



RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY



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

Ms. Dina Carrilho
Department of International Relations



Information Days HORIZON 2020 Societal Challenge 5 - 2018 Calls , 8-9 November 2017, Brussels

- ERA-MIN 2 network: consortium, objectives/activities
- ERA-MIN Joint Call 2017: call statistics
- Future Joint Calls/activities

ERA-MIN 2. Introduction

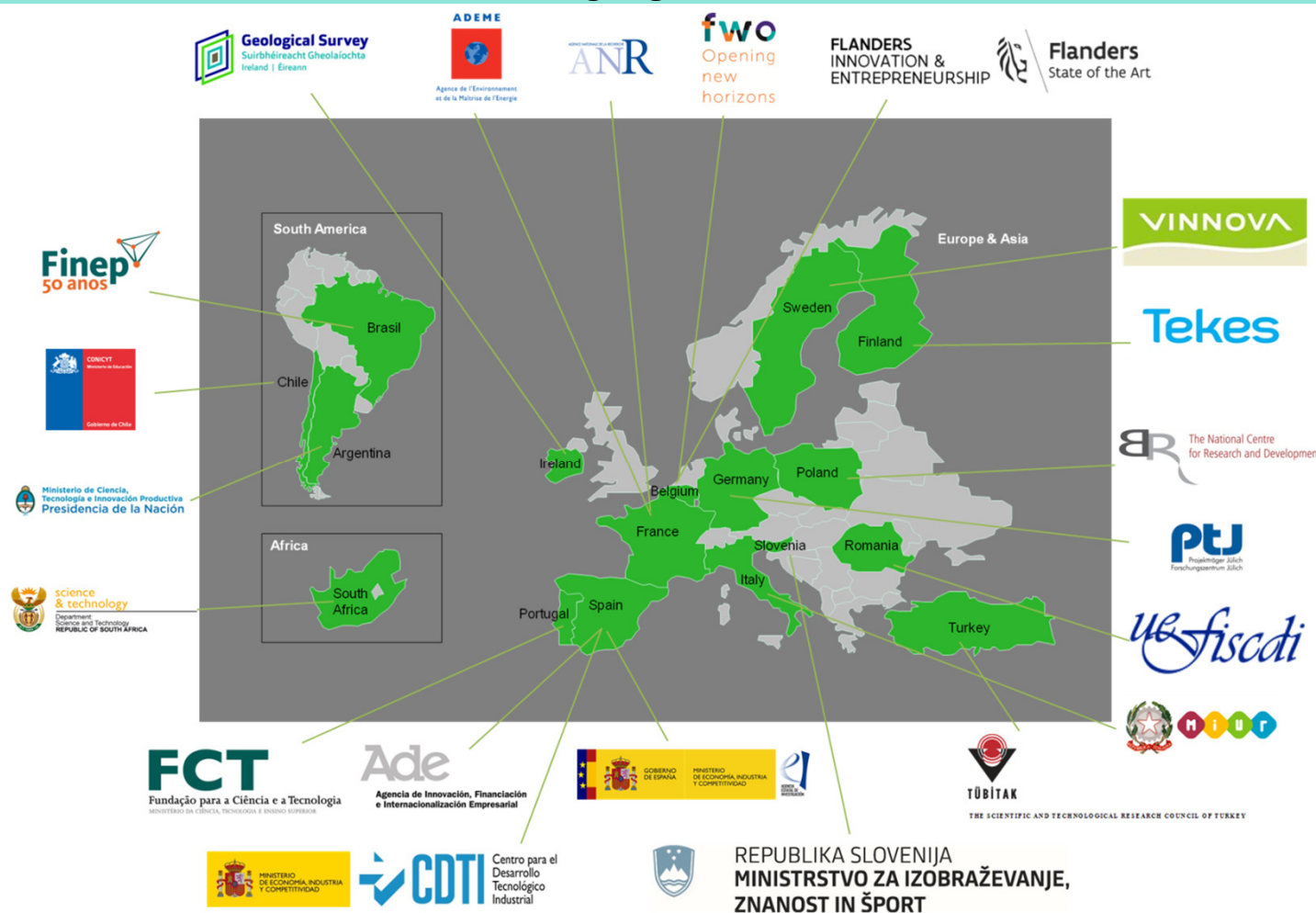
- Horizon 2020 ERA-NET Cofund on Raw Materials (Societal Challenge 5)
- Title: *Implement a European-wide coordination of research & innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy*

ERA-MIN 2 aims to develop the non-energy and non-agricultural raw materials sector: **construction, industrial and metallic minerals.**

- ERA-NET Cofund:
 - Consortium partners are **research funding organizations** (RFOs; Ministries, national and regional funding agencies).
 - **European Commission grants up to 33% of the national/regional funds committed** by the RFOs in the ERA-NET Cofund Call

ERA-MIN 2. Consortium

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



ERA-MIN 2 activities / objectives:

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.

