

Close-to-market support activities under the European Cleaner Transport Facility



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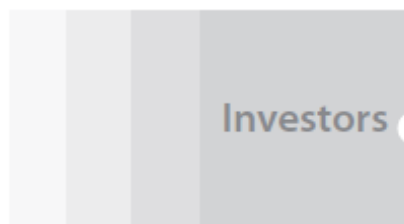
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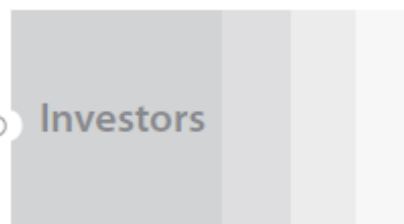
European Fund for Strategic Investments



5 bn



Strategic Projects for Europe



315 bn Total Investment



The European Fund for Strategic Investments (EFSI)

Of which
EUR 24.1bn
 signed

EIB Group figures

As of 15/06/2017



EUR 39bn
 * EIB-approved: EUR 29.7bn
 EIF-approved: EUR 9.3bn

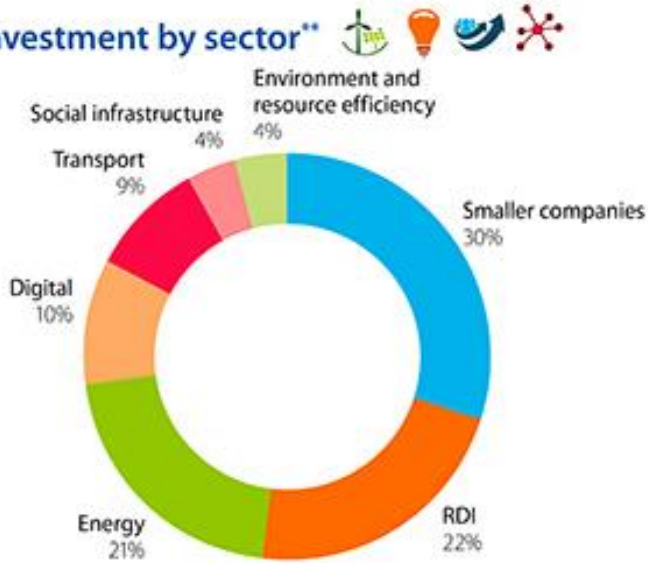


EFSI investment relative to GDP**

Darkers colours signify higher investment



EFSI investment by sector**



**Based on approved operations



Strategic infrastructure, including digital, transport and energy



Education and training, research, development and innovation



Expansion of renewable energy and resource efficiency



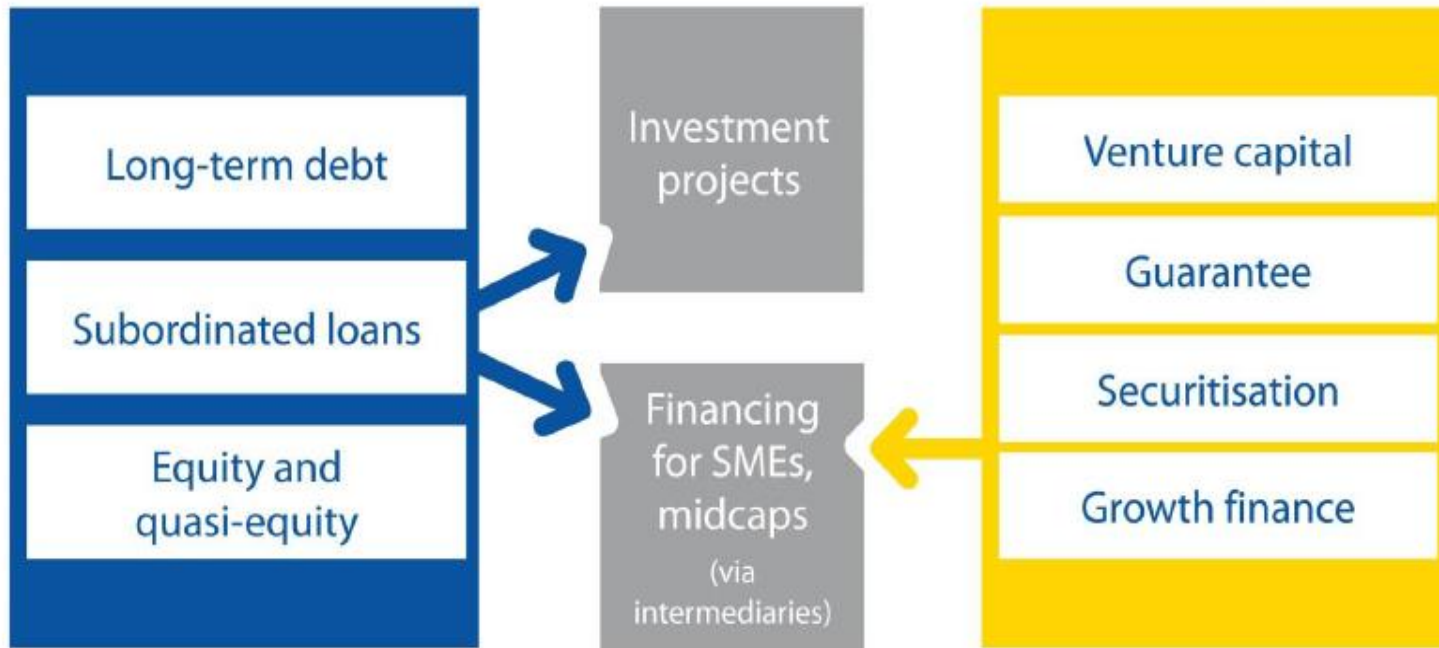
Support for smaller businesses and midcap companies*



