



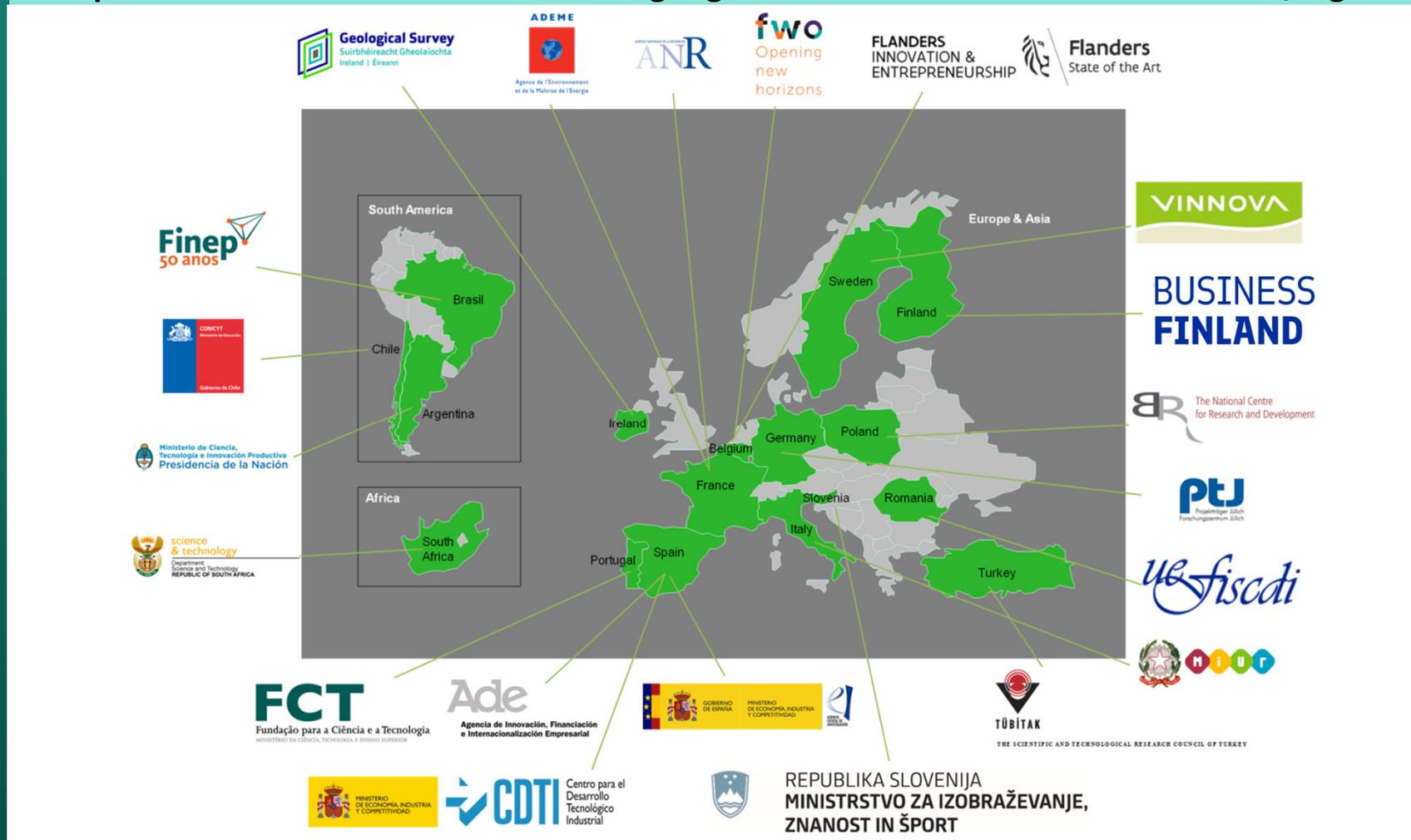
RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY



Co-funded by the Horizon 2020 programme
of the European Union

ERA-MIN 2. Consortium

21 public research and innovation funding organisations of EU and non-EU countries/regions



ERA-MIN Joint Call 2017

Co-funded Call 2017

- EU co-funding: ca. **5 M€**
- Total call budget ca. **15 M€**
- Launch: **1st February 2017**
- Funding decision: **Jan. 2018**
- Projects start: **1st May 2018**
- **Centralised peer-review** based on the H2020 evaluation criteria: 1) Excellence, 2) Impact and 3) Implementation.
- Selection of projects following a **ranking list** recommended by the Scientific Evaluation Board.

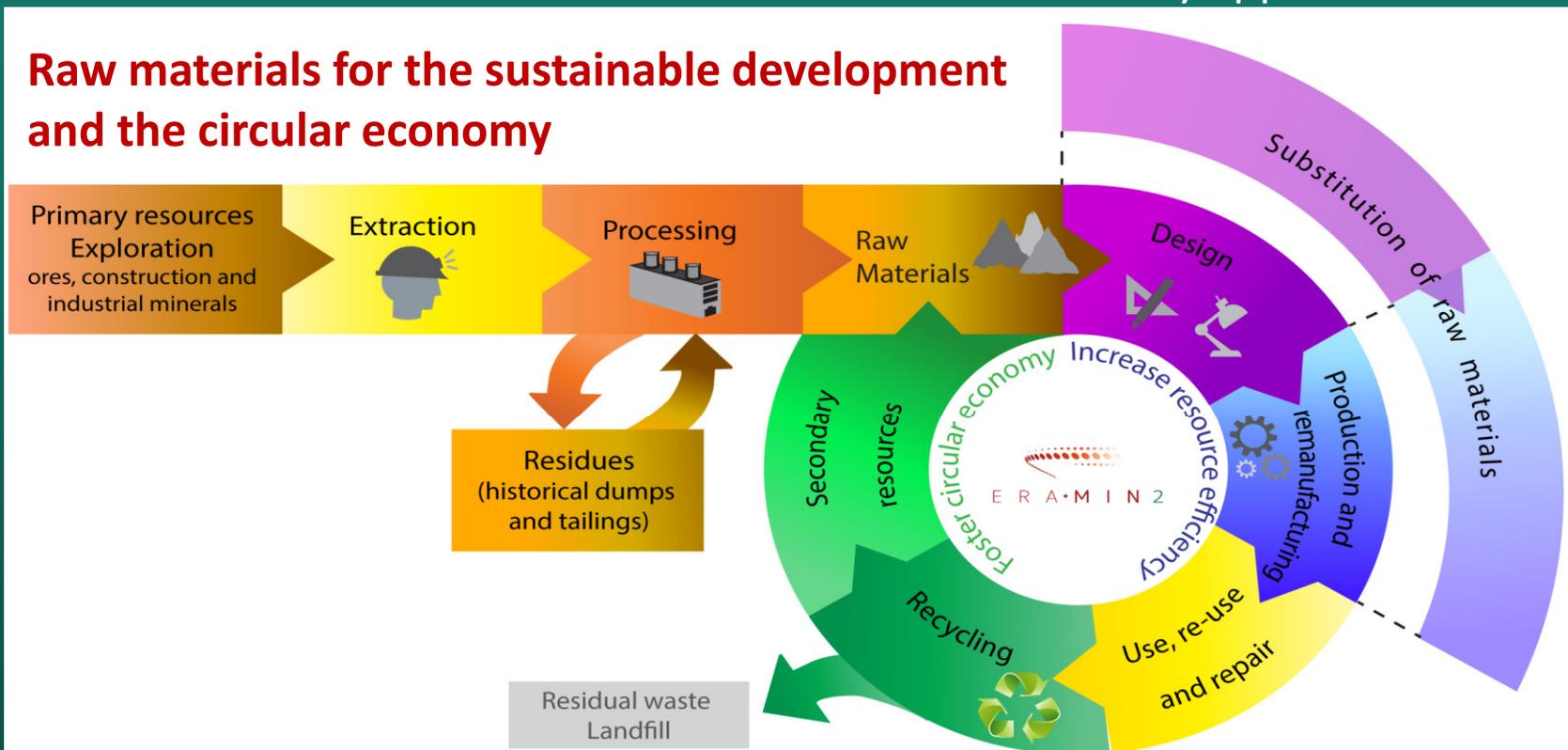
Additional Objectives/activities

- In support of the **EU integrated strategy “Raw Materials Initiative” (2008)** and the **European Innovation Partnership on Raw Materials (2012)**
- Support and **promote R&I cooperation**
- **Improve the efficiency and impact** of human and financial investment in R&I activities
- Enhance and strengthen the synergies, coord. & **collaboration of EU and non-EU RFOs**
- Two additional calls **without EU co-funding**

ERA-MIN Joint Call 2017 at a glance

SCOPE: demand-driven research and innovation on primary and secondary resources of metallic, construction and industrial minerals and substitution of Critical Raw Materials in a circular economy approach.

