



# Kohesio

## List of operations toolkit and services

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# List of operation toolkit and maps

## Agenda

Introduction

Facilitating data sharing: list of operations toolkit



Curating your data: Kohesio professional space



Re-using Kohesio map: the embedding functionality



# Introduction

**Kohesio is a web platform  
collecting and visualising information  
on projects supported by the EU  
Cohesion policy**



# Introduction - Kohesio

## THE HOMEPAGE MAP

Kohesio: discover EU projects in your region

Home Projects Beneficiaries Services

Do you want to reuse our linked and open data?  
Navigate the EU knowledge graph or get the datasets  
Download the data >

3 of 3

### IN MY REGION

Europe

PROJECTS NEAR ME

Outermost Regions

- Madeira Azores
- Canary Islands Réunion
- Guadeloupe (including Saint Martin)
- Martinique Mayotte

© OpenStreetMap | © GISCO | © Mapbox | © Esri

Europe Romania

PROJECTS NEAR ME

Europe Romania Sud-Est

PROJECTS NEAR ME

# Introduction – Kohesio

## THE PROJECT RESEARCH PAGE

### KEYWORDS

microprocessors

Also matching:

- computing architectures
- integrated circuits
- optical interconnect
- hardware accelerators
- fpgas
- electronic circuits
- optical interconnects
- single photon detectors
- cpus
- computing platforms

Use my keywords only

### COUNTRY

### REGION

Select a country

### POLICY


### THEME

+ ADVANCED FILTERS

Results

Audiovisual

Map

Download 

Relevance 

1 - 15 of 231  



### National Supercomputing Infrastructure for EuroHPC – EuroHPC EN



Research and innovation

**52 165 372,00 €**  
Total budget

Jan 2020 - Dec 2024

The EuroHPC PL project serves to carry out scientific research through the construction and availability of computing resources. This will allow high performance computing directly within the framework of the EuroHPC JU Joint Undertaking, a European ...



### Smart Sense — deployment of digital and “green” smart production



React EU

**2 050 200,40 €**  
Total budget

Nov 2021 - Sep 2023

The project addresses the lack of production capacity to meet the growing market demand for smart IoT solutions in smart homes, smart cities and air quality control. The aim of the project is to strengthen the company's competitiveness by optimising ...



### Miniaturised radar sensors for autonomous unmanned aircraft



Research and innovation

**2 206 616,65 €**  
Total budget

Sep 2018 - Nov 2021

The aim of this project is to examine and develop and test and implement on the market miniaturised, energy-efficient and affordable radar sensors designed to support the autonomy of commercial drone flights. In order to achieve the goal of the projec...

### KEYWORDS

### COUNTRY

Croatia 

### REGION



### POLICY

Social Europe 

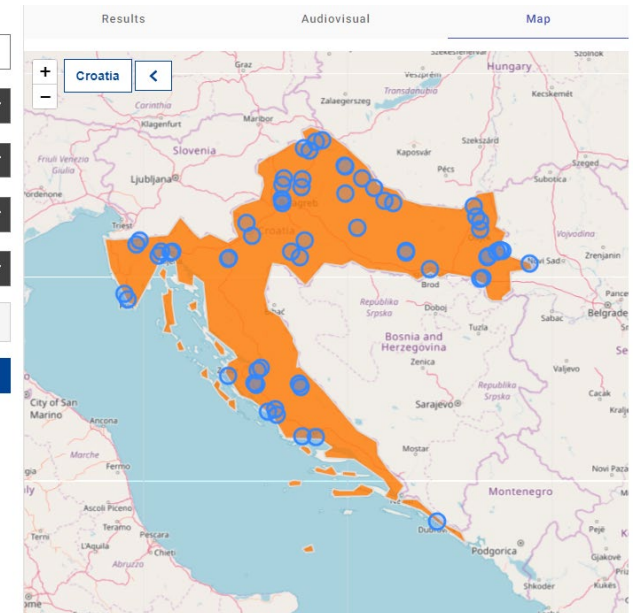
### THEME



+ ADVANCED FILTERS

Reset Filters

Show Results



# Introduction – Kohesio

## THE BENEFICIARY SEARCH PAGE

BENEFICIARY NAME

COUNTRY

REGION

+ ADVANCED FILTERS

Reset Filters

Show Results

Total Budget (descending)