Environmental, urban development and social projects



*both delivered via the EIB and EIF



Infrastructure and Innovation Window

SME Window



Early-Stage Enterprises	SMEs
InnovFin Technology Transfer	InnovFin SME Guarantee
InnovFin Business Angels	
InnovFin Venture Capital	
InnovFin Fund-of-Funds	
Early-Stage Enterprises, SMEs and Small Midcaps < 500 Employees	SMEs and Small Midcaps < 500 Employees
Intermediated Equity Financing	Intermediated Debt Financing

Midcaps	Large Caps	Thematic Finance	Advisory
InnovFin MidCap Guarantee	InnovFin Large Projects	InnovFin Energy Demo Projects	InnovFin Advisory
InnovFin MidCap Growth Finance		InnovFin Infectious Diseases	
Midcaps < 3 000 Employees	Large Caps Typically > 3 000 Employees	SPV, Midcaps and Large Caps	Public and Private Sector Promoters
Intermediated and/or Direct Corporate Lending	Direct Corporate Lending	Project Finance and/or Direct Corporate Lending	Financial Advisory

Direct products
 Indirect products

- The CTF is an umbrella to support the deployment of new cleaner technology in transport using EIB and the EC tools, as well as advisory services
- Financing could be provided by EFSI and the CEF.
- H2020 InnovFIN programme could be used to finance energy demonstration projects involving electro-mobility, hydrogen and/or fuel cells
- ELENA can support promoters with grants for the preparation of investmens

- Support through financial instruments (e.g. debt financing) may not always be sufficient for the projects needed to complete the trans-European transport network.
- A targeted grant in these cases would enable the financial case to be established
- Blending is the use of CEF grants in projects utilising private finance, or with finance from NPBs/EIB.
- The European Fund for Strategic Investments (EFSI) should be used whenever possible in order to maximise the leverage of private sector involvement.

- Only WORKS are eligible costs
- Eligible costs of the actions must exceed 10 Million Euro
- Economic viability of proposals: Assessed on the basis of a Cost-benefit analysis
- Intelligent Transport Services for Road (ITS) when implementing EU standards
- Project promoters may seek financing also for activities beyond the scope of the Actions
- Maturity of the Action measured, among others, by evidence that full financial close with a private sector investor/EIB/National Promotional Bank, can be reached within 12 months from the signature of the grant agreement

Thank you for your attention!



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RINA CONSULTING

- Logistics and supply chain management
- Innovation network
- Research & Development
- Knowledge sharing
- Demonstration & discovery
- New business opportunities
- THE hotspot for supply chain professionals

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IPIC 2017
6th July 2017



TKI DINALOG
Dutch Institute for Advanced Logistics



Alignment of research

Effectively grouping and mobilising Transport Research

Fragmented research....