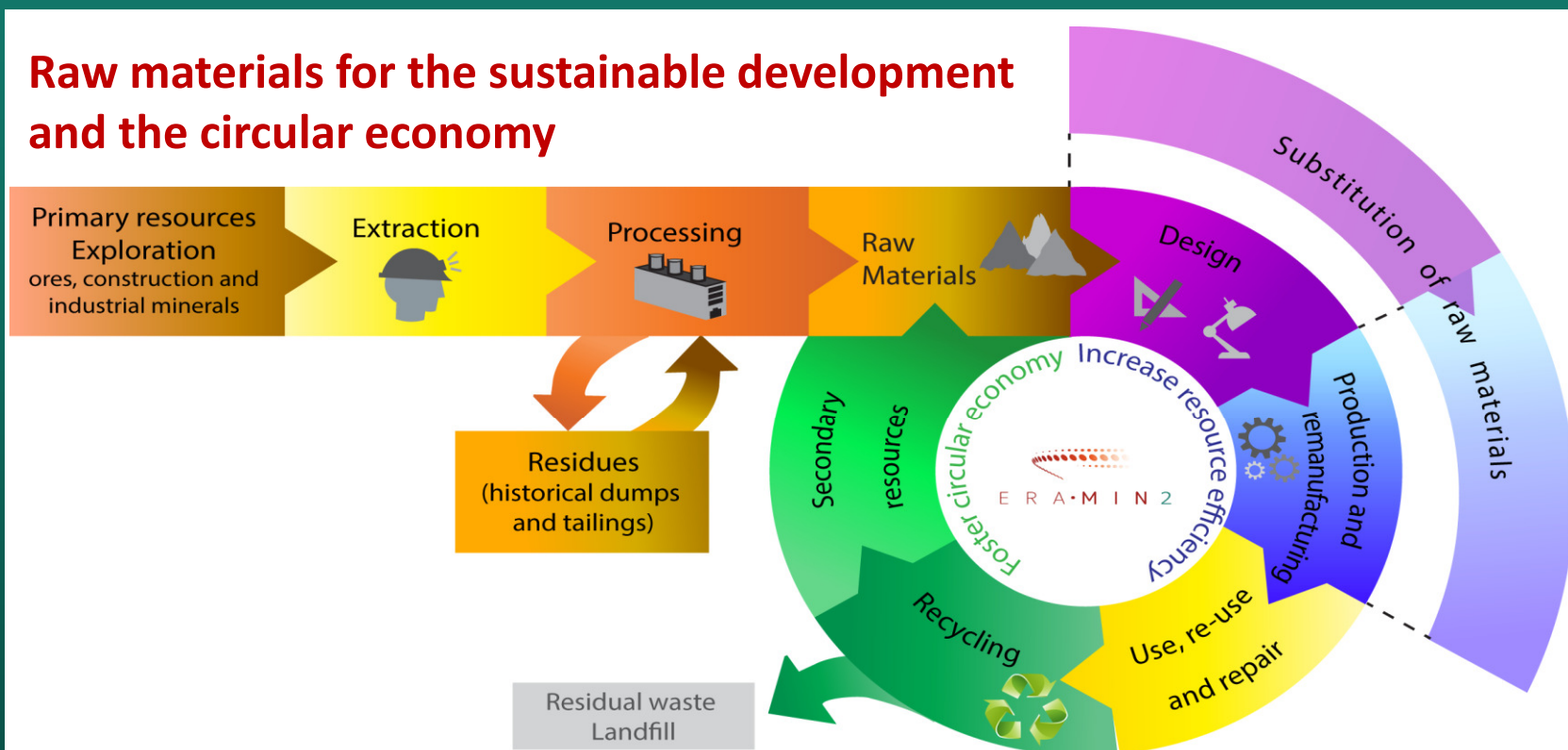
Additional Objectives/activities

- 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

supports **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.