Raw materials for the sustainable development and the circular economy



ERA-MIN Joint Call 2017 – thematic areas

Five main topics:

1. Supply of raw materials from exploration and mining
2. Design
3. Processing, Production and Remanufacturing
4. Recycling of End-of-Life Products
5. Cross-cutting topics:

5.1. New **business models**

5.2. Improvement of methods or data for
environmental impact assessment

5.3. **Social acceptance** and trust/public perception
of raw materials

ERA-MIN Joint Call 2017 – main topics and sub-topics

1. Supply of raw materials from exploration and mining

- 1.1. Exploration
- 1.2. Mining operations
- 1.3. Mine closure & reclamation

2. Design

- 2.1. Product design for increased raw material efficiency
- 2.2. Product design for reuse or extended durability of product
- 2.3. Product design to promote recycling
- 2.4. Product design for critical material substitution

ERA-MIN Joint Call 2017 – main topics and sub-topics

3. Processing, Production and Remanufacturing

- 3.1. Increase resource efficiency in resource intensive production processes
- 3.2. Increase resource efficiency through recycling of residues or manufacturing
- 3.3. Increase resource efficiency using information & communication technologies (ICT)

4. Recycling of End-of-life products

- 4.1. End-of-life products collection and logistic
- 4.2. End-of-life products pre-processing
- 4.3. Recovery of raw materials from End-of-life products
- 4.4. Increase recycling of End-of –Life products information & communications technologies (ICT)

ERA-MIN Joint Call 2017 at a glance

Joint application & evaluation but **national/regional funding**

- **National/regional funding rules and regulations apply:**
 - Not all **topics and sub-topics** are supported by all funding organisations
 - Eligible **partners** are from academia, industry, SMEs, NGOs, public authorities from the participating countries/regions
 - Eligible **type of research**: fundamental and applied research (Technology Readiness Level TRL between 1 and 9)

ERA-MIN Joint Call 2017 at a glance

A project consortium had to include, at least, **two** independent legal entities eligible to request funding of, at least, **two different EU Member States** or EU Associated Countries participating in the Call.

Applicants not requesting funding could be partners of the consortium, on the condition that they provided evidence of the availability of their own funds.

Project consortia of 2 to 11 partners from 2 to 8 countries

Academia-industry partnerships were particularly encouraged to apply. Other types of consortia (e.g. purely industrial or academic) have also applied.

The **total costs** of a submitted proposal was in the range of **350,000 Euros** and **2 million Euros**

The **total requested funding** of a submitted proposal was typically in the range of **300,000 Euros** and **1.5 million Euro**

Project duration was between 18 and 36 months

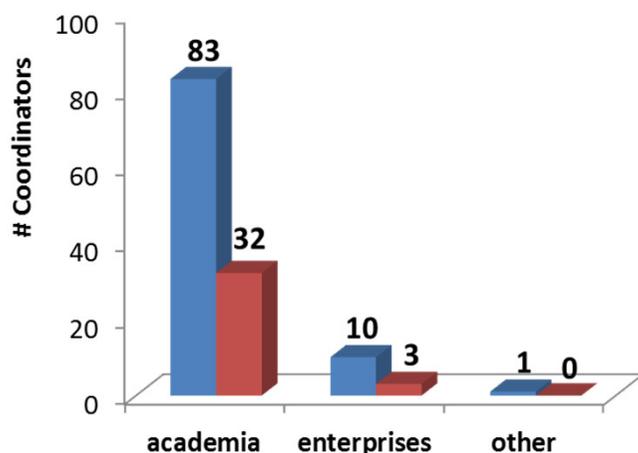
ERA-MIN Joint Call 2017

Call statistics

Pre-proposal and full- proposals submission

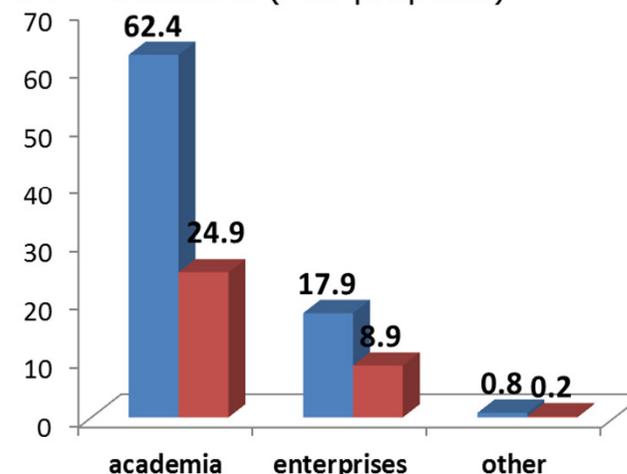
ERA-MIN Joint Call 2017 – proposals submission

94 Pre-proposals
35 Full-proposals



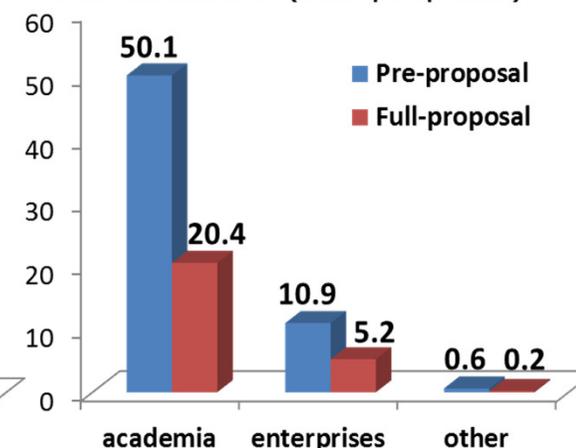
Total costs:

81.2 million € (Pre-proposal)
34 million € (Full-proposal)



Requested funding:

