



Co-funding opportunities for investments and R&D initiatives on sustainability projects and technical innovations

Lübeck, 22. September 2021

HPC Hamburg Port Consulting GmbH

Hartmut Beyer

HPC Hamburg Port Consulting GmbH

Worldwide experiences with an operational focus

History

Clients

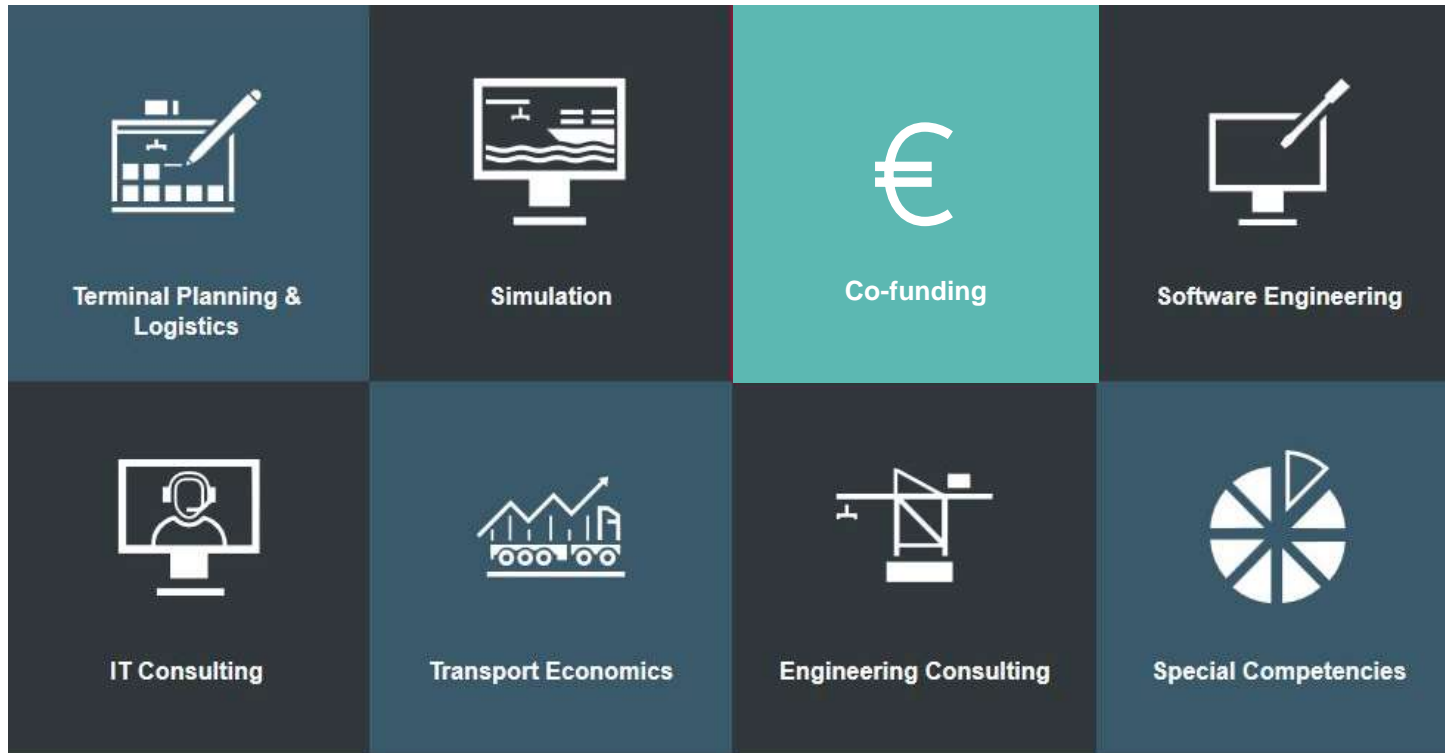
- Founded in 1976 as subsidiary of HHLA Hamburger Hafen und Logistik AG
- Since 1976 port and transport-related projects in 120+ countries, both in the private and public sector
- Terminal operators, port and railway authorities, national and international public institutions and organisation (WB, ADB)

Port and Transport
Consultancy



HPC's Range of Competences

Wide range of services from one competent provider



HPC's Co-funding Management for clients' investments or R&D projects

Benefiting from existing competences and networks



HPC Service Goal

- Unburden the management
- Give access to financial resources
- Keep away the administrative load from the client

Why are there co-funding programs and what are the objectives?