- ...on national and EU-level
- ...based on aspects and not full supply chain scope

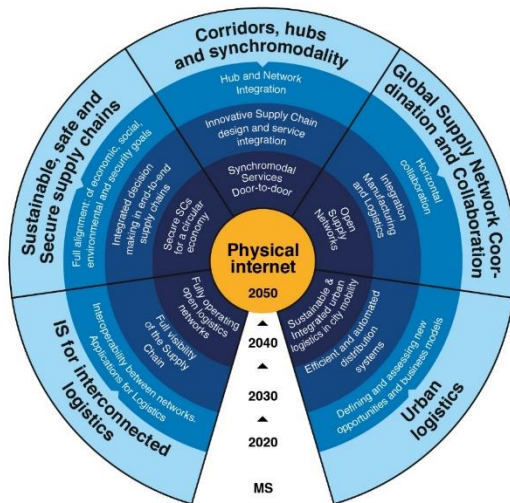




Alignment of research

Alignment role in The Netherlands

alice | Alliance for Logistics Innovation through Collaboration in Europe



1. Cross-border freight transport corridors
2. Hub development
3. Urban / last mile logistics
4. Organisational innovations and new business models in logistics
5. Information infrastructure and services for logistics

1. NLIP – Smart ICT
2. Trade Compliance and Border Management
3. Cross-Chain Control Centers
4. Synchronomodal Transport
5. Supply Chain Finance
6. Service Logistics
7. Urban Logistics



Topsector Logistics

In 2020, the Netherlands will hold an international top position:

1. In the handling of transport flows;
2. As supply chain coordinator of international logistics activities;
3. As a country with an attractive innovation and business climate for supply chain activities

**Theme 1:
The Netherlands as one
connected logistics system**

**Theme 2:
Supply Chain Coordination**

**Theme 3:
Innovation and business
climate**





Public private cooperation in research

What do we do at TKI Dinalog?

- **Continuous update of innovation roadmaps**
- **Initiate research and innovation**
- **Financial support for research projects**
- **Specific support for SME's and Start-ups**

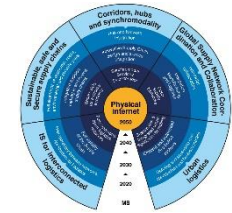


Alignment of research

ALICE Implementation Plan (selection!)

Selection of topics for the coming years (2018 – 2020)

- **Logistics in the full circular economy: New business models for horizontal and vertical collaboration**
- **Secure data exchange and access to build trust**
- **An adaptive synchromodal European freight network strategy**
- **Green logistics networks: Carbon and Beyond**
- **Collaborative data analytics for logistics and supply networks**
- **Connected services for horizontal collaboration**
- **Safety & security in urban freight**
-



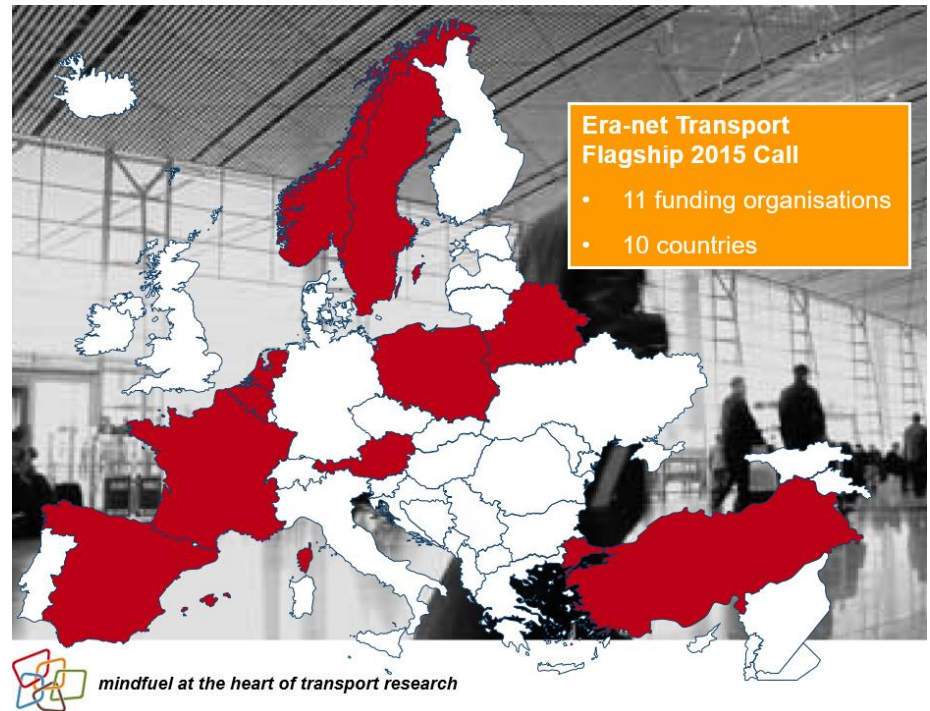
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ERANET Flagship 2015 call