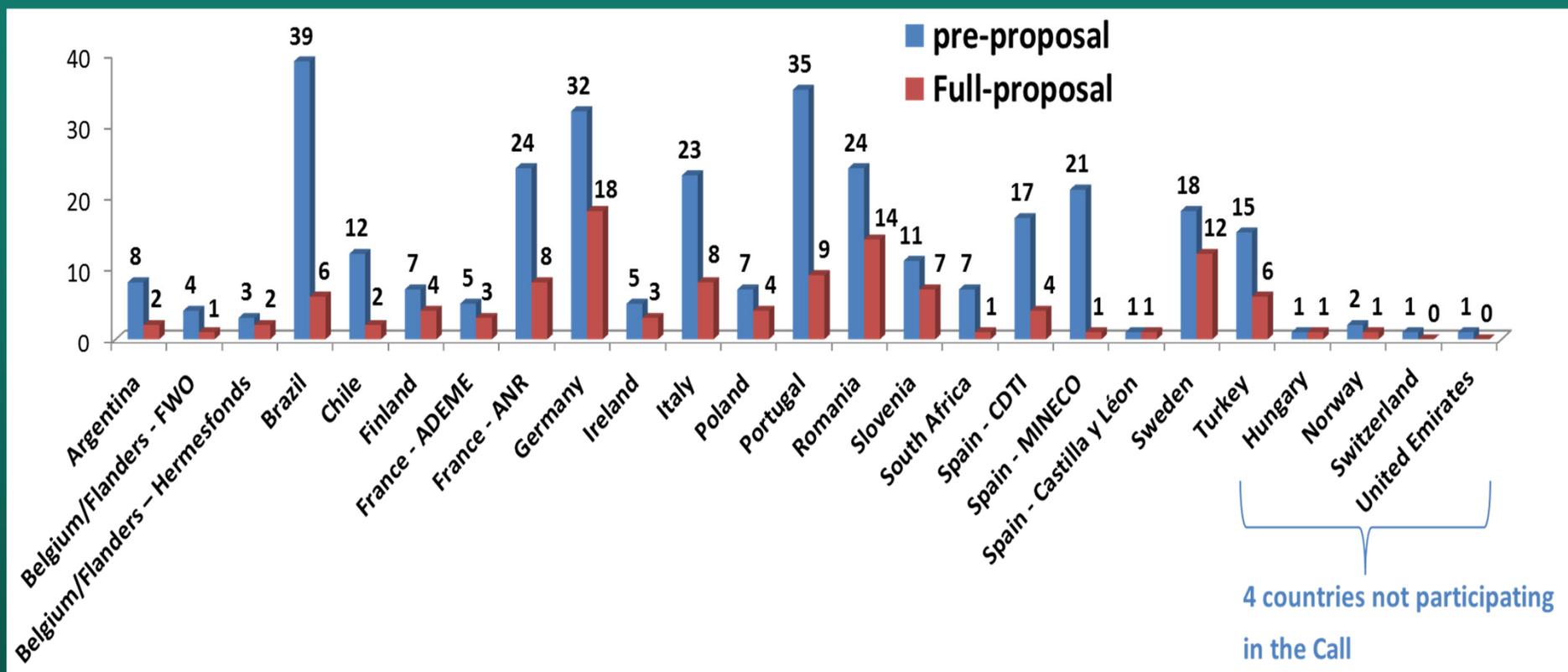
61.7 million € (Pre-proposal)
25.7 million € (Full-proposal)



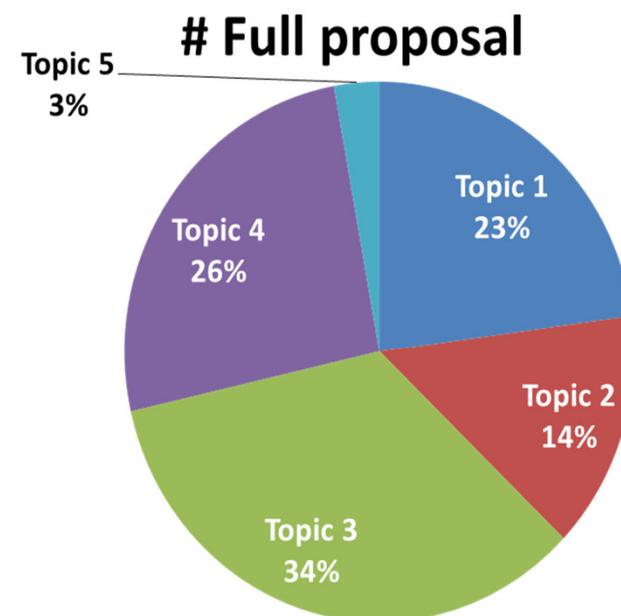
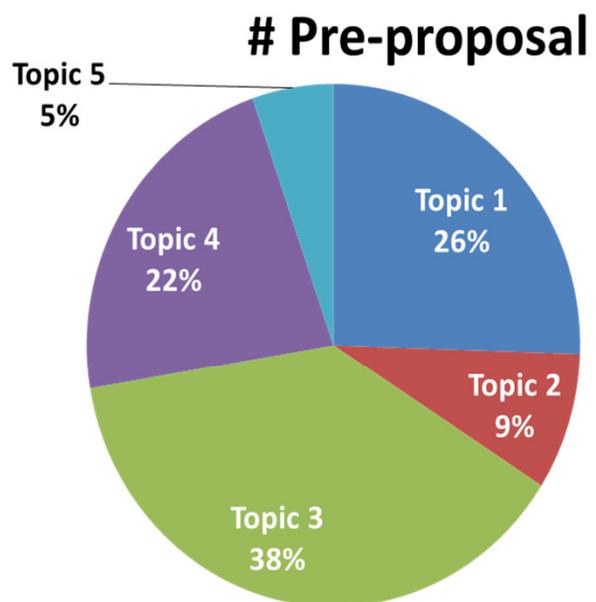
94 Pre-proposals involving **493** applicants (**27% enterprises**)

