



# Ex post evaluation of RTD infrastructures and activities 2007-13

19-20/04/2021 Evaluation Network

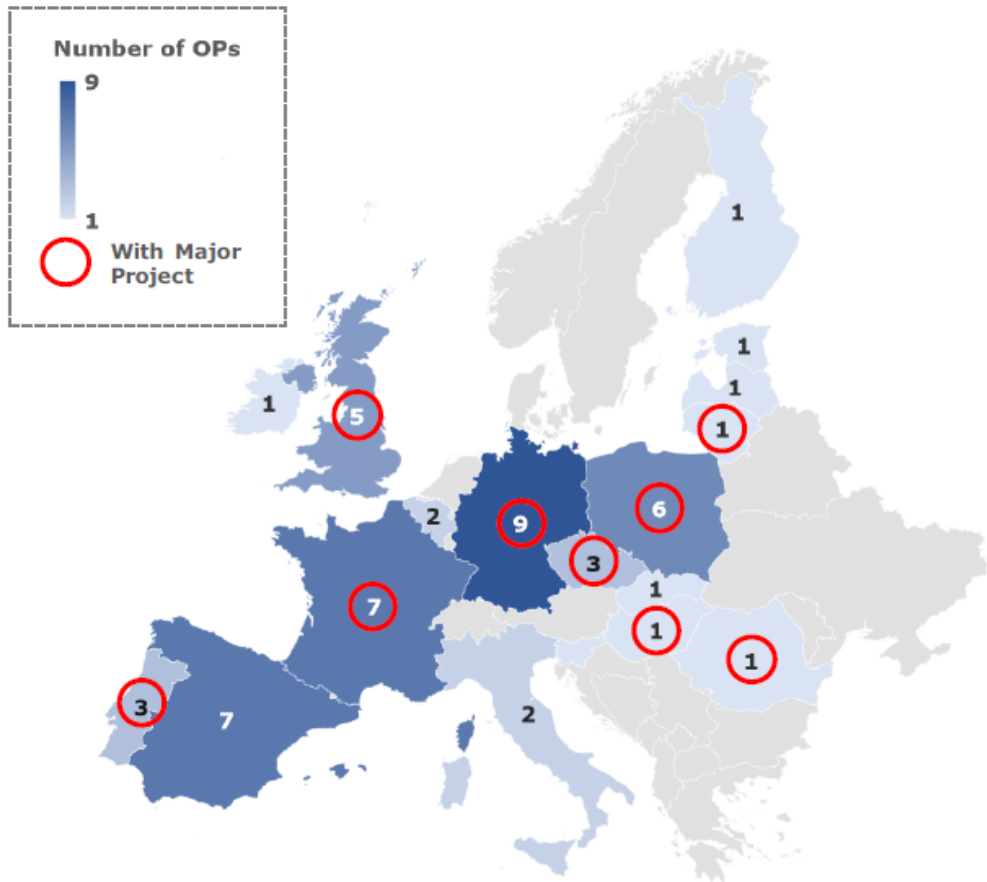
*REGIO B2*

# Ex post eval of RTD infra and activities 2007-13

Representative sample of 53 OPs

- covering 18 Member States
- including 24 Major Projects

Types of policy measures: ERDF expenditure codes 01 and 02



Codes of expenditure	Expenditure in 53 OPs	Share of the total expenditure
01 – Support to RTD activities in research centres	5 € billion	83%
02 – Support to RTD infrastructures and centres of competence in a specific technology	9.7 € billion	87%
01 + 02	14.7 € billion	85%

# State of play

## Task 1

Review 53 OPs  
Collect project data  
Map policy instruments

## Task 2

Literature and  
documentary review

## Task 3

Case Studies in selected  
Member States

## Task 4

Cross-case-study theory  
of change analysis (RTD  
cookbook)

## Task 5

Seminar

- Final report due in July 2021
- SWD expected in December 2021



# Project data and intervention mapping

## Structure of the project dataset

### Part 1. Operational programme identification

- 1.1. OP Priority Axis (in English)
- 1.2. Co-financing rate of the Priority Axis
- 1.3. OP action/measure (in English)
- 1.4. OP action/measure description