1 - 15 of 629 070

BENEFICIARY NAME	TOTAL BUDGET	EU CONTRIBUTION	NUMBER OF PROJECTS
 GENERALNA DYREKCJA DRÓG KRAJOWYCH I AUTOSTRAD	12 098 259 981,05 €	10 279 769 619,64 €	87
 PKP Polskie Linie Kolejowe	6 221 241 902,39 €	5 274 445 189,67 €	92
 Nemzeti Infrastruktúra Fejlesztő Zrt.	5 916 426 082,76 €	3 555 387 809,71 €	84
 RETE FERROVIARIA ITALIANA SPA	5 470 847 635,30 €	1 047 320 724,98 €	46
 Compania Națională de Administrare a Infrastructurii Rutiere	5 385 230 044,66 €	4 577 445 508,58 €	102
 Government of Andalusia	4 971 289 747,55 €	4 194 876 197,95 €	2178
 Bank Gospodarstwa Krajowego	3 917 716 268,77 €	3 429 101 712,43 €	68

BENEFICIARY NAME

COUNTRY

REGION

+ ADVANCED FILTERS

Reset Filters

Show Results

Total Budget (descending)

1 - 15 of 3 038

BENEFICIARY NAME	TOTAL BUDGET	EU CONTRIBUTION	NUMBER OF PROJECTS
  RETE FERROVIARIA ITALIANA SPA	2 922 114 289,30 €	339 149 742,58 €	12
  REGIONE SICILIANA	421 850 248,25 €	312 389 088,42 €	4059
  INVITALIA - AGENZIA NAZIONALE PER L'ATTRAZIONE DEGLI INVESTIMENTI E LO SVILUPPO D'IMPRESA S.P.A.	357 100 212,00 €	345 614 852,71 €	3
  Palermo	122 960 157,46 €	97 471 179,96 €	41
  TELECOM ITALIA SPA	107 055 754,94 €	59 065 040,26 €	1

# Introduction - What do we use it for ?



Promotion



Information

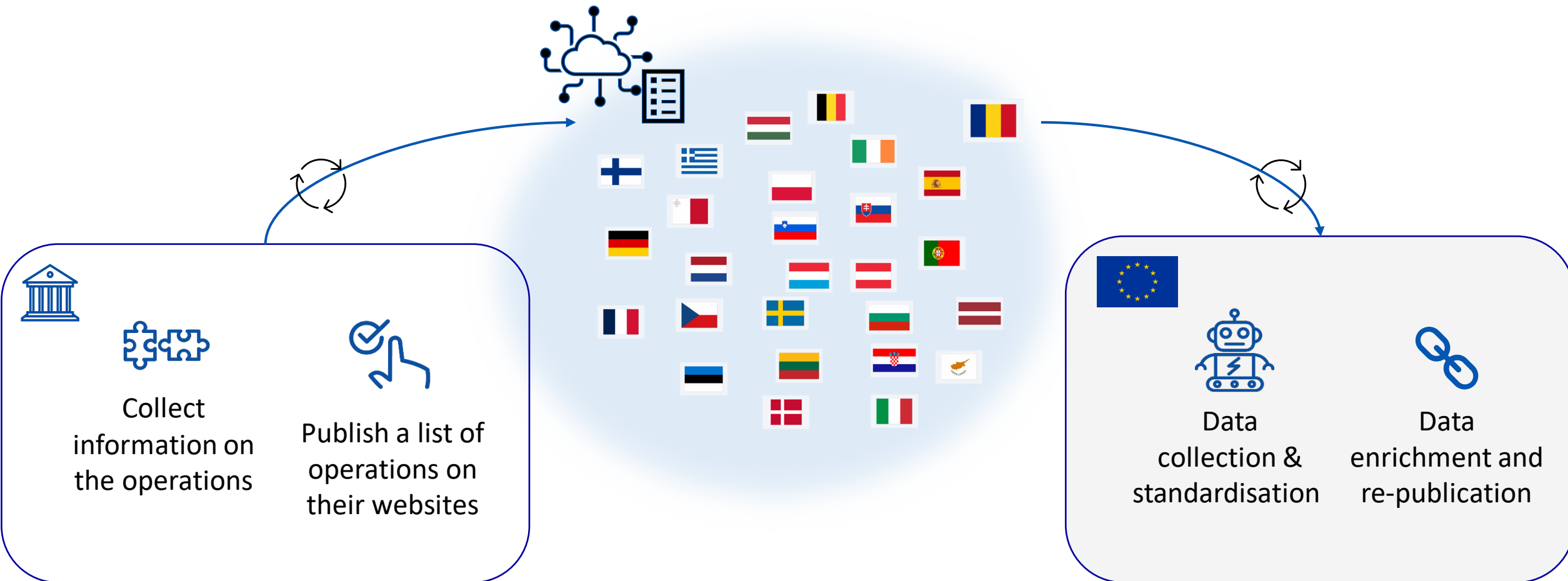
Transparency



Reuse



# Introduction - How does it work?



- Obligation to publish lists of operations
- Article 115 & Annex XII, CPR 2014-20
  - Article 49, CPR 2021-27