35 Full-proposals involving **186** applicants (**33 % enterprises**)

ERA-MIN Joint Call 2017 – proposals submission by country

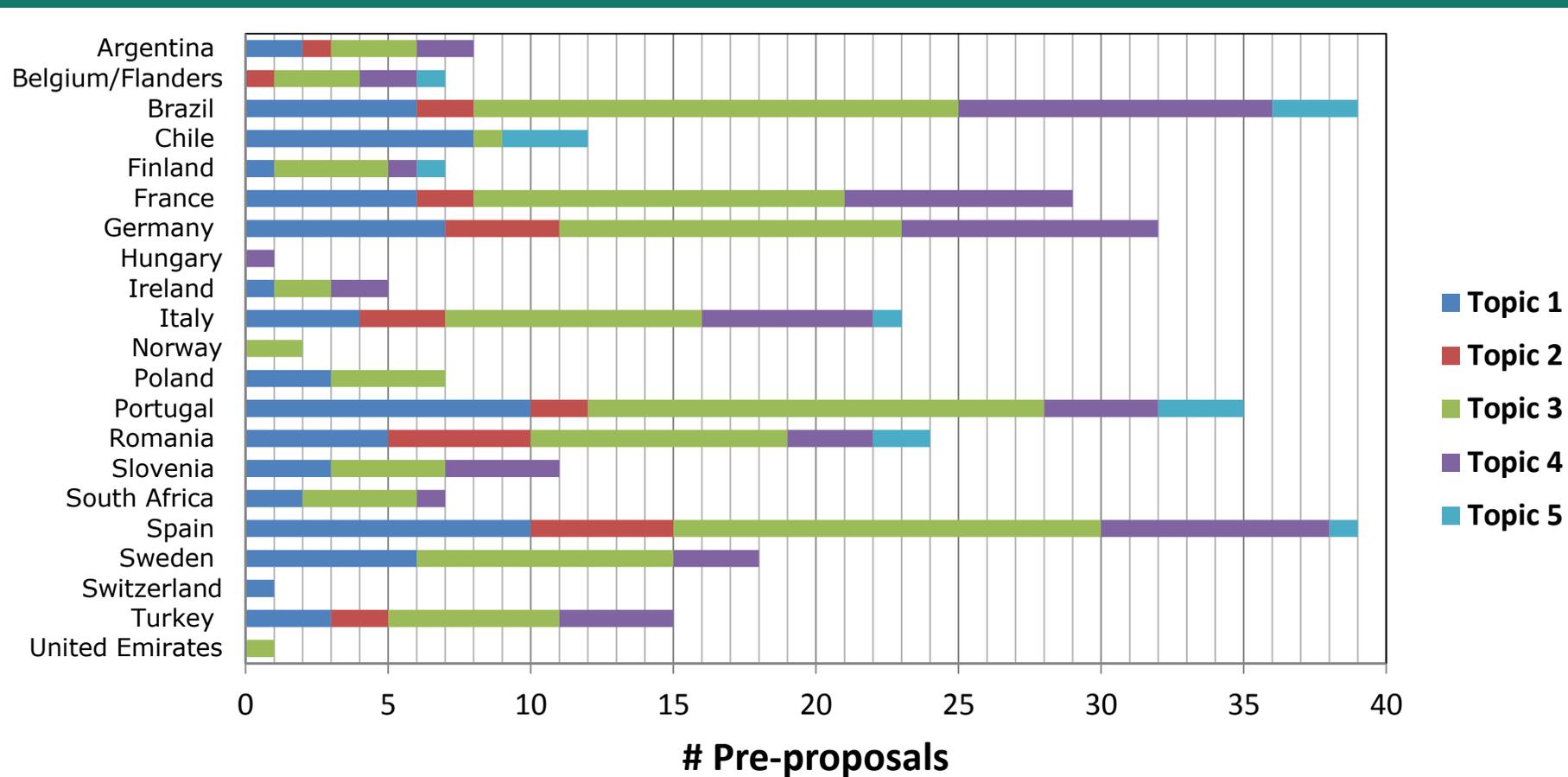


ERA-MIN Joint Call 2017 – proposals submission by call topic



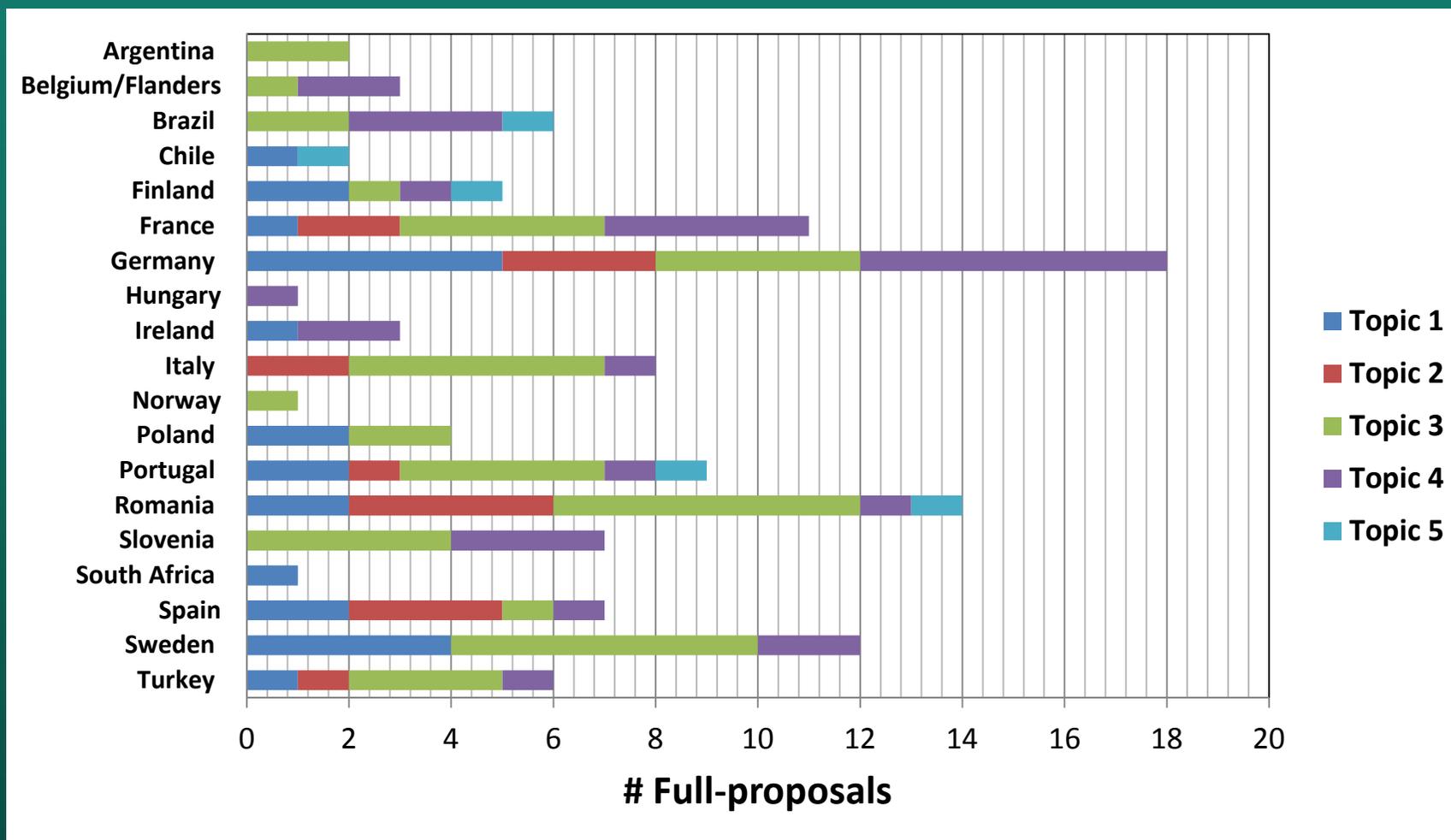
ERA-MIN Joint Call 2017

Main call topics addressed in each country (pre-proposals)



ERA-MIN Joint Call 2017

Main call topics addressed in each country (full-proposals)

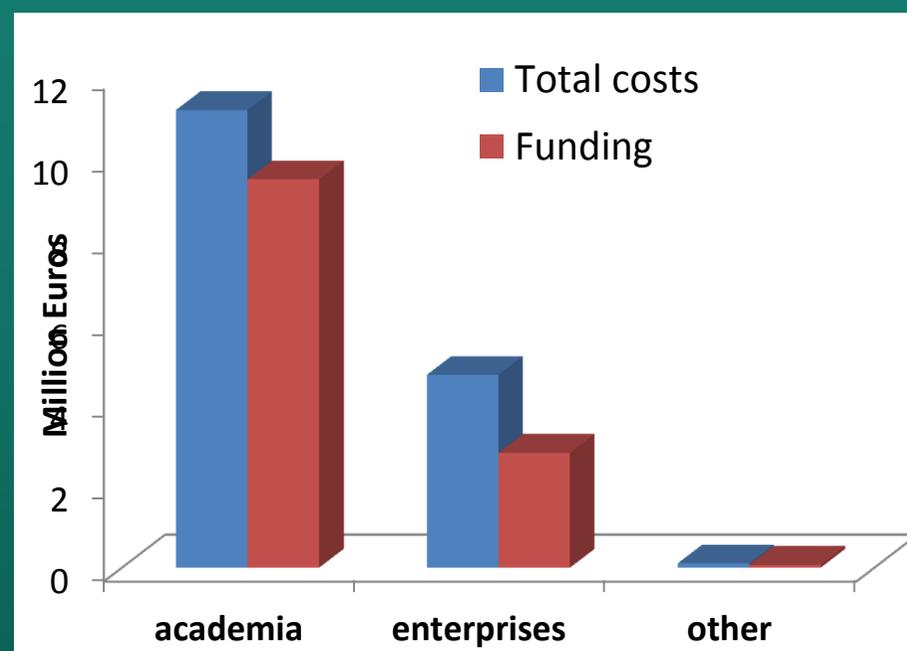
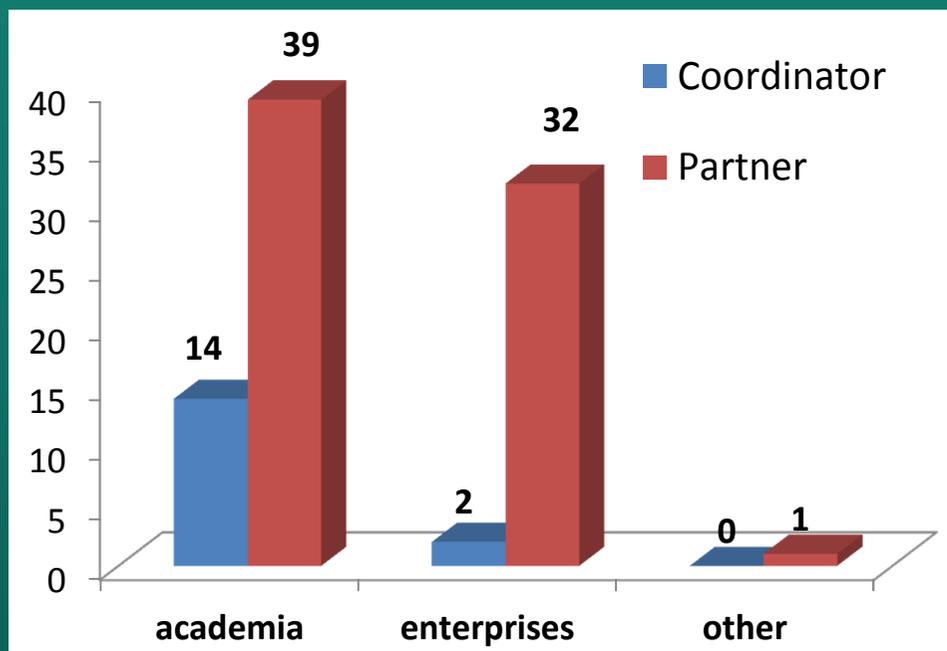