### Part 2. Project identification

- 2.1. Official Project Identification Code
- 2.2. Ad-hoc project Identification Code
- 2.3. Project name (original language)
- 2.4. Project name (in English)
- 2.5. Project Description
- 2.6. Major Project
- 2.7. ERDF category of expenditure

### Part 3. Information on the type of instrument related to the project

- 3.1. Primary type of intervention (level 1)
- 3.2. Primary type of intervention (level 2)
- 3.3. Secondary type of intervention (level 2)
- 3.4. Primary type of intervention (level 3)
- 3.5. Specification of the type of project or infrastructure

### Part 4. Identification of project beneficiaries

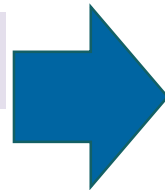
[see beneficiary dataset]

### Part 5. Other information on the project

- 5.1. Form of support
- 5.2. Type of RTD
- 5.3. Type of other activities non-RTD
- 5.4. Type of costs eligible for ERDF co-financing
- 5.5. Field of science
- 5.5. Field of science comment
- 5.6. Project start
- 5.7. Project end
- 5.8. Project duration (years)
- 5.9. Project duration (months)

### Part 6. Financial information

- 6.1. Total project cost
- 6.2. Total eligible cost for the project
- 6.3. ERDF contribution to the project (€)
- 6.4. National/regional public contribution to the project
- 6.5. Private contribution to the project



## Structure of the beneficiary dataset

### Operational programme identification

- Country
- CCI
- OP name

### Part 1. Beneficiary identification

- 1.1. Official Project Identification Code
- 1.2. Ad-hoc Project Identification Code
- 1.3. Project name
- 1.4. Beneficiary name (original language)
- 1.5. Beneficiary name (English)
- 1.6. VAT code
- 1.7. Location of the direct beneficiary
- 1.8. Sector
- 1.8. Sector - detailed

### Part 2. Type of direct beneficiary

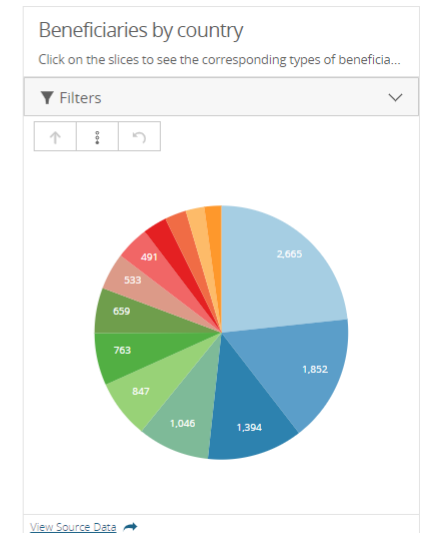
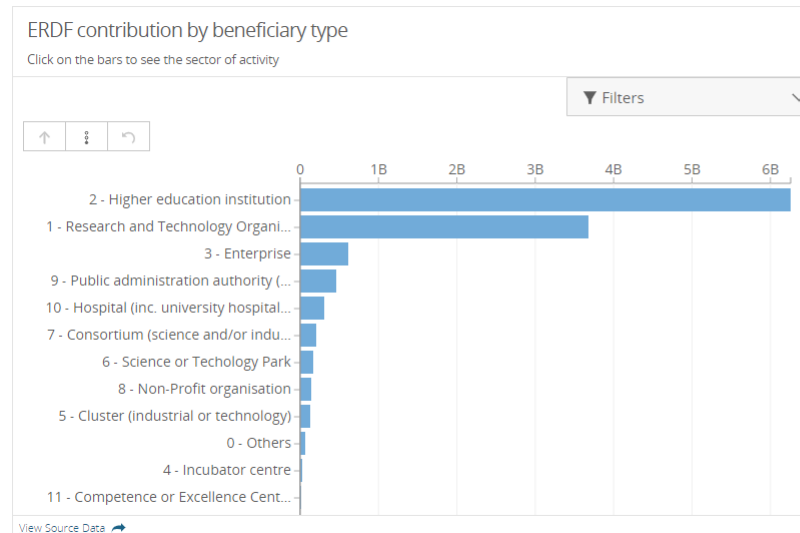
- 2.1. Type of direct beneficiary (level 1)
- 2.2. Type of direct beneficiary (level 2)
- 2.3. Ownership structure of the direct beneficiary
- 2.4. Size of the direct beneficiary
- 2.5. Role in the project