Public funds are made available to the industry to implement public goals



Sustainability

“Cut CO2 emissions by 55% by 2030.
By 2050 EU aims to become the
world’s first climate-neutral continent
(EU)
„Reduction of CO2-emissions by 65%
until 2030, climate neutral until 2045 “
(Germany)



Innovation, Digitalization

To strengthen scientific and technological fundament of the
EU and to increase the international competitiveness (EU)
„Germany should develop technology and innovations and
shall become the world leader “ (Germany)



Europe

Germany

Hamburg

The new phase of co-funding programs offers good opportunities

Programs

Europa

- CEF 2 - 12,8 billion € for transport projects
- HORIZON EUROPE - 15,2 billion € for climate, energie and mobility
- INTERREG VI B - 254 million € for green and intelligent transport

Germany BMVI / BMWi

- National Hydrogen-Strategy provides €7 billion for H2-projects
- Co-funding of €1.6 billion for sustainable drives for commercial vehicles (80% co-funding)

Benefits for Terminals / Ports

- Improvement of **profitability** of upcoming investments
- Extended **networking** with national and European industry and scientific institutions
- **Port or terminal development** in terms of more sustainability and innovations
- **Branding** of company towards customers, competitors and industry and strengthening as an innovative, dynamic and future oriented company

Three major types of Co-funding programs exist

Types of Co-Funding Programs	Possible Activities	Co-Funding Programs	
		Germany	Europe 2021-2027
Investments in transport infrastructure and superstructure	<ul style="list-style-type: none"> ✓ <i>Container handling facilities</i> ✓ <i>Port infrastructure</i> ✓ <i>Electromobility and energy efficiency</i> ✓ <i>Transport Networks</i> 	<ul style="list-style-type: none"> • Combined transport promotion directive • ERDF European Regional Development Fund (focus on energy efficiency) • Funding guideline e-mobility and charging infrastructure • NIP National Innovation Programme on H2 	Connecting Europe Facility II (CEF II)
Research and development, R&D	<ul style="list-style-type: none"> ✓ <i>Digitisation of operational processes</i> ✓ <i>Information technology</i> ✓ <i>Sustainability</i> 	<ul style="list-style-type: none"> • Innovative port technologies (IHATEC II) • Calls for R&D on e-mobility and fuel cell technology 	HORIZON EUROPE
Networks, cooperations in the EU	<ul style="list-style-type: none"> ✓ <i>Traffic optimisation</i> ✓ <i>Regional development</i> ✓ <i>Innovations</i> ✓ <i>Sustainability</i> 		INTERREG VI BSR, NSR, CE

Overview of German co-funding programs (excerpt)



Co-funding program	Objective	Possible Activities	Co-funding of additional costs
KV-Förderung (Investitionen)	Shifting cargo transport from road to railways	<ul style="list-style-type: none"> New construction or extension of intermodal terminals 	Up to 80% of the investment
IHATEC II Innovative Hafentechnologie (F+E)	Optimizing port cargo handling and transport and improvement of digital Infrastructur	<ul style="list-style-type: none"> Further development of technologies - automation, use of drones, IT security, AI, deep learning Energy management, hydrogen drives 	Up to 50 % of the eligible costs
Förderrichtlinie Elektromobilität , BMVI (F+E und Investitionen)	Switch to more electrically powered vehicles, energy efficiency and sustainability	<ul style="list-style-type: none"> Investments in electric driven vehicles and charging technology Feasibility studies 	Up to 40% of the eligible additional costs
Nationales Innovationsprogramm Wasserstoff- und Brennstoffzellen-technologie Phase II (NIP)	Establish mobility with hydrogen and fuel cell technology competitively on the market Develop technologies + infrastructure	<ul style="list-style-type: none"> New drive technologies for (terminal) vehicles New fuelling infrastructure 	40% investments in vehicles, energy generation and combined heat and power, electrolysis systems

