.

- Making project activities and outputs visible to the different target, enabling the involvement of regional and transnational actors.

Actions

- Evaluation of the various impacts of the project (economic, environmental, societal sides).

- Measure the benefits on regional and NWE levels (i.e. accessibility, competitiveness, attractiveness, employment, territorial development, commercial and business opportunities, innovation).

- Regional and transnational projects meetings, workshops, seminars involving the projects partners and private / public stakeholders.

- Promotion and communication actions such as projects events, conferences, clustering activities, strategic long-lasting approach through the globally-integrated framework set-up in the frame of the project (NETWORK NORTH WEST program).