### Part 3. Type of end beneficiary

- 3.1. Type of end beneficiary of ERDF funding (level 1)
- 3.1. Type of end beneficiary of ERDF funding (level 2)
- 3.2. Type of ultimate user of the project's results (level 1)
- 3.2. Type of ultimate user of project's results (level 2)

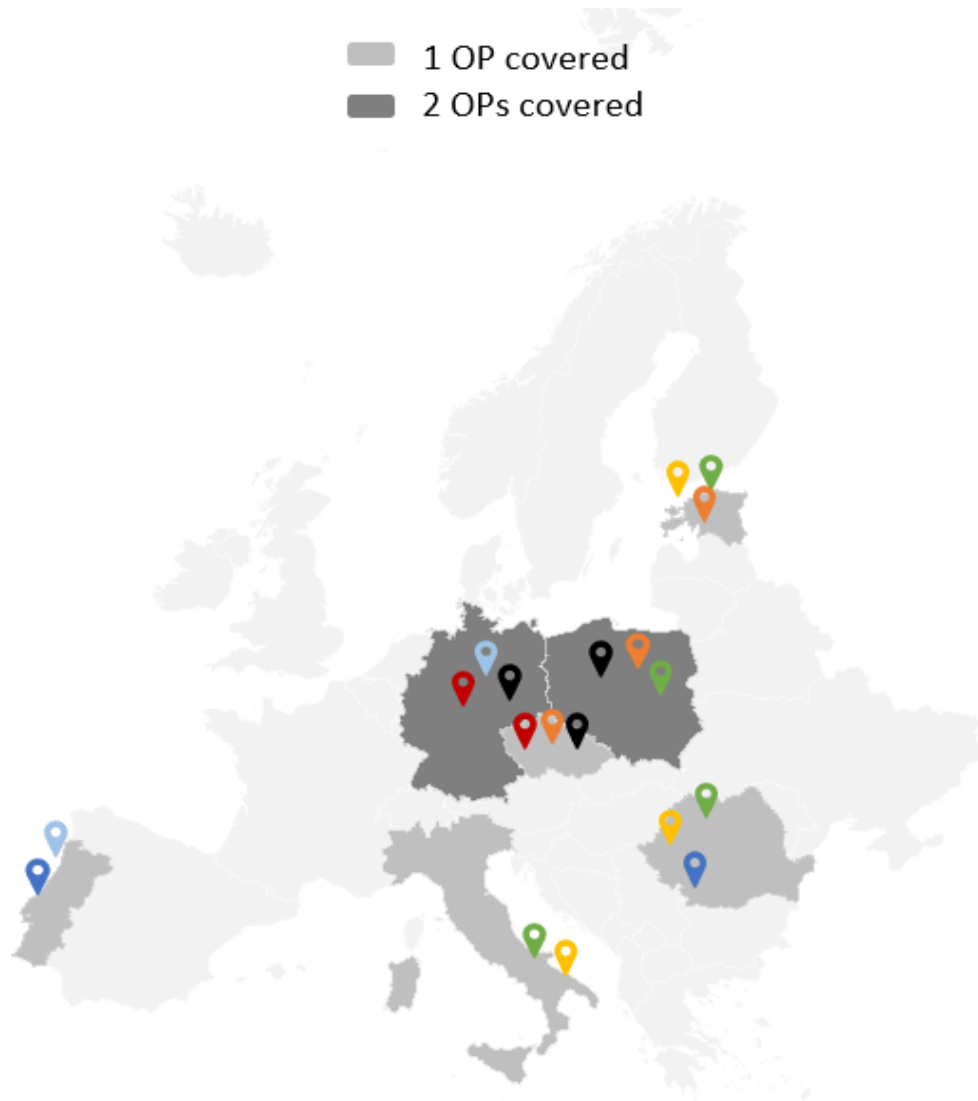
### Part 4. Financial information

- 4.1. Total eligible cost for the beneficiary
- 4.2. ERDF contribution to the beneficiary (€)
- 4.3. National/regional public contribution to the beneficiary
- 4.4. Private financing of the beneficiary



# Selected case studies

- 1 OP covered
- 2 OPs covered



## Individual R&D projects

- Germany: Individual R&D projects
- Portugal: Individual R&D projects in HEIs and RTOs
- Portugal: Individual R&D projects in HEIs and RTOs labelled as “excellent”