“Connecting Europe Facility 2” Program from 2021 to 2027

Three sectors – overall budget 33.71 billion Euro



Transport

Budget: € 25.81 billion
(including €11.29 billion for cohesion countries)

Main concerns:

- Interconnected, international transport networks
- Development & modernisation of railway, road, inland waterway and maritime infrastructure
- safe and secure mobility



Energy

Budget: € 5.84 billion

Main concerns:

- Integration of the European energy market,
- Improving the interoperability of energy networks across borders and sectors,
- Facilitating decarbonisation,
- Ensuring security of supply



Digital

Budget: € 2.06 billion

Main concerns:

- Develop and deploy innovative, secure and sustainable cross-border digital infrastructures,
- Enable digital networks & services to flourish
- Equip major transport paths, (road, rail, maritime routes + ports) with resilient, high-speed connectivity

Co-Financing of Infrastructure at 20 % and Feasibility Studies at 50 %

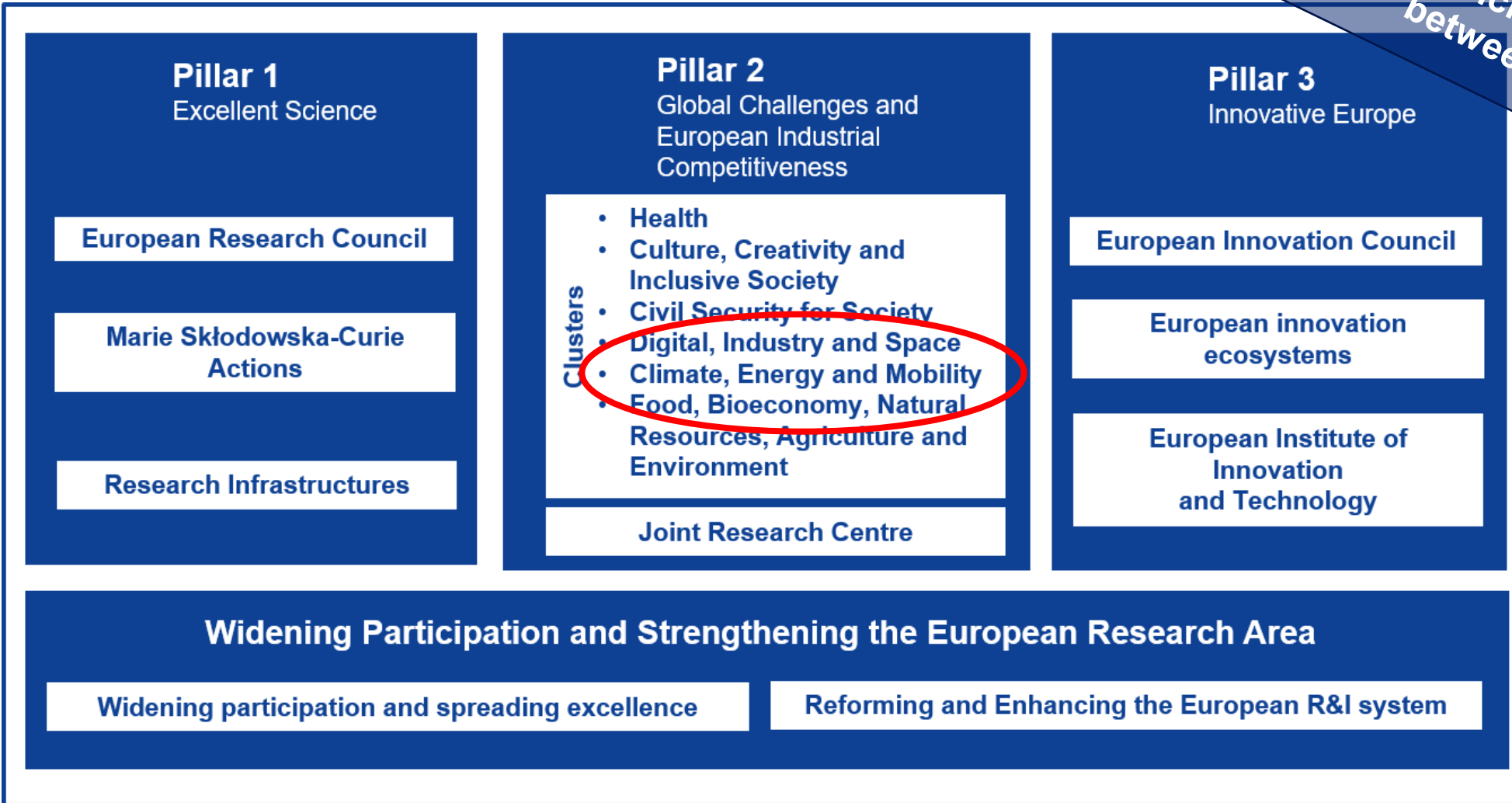
https://cinea.ec.europa.eu/connecting-europe-facility/about-connecting-europe-facility_en