ERA-MIN Joint Call 2017

Call statistics

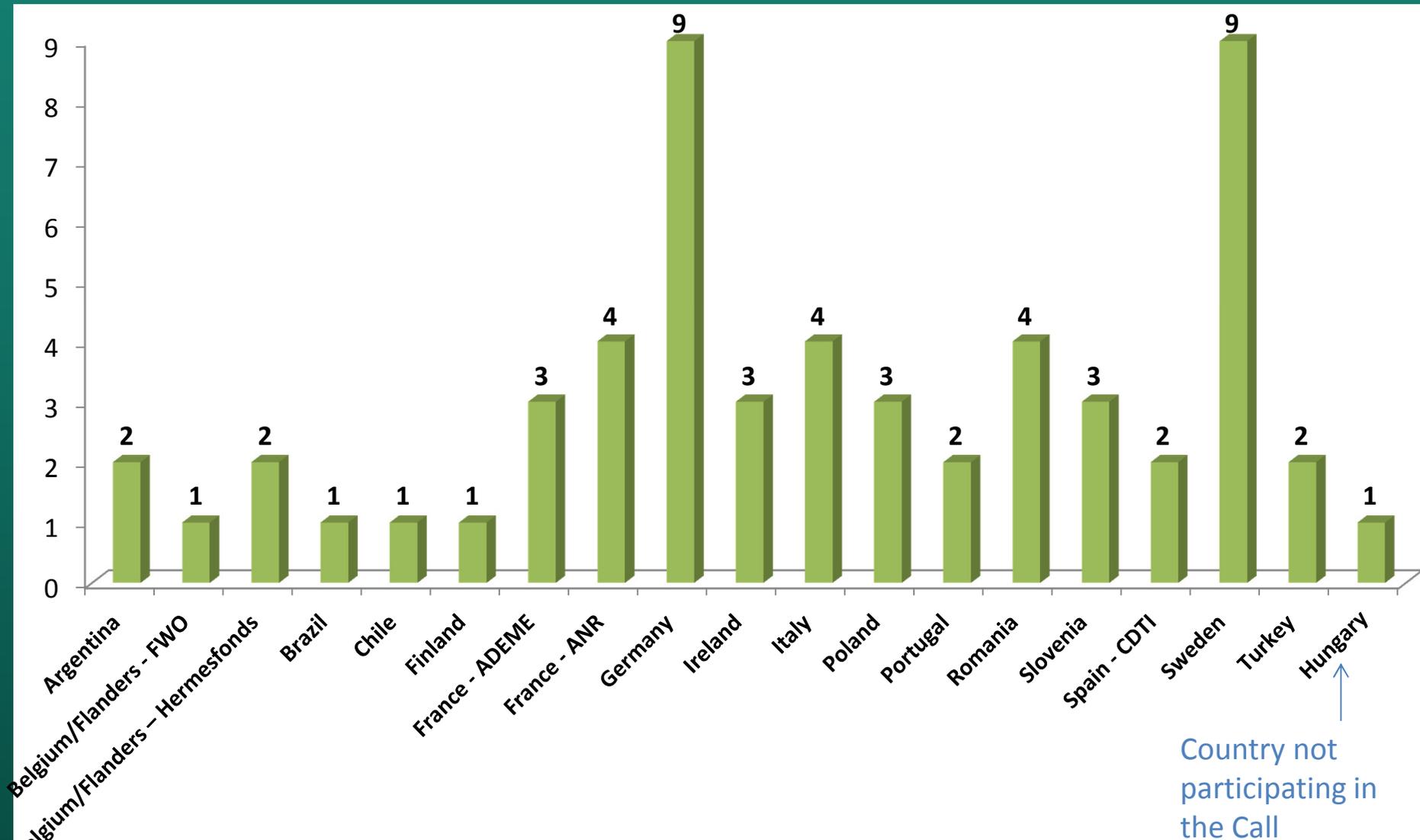
Funded projects

ERA-MIN Joint Call 2017 – funded projects

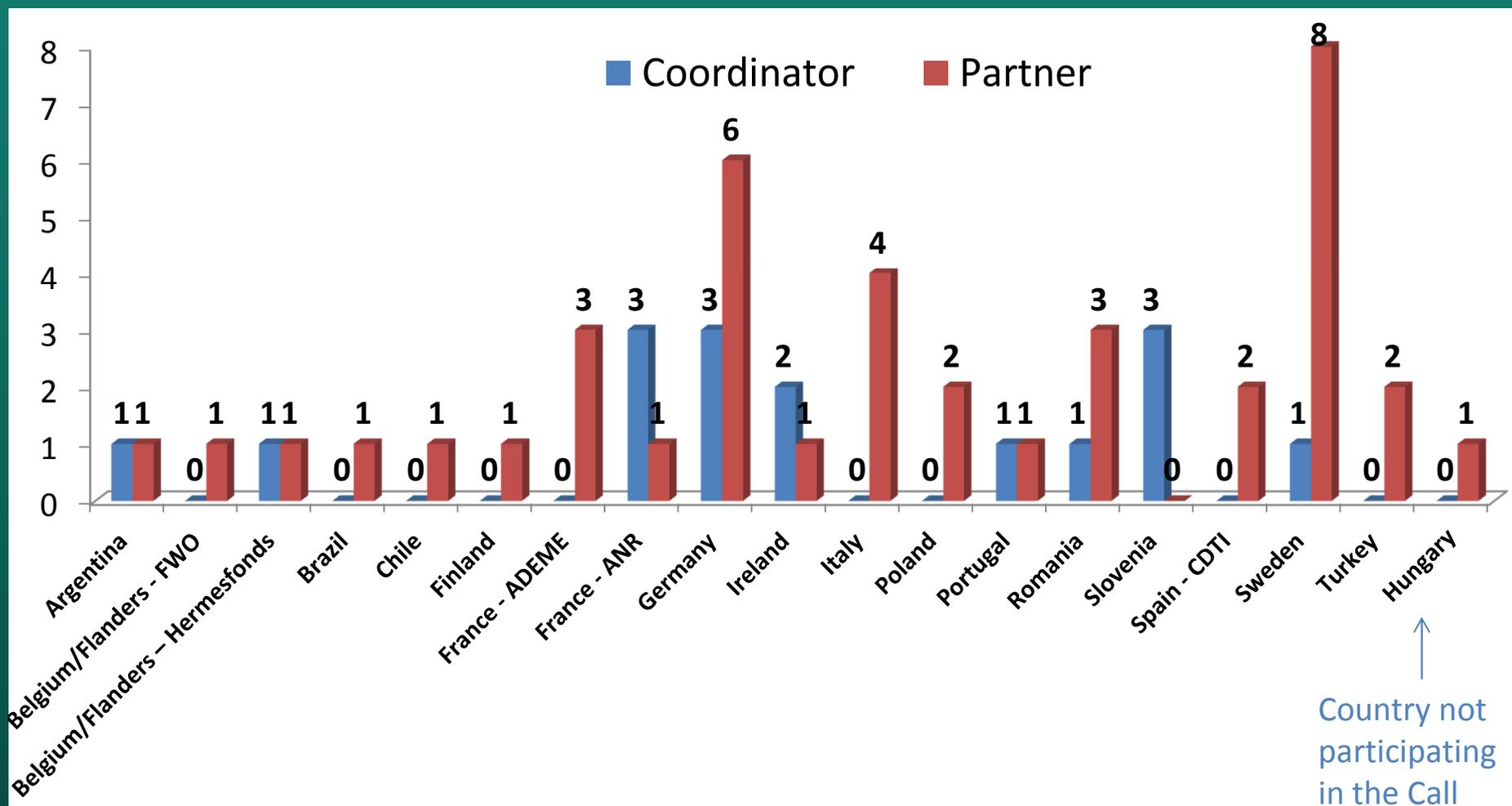


16 transnational funded projects by **16 countries/region**
12.3 million Euro allocated funding of **16 million Euro costs**
34 enterprises out of a total of **88 beneficiaries**