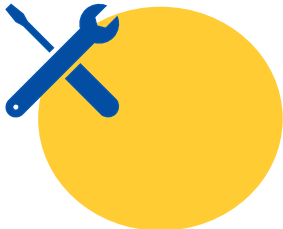
# Introduction – The evolution

March  
2022

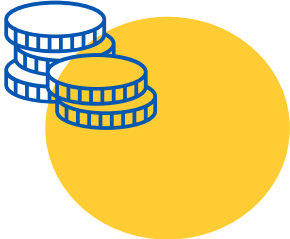
May  
2024



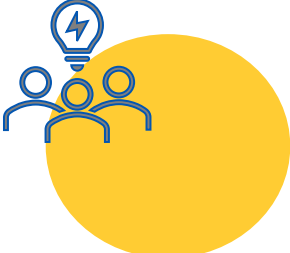
Launch of Kohesio



1.9  
million projects



+650  
billion €  
investments



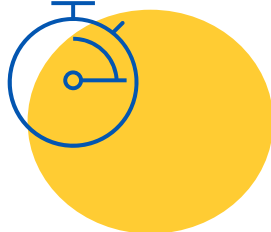
+640,000  
Beneficiaries



+120,000  
visitors

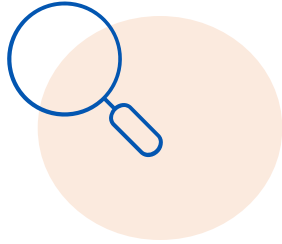


2.6  
million  
page views



11  
minutes on  
average

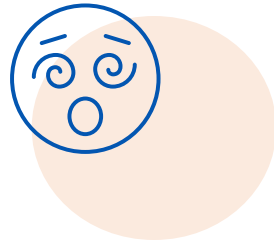
# Introduction - Current challenges



## Discovering the investment program

Program and project-level data are not fully interoperable.

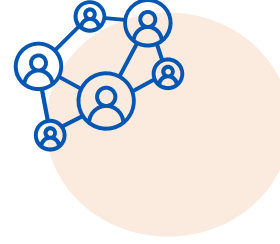
This makes certain information difficult or impossible to find.



## Project descriptions

The quality of project descriptions vary significantly.

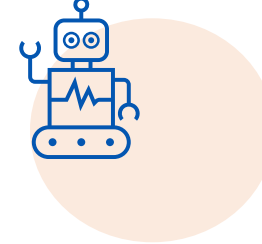
This can affect user-experience.



## Duplicated beneficiaries

Name variations of the same beneficiaries are treated as different entities

This results in duplicated entries which cannot be manually verified (~600K beneficiaries)



## Automation

Kohesio is fed with 115 different data sources.

Many different templates, burdensome data cleaning processes



# Facilitating data sharing: list of operations toolkit

## **EXPERIENCE FROM THE 2014-2020 PROGRAMMING PERIOD**

- One Article, a great source of information, many ways of implementing it
- 115 different lists of operations, different formats, templates

## **RESULT**

- Time lag between the publication of the lists of operations and they appearance in Kohesio (risk of incorrect information)
- In some case, partial implementation of the CPR requirements

## **PROPOSED APPROACH FOR 2021-2027**

- Standardized template and instructions for the lists of operations
- It Contains mandatory data fields according to Art 49 (3) of the CPR and voluntary additional data fields to enrich reporting
- Easier implementation and greater visibility potential

Mandatory datafields according to Art 49 (3) of the CPR	Suggested voluntary data fields
<b>Programme</b>	
Specific objective	Programme (CCI)
	Priority code (as in SFC)
<b>Operation</b>	
Operation ID	Operation of strategic importance
Operation name	Call for proposal (as in the list of upcoming calls for proposal art.49)
Purpose and expected or actual achievements	
Operation start date	
Expected or actual date of completion of the operation	
Location indicator or geolocation for the operation	
Country	
Type of intervention	
<b>Funding</b>	
Total cost of the operation	
Fund concerned	
Union co-financing rate	
<b>Beneficiary</b>	
Beneficiary's name	Beneficiary ID
Location of beneficiary	Beneficiary type
Contractor name	
The Union fishing fleet register identification	

# Facilitating data sharing: list of operations toolkit

## OBJECTIVES

- Ensures implementation of CPR requirements
- Allows quick pick up of newly updated or added projects in Kohesio
- Reduces risk of incorrect information
- Reduces time spent on communication due to standardised approach
- Enables presentation of projects within their full context thanks to voluntary datafields, enhancing visibility, usability and transparency of reporting
- Better data comparability, harmonisation and re-use for users across reporting systems overall

# Curating your data: Kohesio professional space

Enhance the **description** of projects with large budget and/or **high communication** potential directly on Kohesio




Projects with **improved descriptions** will be ranked higher in Kohesio, having therefore a greater dissemination potential.