Consortia of 2 to 11 partners from 2 to 8 countries (minimum-maximum)

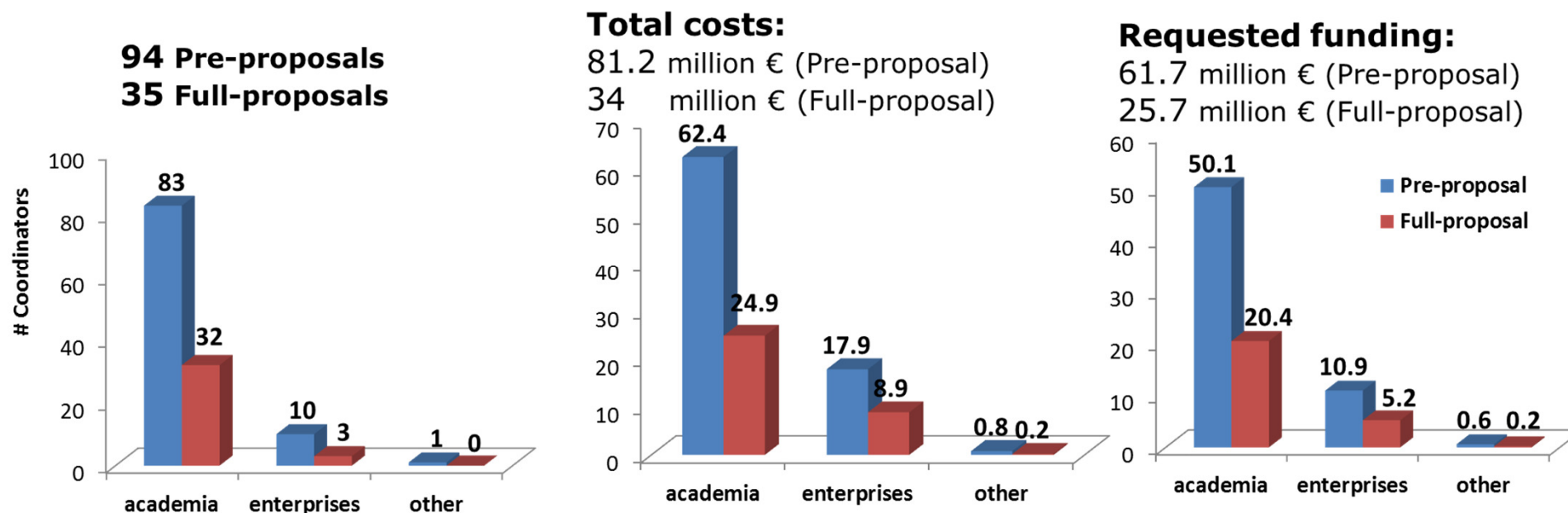
80% **academia-industry** partnerships (were particularly encouraged to apply)
Other types of consortia (e.g. purely industrial or academic) have also applied.