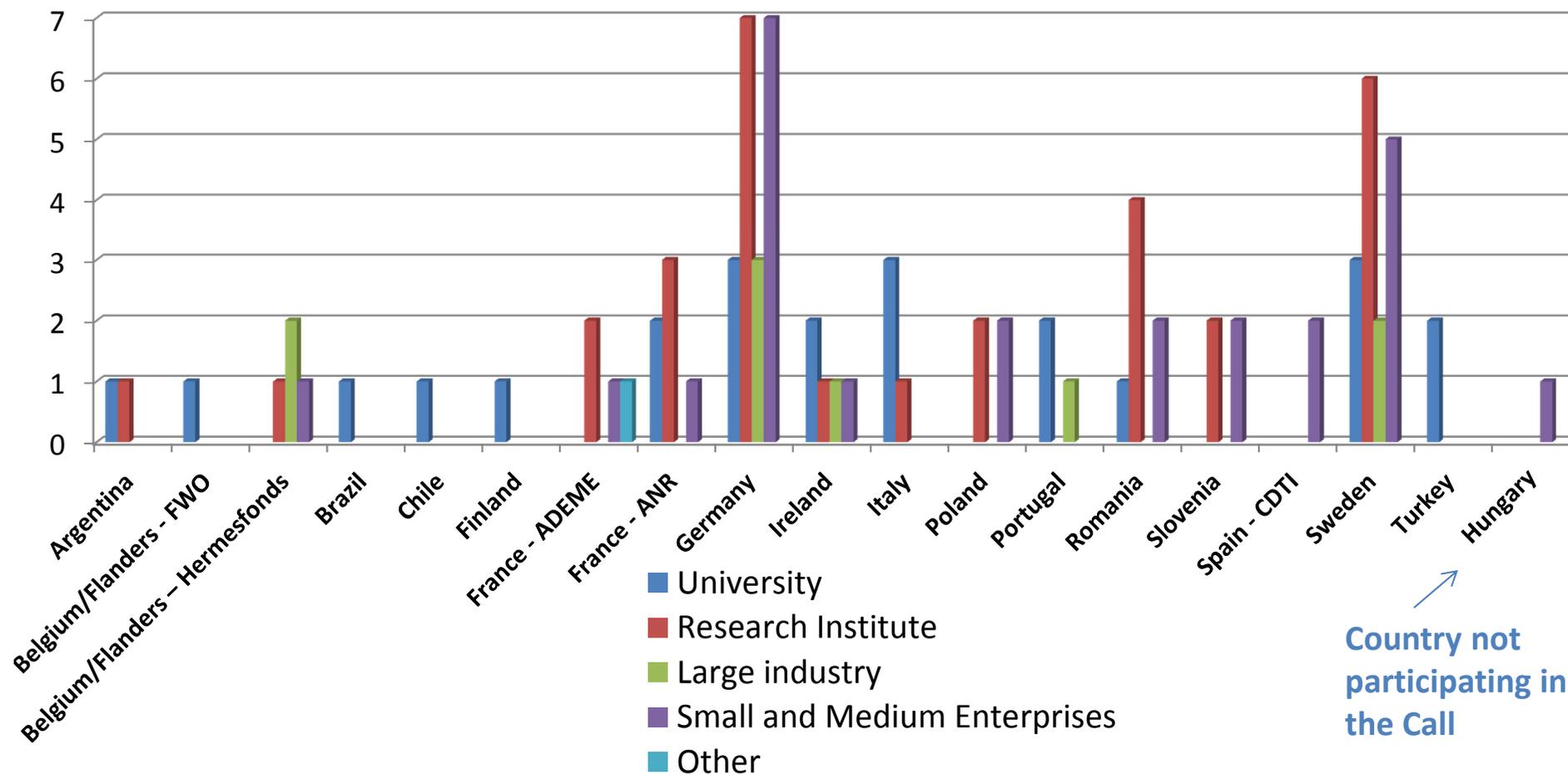
ERA-MIN Joint Call 2017 – Funded projects by country/region



ERA-MIN Joint Call 2017 – Participations as coordinator and as partner in funded projects