Sustainable logistics and supply chains

1. Cross-border freight transport corridors
2. Hub development
3. Urban / last mile logistics
4. Organisational innovations and new business models in logistics
5. Information infrastructure and services for logistics





ERANET Flagship 2015 call

Sustainable logistics and supply chains – facts & figures

Submission

- 12 proposals submitted
- Covering 4 out of 5 domains
- Applicants from 9 of 10 participating countries/regions

6 Projects funded

- MultiStrat
- CO2REOPT
- HubHarmony
- Sailor
- S-mile
- CLOUD



ERANET Flagship 2015 call

- **MultiStrat**
 - *supply chain simulation model for participatory evaluation and implementation for new strategies*
- **CO2REOPT**
 - *tools for full transport integration, where suppliers, manufacturers and customers share a fully integrated and optimized intermodal supply chain*
- **HubHarmony**
 - *development of a harmonisation benchmark for multimodal hubs*



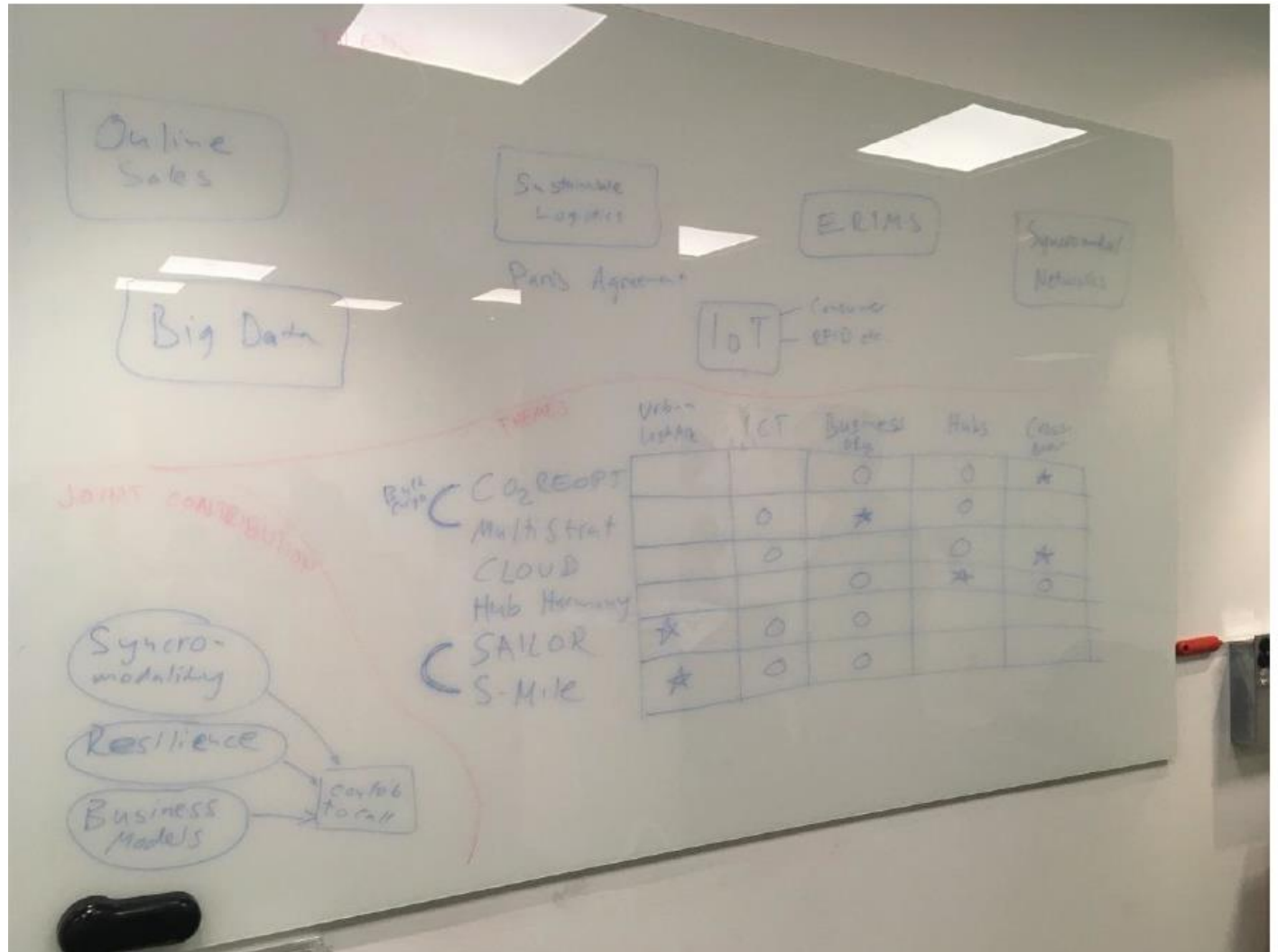
ERANET Flagship 2015 call

- **Sailor**
 - *SAILOR (Smart IAsT mILe cOmmeRce) system for dynamic multiparty interaction between parcel delivery companies and the sending and receiving customers*
- **S-mile**
 - *Decision support tools for first/last mile logistic multi-modal transport, fostering green transport means and solutions*
- **CLOUD**
 - *a virtual Logistic Single Window (LSW) as an ecosystem with services products & applications for ALL transport and supply chain stakeholders*



ERANET Flagship call

**Kickoff meeting
Stockholm**



- Logistics and supply chain management
- Innovation network
- Research & Development
- Knowledge sharing
- Demonstration & discovery
- New business opportunities
- THE hotspot for supply chain professionals

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Funding programs to support the Physical Internet (PI)

Experiences from an applicant



- Boku – Institute for Production economics and logistics is involved in two projects
 - MultiStrat (Leader Nibio; Partner: Skogforsk, Boku Vienna)
 - HubHarmony (Leader Boku Vienna; Partner: Lineas, ILIM, Port of Vienna)
- MultiStrat:
 - Improving the forest-wood supply chain
 - developing a simulation model to compare different approaches and to support decision makers