HORIZON EUROPE Program from 2021 to 2027

Thematic Overview - overall budget 94.1 billion Euro



Co-Financing of R&D Projects
between 70 - 100 %



Characteristics of a HORIZON Europe project



- Individual calls on specific topics on climate, energy and mobility (15,2 billion €)
- International consortia are required (at least 3 EU countries) plus scientific or research institutes (R&D)

Actual calls on studies

- Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways
- Advanced **multimodal network and traffic management** for seamless door-to-door mobility of passengers and freight transport
- More **efficient and effective multimodal** freight transport nodes to increase flexibility, service visibility and reduce the average cost of freight transport

EU INTERREG VI Program from 2021 to 2027

Thematic Overview

Innovative and resilient economies and societies and responsive public services

Sustainable use of the Baltic Sea and regional water resources adapted to the impacts of climate change

Climate change mitigation

Co-Financing of EU Cooperations in the BSR of 80 %

Policy Objective 1:
A smarter Europe

Policy Objective 2:
A greener Europe

Policy Objective 2:
A greener Europe



1.

2.

3.

4.

5.

6.

7.

More innovative and resilient economies and societies

Responsive public services

Sustainable water management adapted to the impacts of the climate change

Blue economy resilient to the changing climate

Circular economy

Low-carbon energy systems

Green and intelligent transport and mobility

Characteristics of an INTERREG project

Typical project structure

- 10 – 20 public and private partners from at least three countries
- 3 years project duration
- 2 – 3 mil. Euro budget for co-funding of cooperation costs
- INTERREG VI BSR Program starts in spring 2022

Possible project topics

- Cooperation on clean fuel supply in the BSR
- Cooperation on preventive port safety for storage of dangerous goods
- Deploy green and multimodal transport solutions



Summary of EU Co-funding

- Public funds on national and EU level are available, new program phase 2021 – 2027 is open, first calls start end of 2021, beginning of 2022
- Start early and build up a network of EU partners you plan to work with – EU partnership is a core requirement
- Strong competition exist on the limited EU program budgets, approval is not guaranteed
- Your project should have a public respectively European interest – CEF transport project applications needs back up from national MoT's



Summary

- Co-funding opportunities are possible whenever the topics “Sustainability” or “ Innovation/ Digitalization” are concerned
- A funding check should be carried out for upcoming investments as early as possible
- Using co-funding opportunities is a long-term business – any urgent investments of cost cutting goals are difficult to achieve
- By utilizing co-funding programs every applicant will benefit from reduced costs as well as from improved branding of the company



HPC HAMBURG PORT CONSULTING GMBH

Co-Funding Management

Hartmut Beyer & Team

Container Terminal Altenwerder

Am Ballinkai 1

21129 Hamburg

Germany

Phone: +49 40 74008-107

Fax: +49 40 74008-115

Mail: h.beyer@hpc-hamburg.de