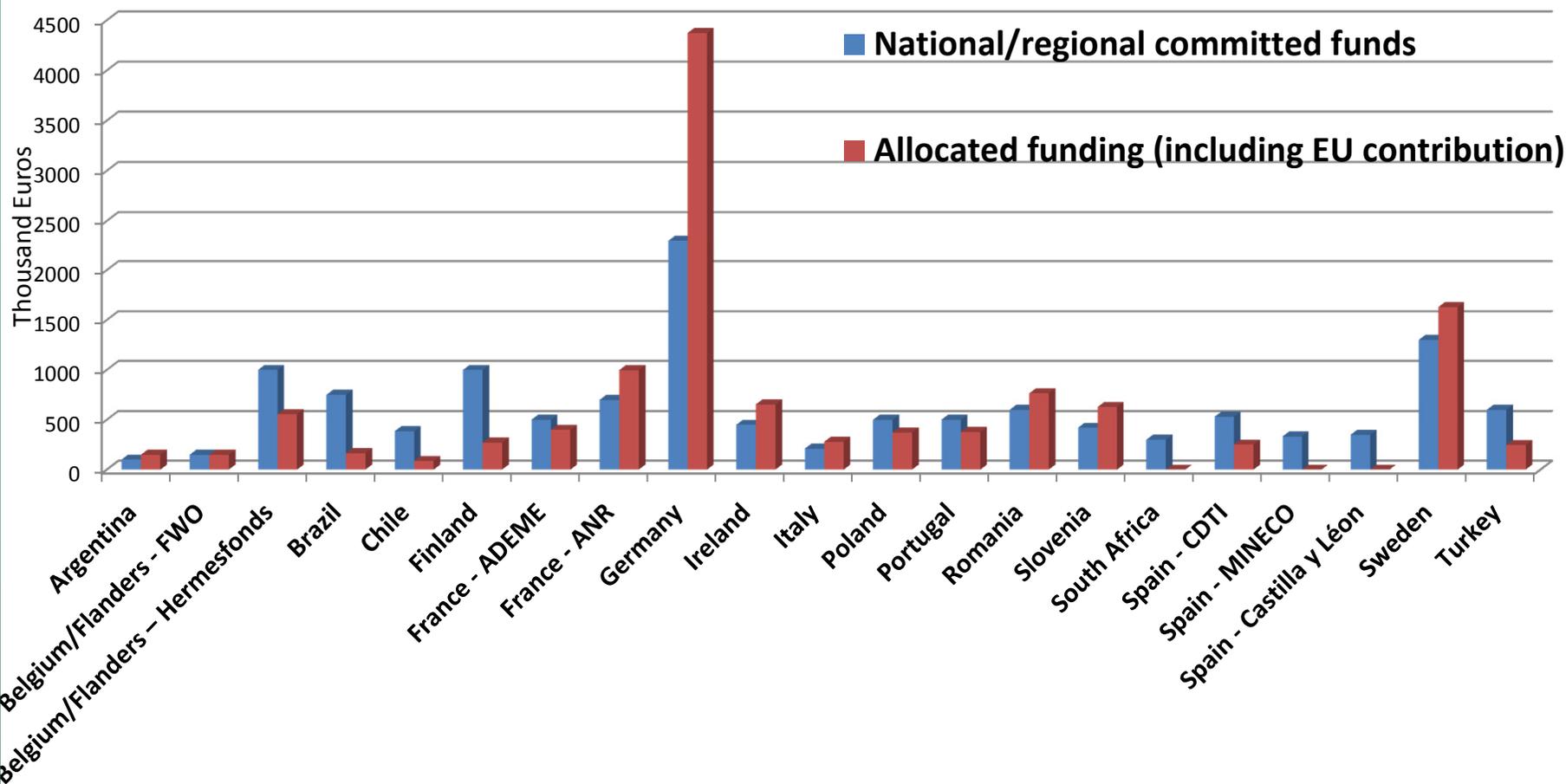


ERA-MIN Joint Call 2017 – Type of applicants in funded projects



ERA-MIN Joint Call 2017

Allocated funding (including EU contribution) to funded projects

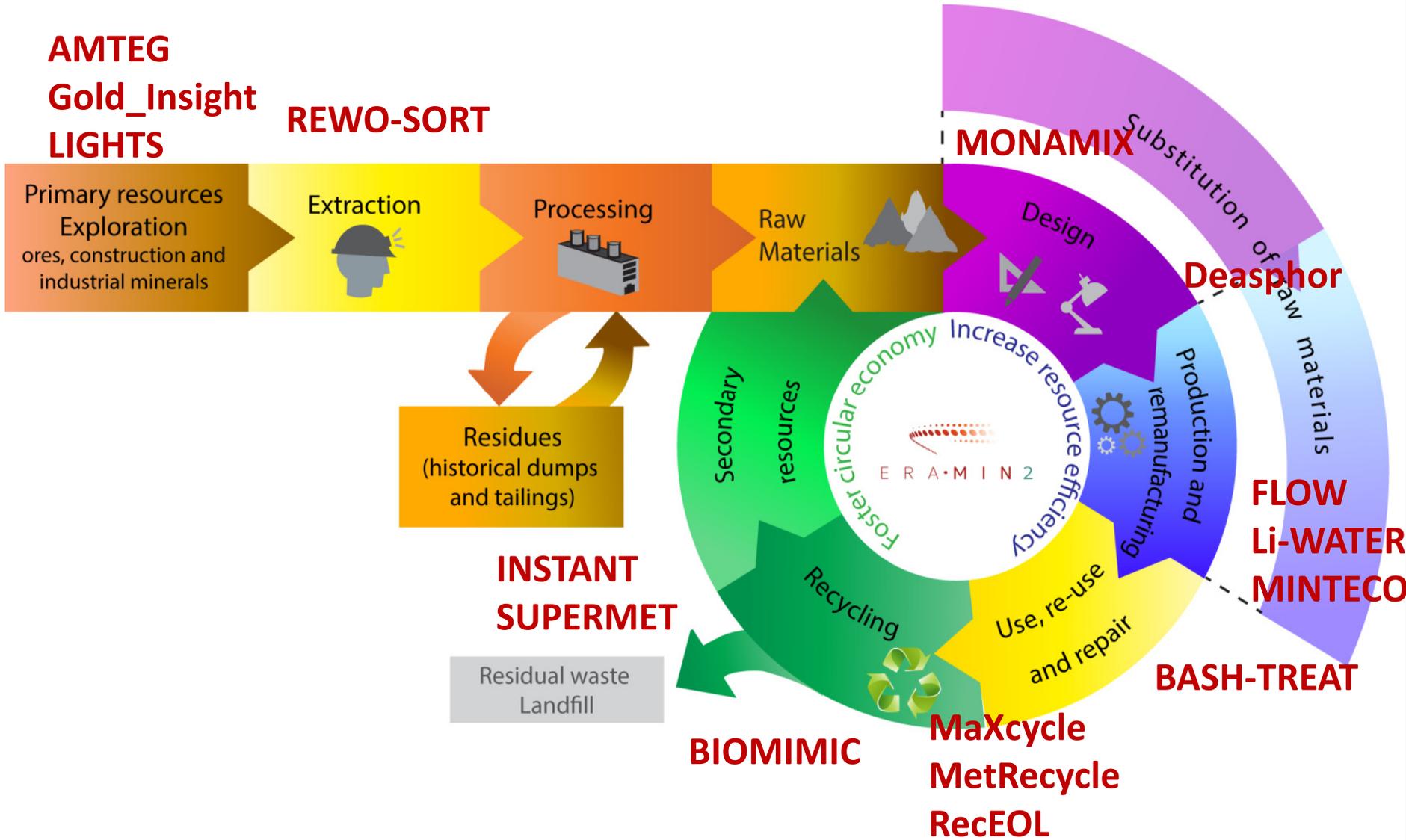


Partnerships established between partners of the 16 funded projects

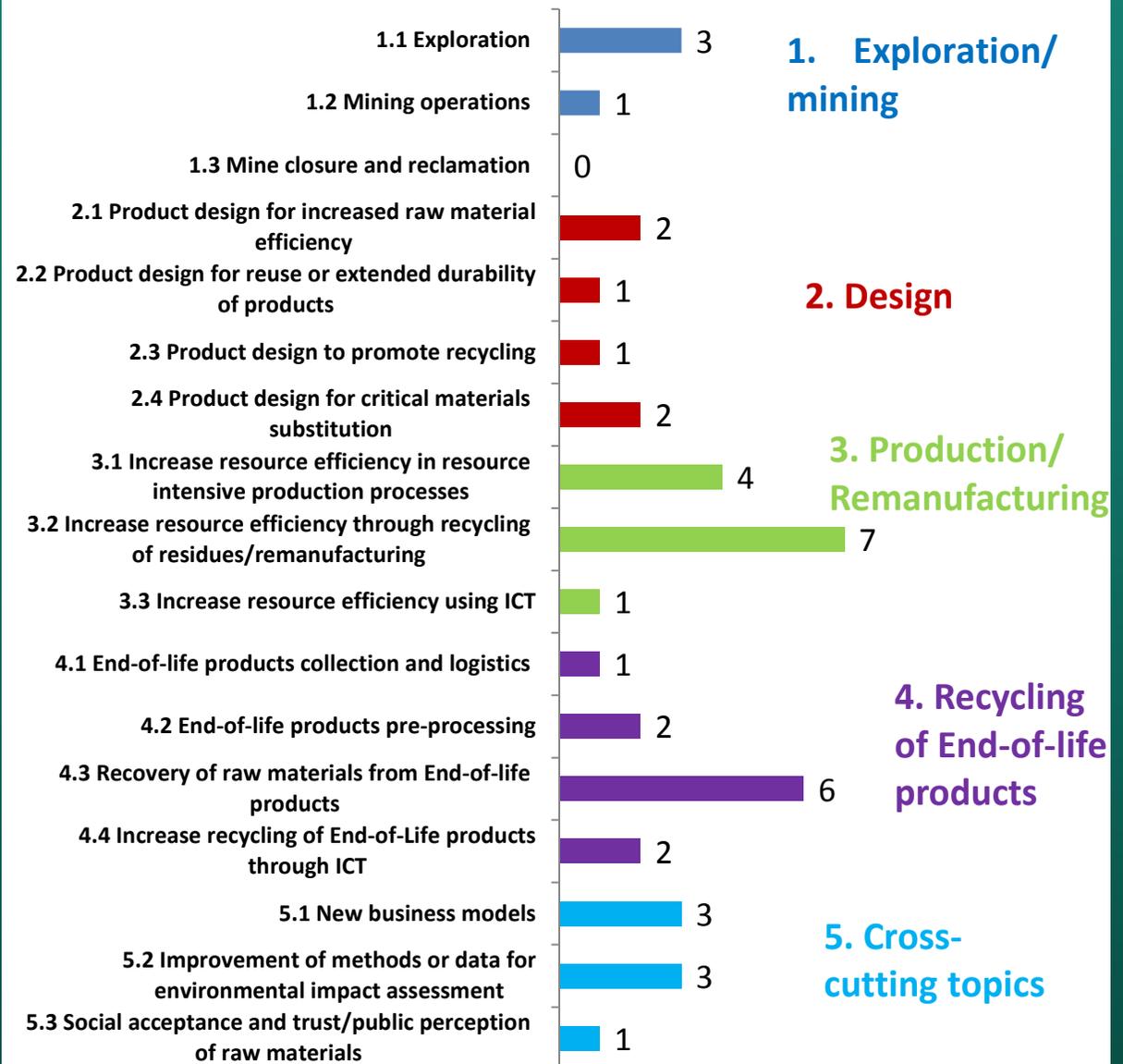


18 public research and innovation funding organisations
of 11 EU countries, 1 EU region, 1 EU Associated Country and 3 non-EU countries