- HubHarmony:
 - develop a harmonization benchmark for inland multimodal hubs,
 - figure out future value added services on the local economy and the future development of hubs



Funding programs to support the Physical Internet (PI)

Experiences from an applicant



Application Process

- EPSS Online Tool:
 - **+** simple upload of deliverables;
 - **+** update of appointments, meetings and due dates
 - **-** System is not reliable; save of entries; updates; iterative double checks; many errors and time consuming application

Funding programs to support the Physical Internet (PI)

Experiences from an applicant



Operation

- National requirements lead to additional effort
 - Reports in national language (application, mid term reports, final reports)
 - Additional translation
- Different national funding rules restrict project development flexibility (duration; reports)
- Missing transparency within the project:
 - coordinator has no insight to hourly records
 - difficult to control partners and to assign future workloads
 - charged works
- Kickoff:
 - no a priori information; less money for travelling within the project
 - Joint Kickoff: who benefits?
 - Better midterm for exchange of experiences

Funding programs to support the Physical Internet (PI)

Experiences from an applicant



Further experiences

- gathering reliable information is difficult
- Consortium: pool of participating regions; challenging to build a consortium (but not for wood)
- Technology Readiness Level: TRL 3 (Critical function, proof of concept established): good orientation
- **New international partners, competencies and their way of working**
- step towards horizon 2020 und upcoming national calls



Infographic Terminal profiles

Innovative

The mindset of the terminal is measured
Does the terminal want to be a first-mover?.

Throughput

How efficient and effective is the terminal.

Safe

What does the terminal do to make
it safe and how many accidents
occur? .

Responsiveness

How fast can the terminal react to
changes in the market/customers?

Sustainability

How does the terminal score on
environmental, social and economic
sustainability? .

Diversity

How many different services does the
terminal offer?



