Low Carbon

Interreg North-West Europe
European Regional Development Fund

Project Ideas Lab

Low Carbon / Transport

Investing in Opportunities

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Who is in the room?

Interreg North-West Europe
European Regional Development Fund
EUROPEAN UNION

Are you involved in Interreg NWE already?

Which type of organisation do you represent:

- Public authority?
- University/research?
- NGO/sectoral agency/cluster organisation?
- Private enterprise/SME?
- Private consultant?

Are you already working on a project idea?

Main objectives

Priority 2 Low Carbon

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To reduce GHG emissions in NWE by:

+ the implementation of low carbon, energy or climate protection **strategies (specific objective 2)**

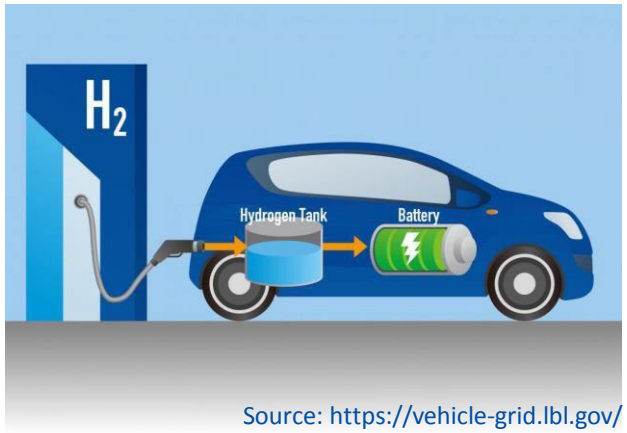
+ the uptake of low carbon **technologies, products, processes and services (specific objective 3)**

+ the implementation of transnational low carbon solutions in **transport systems (specific objective 4)**

- **ToA7: Implementing transnational solutions for low carbon transport systems to reduce GHG emissions**
- **ToA8: Implementing solutions for optimised traffic management (to enhance capacity and to show tangible transfer to low-carbon forms of transport**

Types of project activities

Source: iStock/tulpahn, filo



Source: https://vehicle-grid.lbl.gov/

Characteristics

- Focus on uptake
- Mix of public and private partners
- Usually a mix of awareness raising and technology demonstrations, investments, ICT tools

- Related output indicators, for example
  - no. of enterprises cooperating with research institutions **(compulsory)**
  - no. of implemented low carbon transport solutions

Approved projects – low carbon priority

- 18 projects approved
- 70 m EUR allocated
- 76 m EUR still available
- 4 projects in transport sector

Projects approved (Call 1-4)

Transport

- CHIPS – cycling highways
- H2Share - hydrogen vehicles
- River - non carbon boat
- ST4W – smart track 4 waterways

H2Share:

BE|NL|DE

Reducing emissions for heavy-duty transport in NWE through hydrogen solutions

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Challenge

- logistics sector contributes 25% of total transport sector CO2 emissions
- hydrogen technology has a key role to play in zero-emission logistics over longer distances
- Heavy-duty vehicles with a fuel cell range extender - while not yet commercially available in the EU - have huge potential

Objective

- Facilitate the development of a market for low-carbon heavy duty vehicles on hydrogen for logistic applications

Result

- 27 ton HD rigid truck on hydrogen demonstrated 6 times in operational environment (TRL 7) with 4 transport operators
- 1 mobile hydrogen refuelling station demonstrated
- 75 ton CO2 reduced during 2

CHIPS:

Cycle Highways Innovation for smarter People Transport & Spatial Planning

BE|DE|NL|UK

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Challenge

- Need to reduce CO2 emissions from transport
- Develop and promote cycle highways as an effective and cost efficient low carbon solution

Objective

- CHIPS aims to develop bicycle highways into a high quality and transnational mobility solution

Result

- Use of cycle highways increased by a factor of 1.5 to 3
- Reduction of 9.683t CO2-emissions per year

Project CHIPS
baseline - output - result

Project	Baseline	Output	Result
CHIPS	Bicycle share in commuting now varies from less than 5% (Belfast) to 25% (Gelderland).	A prototype of a cycle highway 2.0 providing insight on how to improve readability and attractiveness of cycle highways	Increase the number of cyclists on demonstrator cycle highways by a factor of 1,5 to 3. 9.683 t less CO2-emissions per year in demonstration areas because of modal shift.

Rejected projects: reasons

- Broad objectives + lack of focus (due to the higher number of partners involved). Shopping list of investments/pilots; many things in one project
- Direct contribution to GHG reduction not always evident
- Strong involvement of transport operators needed… companies are not always open to “share” data or to cooperate

Watch out for these pitfalls in priority 2

- Start from a baseline, your starting point
- Go beyond research
- Avoid technical jargon
- Transport projects → GHG reduction? + focus?
- Look at wider context

Q&A

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