ERA-MIN Joint Call 2017 – thematic areas addressed by funded projects

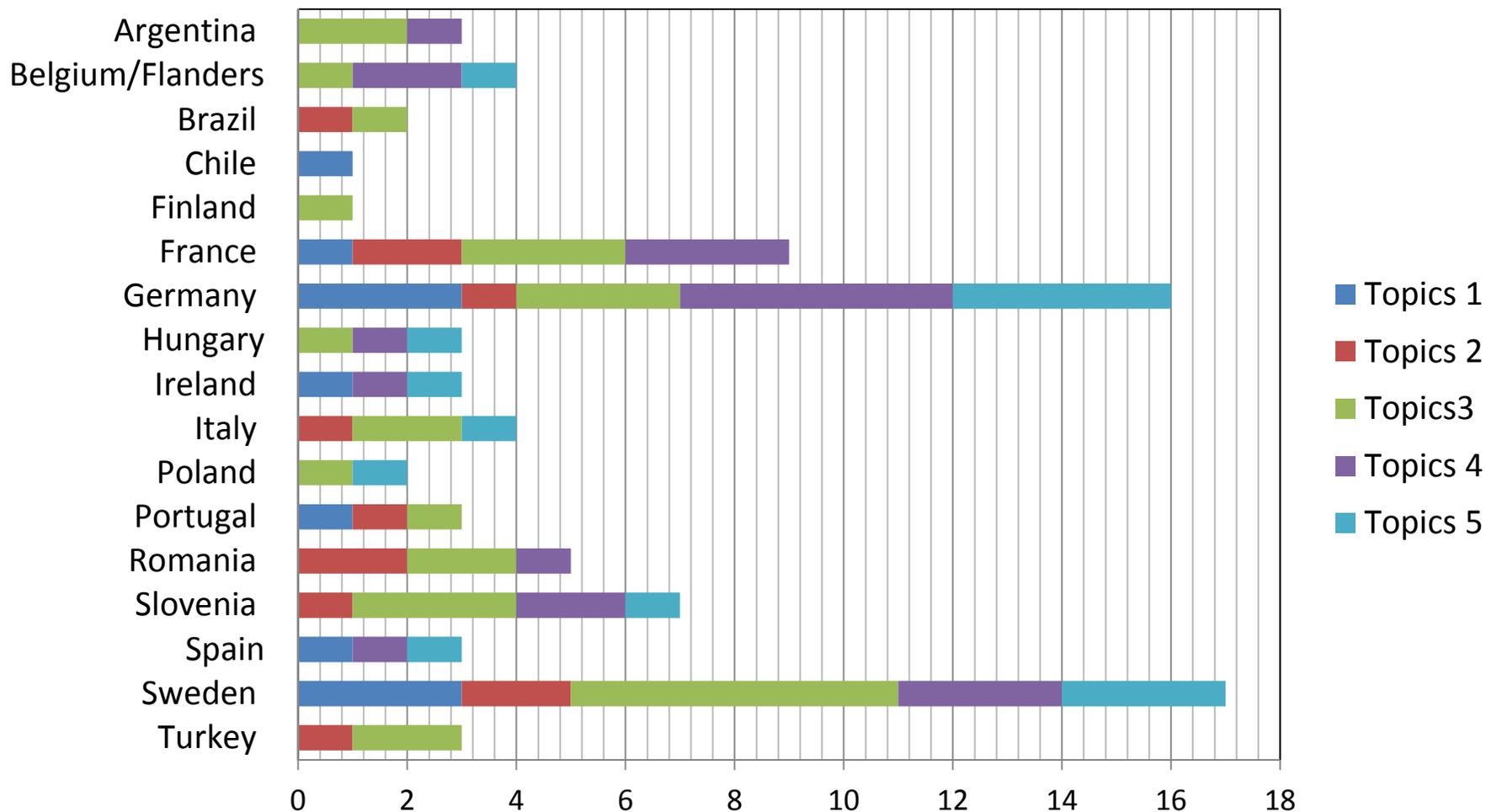


ERA-MIN Joint Call 2017 – Sub-topics of the main 5 call topics covered by the 16 funded projects



ERA-MIN Joint Call 2017

Call topics covered by the funded projects in each country/region



Summary of ERA-MIN and ERA-MIN 2 Joint Transnational Calls

	ERA-MIN Call 2017	Call 2015	Call 2014	Call 2013
Scope	Raw materials for the sustainable development and the circular economy	Sustainable Raw Materials Supply in Europe	Sustainable Raw Materials Supply in Europe	Sustainable and responsible supply of primary resources
Main call thematic areas	<ol style="list-style-type: none"> 1. Supply of raw materials from exploration and mining 2. Design 3. Processing, Production and Remanufacturing 4. Recycling of End-of-Life Products 5. Cross-cutting topics (New business models; Improvement of methods or data for environmental impact assessment; Social acceptance and trust/public perception of raw materials) 	<ol style="list-style-type: none"> 1. Primary resources 2. Secondary resources (recycling) 3. Substitution of Critical Raw Materials 	<ol style="list-style-type: none"> 1. Primary resources 2. Secondary resources (recycling) 3. Substitution of Critical Raw Materials 	<ol style="list-style-type: none"> 1. Primary resources

Summary of ERA-MIN and ERA-MIN 2 Calls

	ERA-MIN Call 2017	Call 2015	Call 2014	Call 2013
Participating Funding bodies and Countries / Regions	<u>21 funding organisations</u> 12 EU/Associated countries: 2 EU regions: 4 non-EU countries: Argentina, Brazil, Chile, South Africa	<u>13 funding org.</u> 10 EU/Associated countries 2 non-EU countries: Argentina, South Africa	<u>12 funding org.</u> 10 EU/Associated countries 2 non-EU countries: Argentina, South Africa	<u>5 funding org.</u> 5 EU countries
Total Call budget	15 million € (including EU co-funding of 5 million €)	8 million €	7.7 million €	3.9 million €
submission procedure	Two-stage submission procedure: pre-proposal (Stage 1) and full-proposal (stage 2)	One-stage: full-proposal	One-stage: full-proposal	One-stage: full-proposal

Summary of ERA-MIN and ERA-MIN 2 Calls

	ERA-MIN Call 2017	Call 2015	Call 2014	Call 2013
Submitted proposals	94 Pre-proposals 35 Full-proposals	23 Full-proposals	21 Full-proposals	18 Full-proposals
Pre-proposals	493 Applicants / 27% Enterprises	126 Applicants/	83 Applicants/	67 Applicants/
Full-proposals	186 Applicants/ 33 % Enterprises	30% Enterprises	22% Enterprises	26% Enterprises
Funded projects (success rate)	16 (17%) 88 Applicants/ 38.6 % Enterprises	6 (26 %)	7 (33.3 %)	4 (22.2%)
Allocated funding	12.3 million €	5.1 million €	5.1 million €	2.8 million €
Projects Start-end date	May 2018 – April 2021	Jan.16-Dec. 18	Jan.15-Dec.17	Jan. 14-Dec. 16

HOW CAN YOU GET INVOLVED?

If you are a researcher from academia, SME, industry, NGO or public authority

- Apply, as coordinator or partner, in a transnational consortium to 2018 and 2019 ERA-MIN Joint Calls
- Apply as reviewer for the scientific peer-review of international R&D projects

If you are a Research Funding Organisation (Ministry or Agency) from European or non-European country or region

- Join the **2018/2019 joint calls** for transnational R& projects to support the internationalization of the researchers from your country or region

If you represent a raw materials initiative, Horizon 2020 project, industrial association or an international body

- Liaison with ERA-MIN 2 activities to ensure complementarity and avoid duplication of efforts

COORDINATION
PORTUGAL



RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY



Co-funded by the Horizon 2020 programme
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