The screenshot shows the Kohesio professional space interface for editing a project titled "gut ausbilden". The interface is divided into several sections:

- Header:** "gut ausbilden" with a version dropdown set to "--URSPRÜNGLICHE VERSION--" and a "Save" button. A "Submit" button is also visible.
- Informationen zum Projekt:** "Beginn (Datum): 5 Oktober 2017" and "Ende (Datum): 4 Oktober 2018".
- Finanzierung:** "Fonds: Europäischer Sozialfonds (ESF)", "Gesamtbudget: 567,00 €", and "EU-Beitrag: k. A.". A link for "Weitere Informationen zum Fonds" is provided.
- Programm:** "Programmplanungszeitraum: 2014-2020", "Programm: Hessen – ESF", "Verwaltungsbehörde: Hessisches Ministerium für Soziales und Integration Abteilung IV Soziales Referat Verwaltungsbehörde des ESF / Zwischengeschaltete Stelle Wirtschafts- und Infrastrukturbank Hessen". A link for "Weitere Informationen zum Programm" is provided.
- Themenbereich:** "Allgemeine und berufliche Bildung".
- Interventionsbereich:** "Verbesserung der Arbeitsmarktrelevanz der Systeme der allgemeinen und beruflichen Bildung, Erleichterung des Übergangs von der Bildung zur Beschäftigung und Stärkung der Systeme der beruflichen Bildung und Weiterbildung und deren".
- Map:** A map of the Hochtaunuskreis, Deutschland, showing the project location. The map includes a search bar, a location pin, and a "PROBLEM MELDEN" button.
- Footer:** "© OpenStreetMap | © GISCO | © MaxMind | Haftungsausschluss".

# Curating your data: Kohesio professional space

## FUTURE DEVELOPMENTS

- Embedding social media posts, images and videos in project fiche 
- Specify the exact location of a project 
- Create a map of specific projects of your choice 

Contact us at [REGIO-KOHESIO@ec.europa.eu](mailto:REGIO-KOHESIO@ec.europa.eu) to participate and test new features, or as an editor!





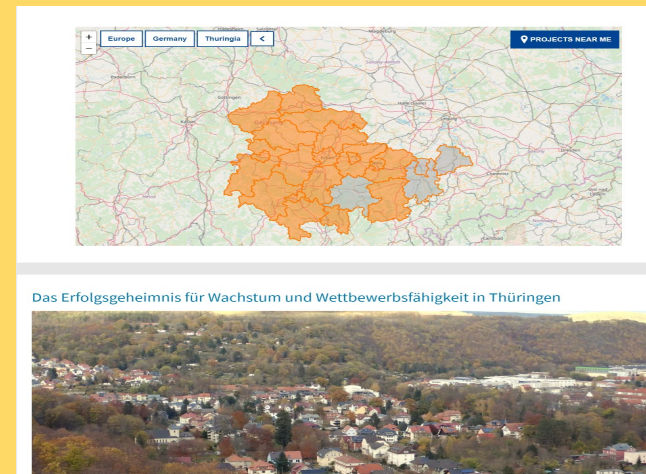
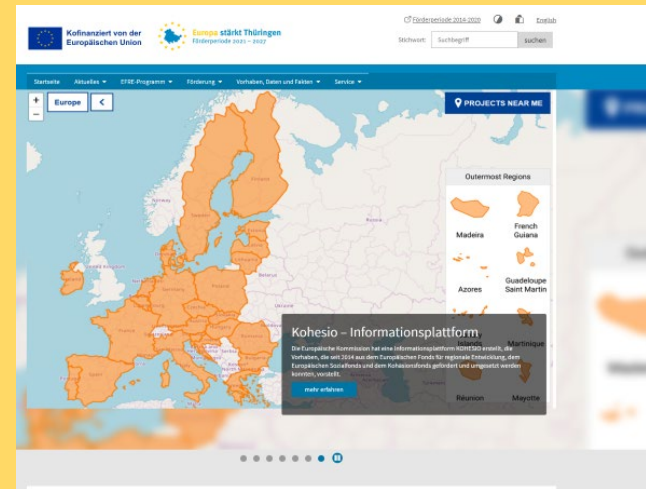
# Re-using Kohesio map: the embedding functionality

Let users explore projects in your country, a region or one or more Programs by bringing Kohesio into your website.

Display the relevant map in your national language.

Follow the [instructions](#) and see some [examples](#).

Recently embedded on the websites of the ERDF Programme for [Thuringia, Germany](#) and the [website of the EU mission to Czechia](#)





# Thank you



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