## Collaborative R&D projects

- Romania: Collaborative R&D projects (science-industry)
- Estonia: Collaborative R&D projects in Centres of Excellences
- Italy: Collaborative R&D projects (science-industry)
- Italy: Collaborative R&D projects in clusters



## Infrastructure investments for research

- Romania: Infrastructure investments for research in HEIs and RTOs
- Italy: Infrastructure investments for research in HEIs and RTOs
- Estonia: Infrastructure investments for research in HEIs, RTOs and other institutions



## Infrastructure investment for education

- Poland: Infrastructure investments for education in HEIs
- Estonia: Infrastructure investments for education in HEIs
- Czech Rep.: Infrastructure investments for education and research in existing HEIs



## ICT-based infrastructures

- Germany: ICT-based infrastructures
- Czech Rep.: ICT-based infrastructures



## Internationalisation of research

- Portugal: Internationalisation of research
- Romania: Internationalisation of research



## Major projects

- Poland: Wielkopolska Centre of Advanced Technologies in Poznan
- Czech Rep.: ELI: Extreme Light Infrastructure
- Germany: Reconstruction and renovation of the A. F. Weinhold-building

# Cross-case-study analysis

		Single Case Study (T3)						
		MS 1 (OP 1, 2, ..)	MS 2 (OP 1, 2, ..)	MS 3 (OP 1, 2, ..)	MS 4 (OP 1, 2, ..)	MS 5 (OP 1, 2, ..)	MS 6 (OP 1, 2, ..)	MS 7 (OP 1, 2, ..)
Cross-Case Study (T4)	Policy Intervention Type A	X		X	X	X	X	
	Policy Intervention Type B	X	X		X			
	Policy Intervention Type C		X			X	X	X
	Policy Intervention Type D	X	X	X				X

X= Single policy instrument in an OP; for illustration purposes only. No count attached.

## Policy Interventions

Policy Instruments

1. Individual R&D Projects (3)	2. Collaborative R&D Projects (7)	3. Infrastructure investments for research (8)	4. ICT-based infrastructure (3)
DE2 (Application-oriented research projects)	EE3 (Collaborative R&D projects in Centres of Excellence)	CZ1 (Research-related teaching infrastructure at higher education institutions)	CZ2 (ICT Infrastructure Investments)
PT1 (RTD projects led by entities of the scientific & technological system)	IT1 (Collaborative science-industry R&D projects)	CZ3 (ELI: Extreme Light Infrastructure)	DE1 (ICT-based infrastructures)
PT2 (RTD strategic projects developed in areas of public interest)	IT2 (Collaborative R&D projects in technological clusters)	EE1 (Infrastructure investments for research)	PL2 (Infrastructure investments for education financed)
	PL1 (Collaborative research and development)	EE2 (Infrastructure investments for education in HEIs)	
	PT3 (International cooperation RTD projects)	DE3 (Renovation of the A.F. Weinhold Building at the Tech. University of Chemnitz)	
	RO2 (Collaborative R&D projects)	IT3 (Infrastructure investments for research)	
	RO3 (Internationalisation of research)	PL3 (Wielkopolska Centre for Advanced Technologies - major project)	
		RO1 (Infrastructure investments for research)	

# Theory-of-change analysis

- Delineate overarching theories of change for each policy intervention
- Test the overarching theories of change
  - **Degree of change:** what is the magnitude of the effect observed? What happened?
  - **Degree of causality:** what is the cause of the effect occurring? Did the intervention cause the intended results?
  - **Contributing factors:** pre-conditions, supporting factors, risks and threats, unintended results



# The cookbook approach

- Draw **lessons and main findings** from the cross-case-study analysis
- Provide recommendations for an **effective design** of the different types of intervention
- Stand-alone document for **policymakers**
- Possible **expansion** of the approach to the ex post evaluation 2014-2020

# Seminar 7 May 2021

- Present, reflect and validate the emerging findings from the evaluation with a broader audience of interested **RTD policy stakeholders** from Member States, pan-European institutions, and Commission officials
- Collect **additional feedback** from stakeholders
- Reflect upon possible **recommendations and improvements** of future RTD support under ERDF

[Registration link](#)

Many thanks for your  
attention!

REGIO Unit B2