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

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

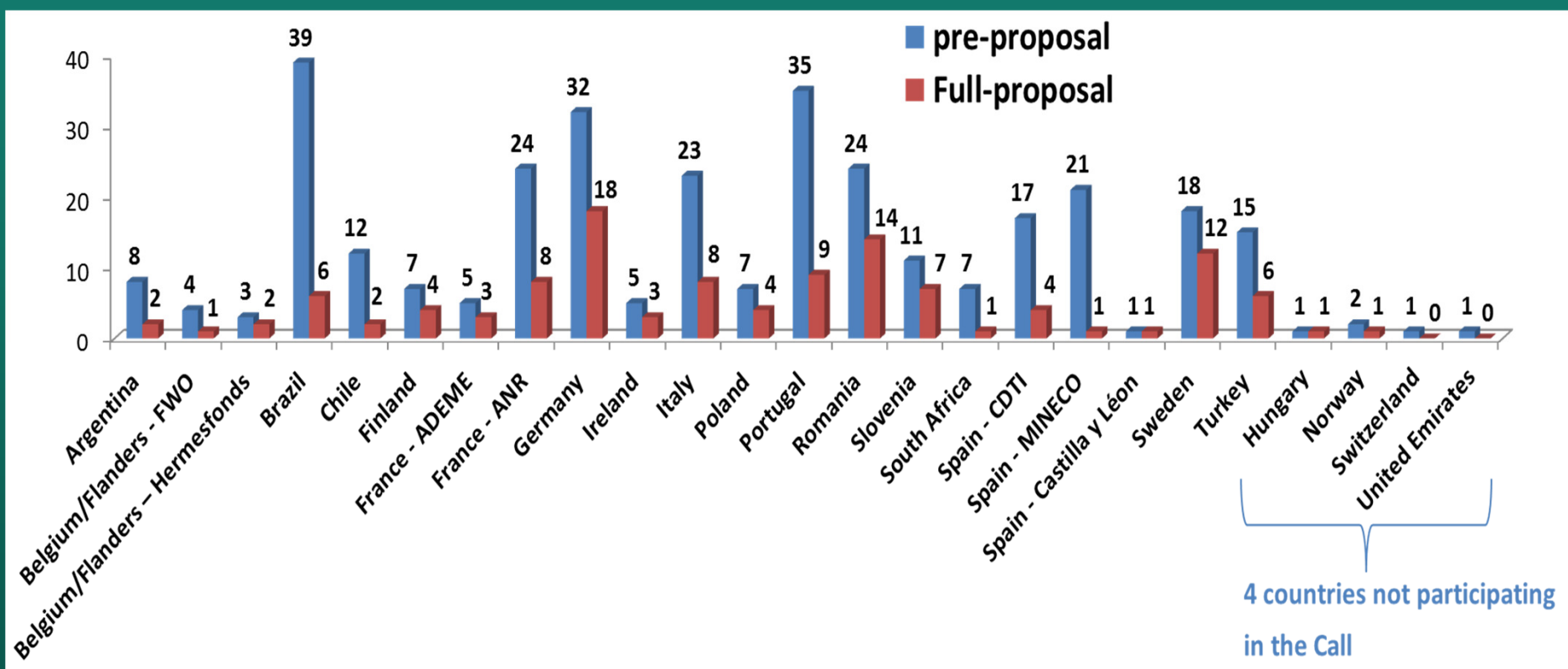
Project duration: between 18 and 36 months

ERA-MIN Joint Call 2017 – proposals submission

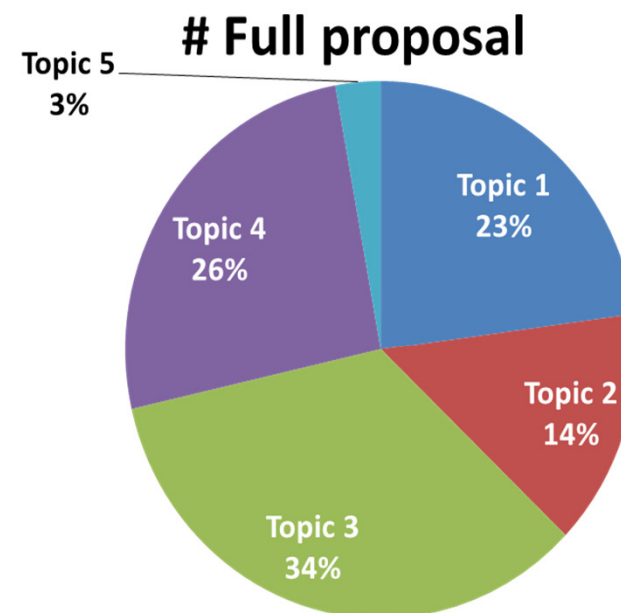
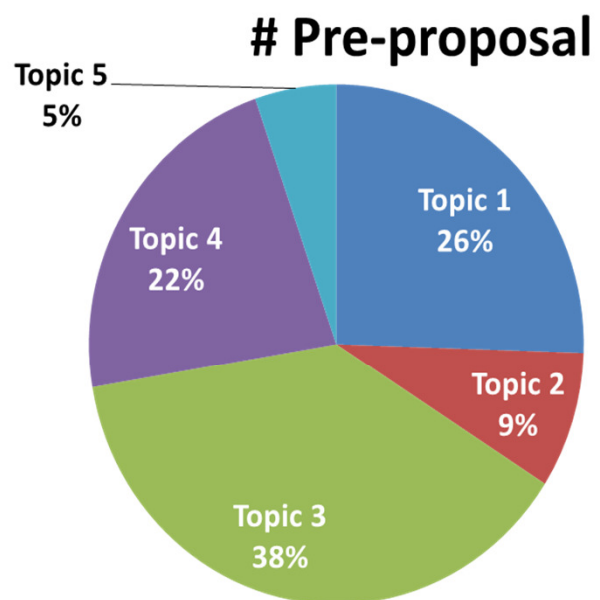


94 Pre-proposals involving **493** applicants (**27% enterprises**)
35 Full-proposals involving **186** applicants (**33 % enterprises**)

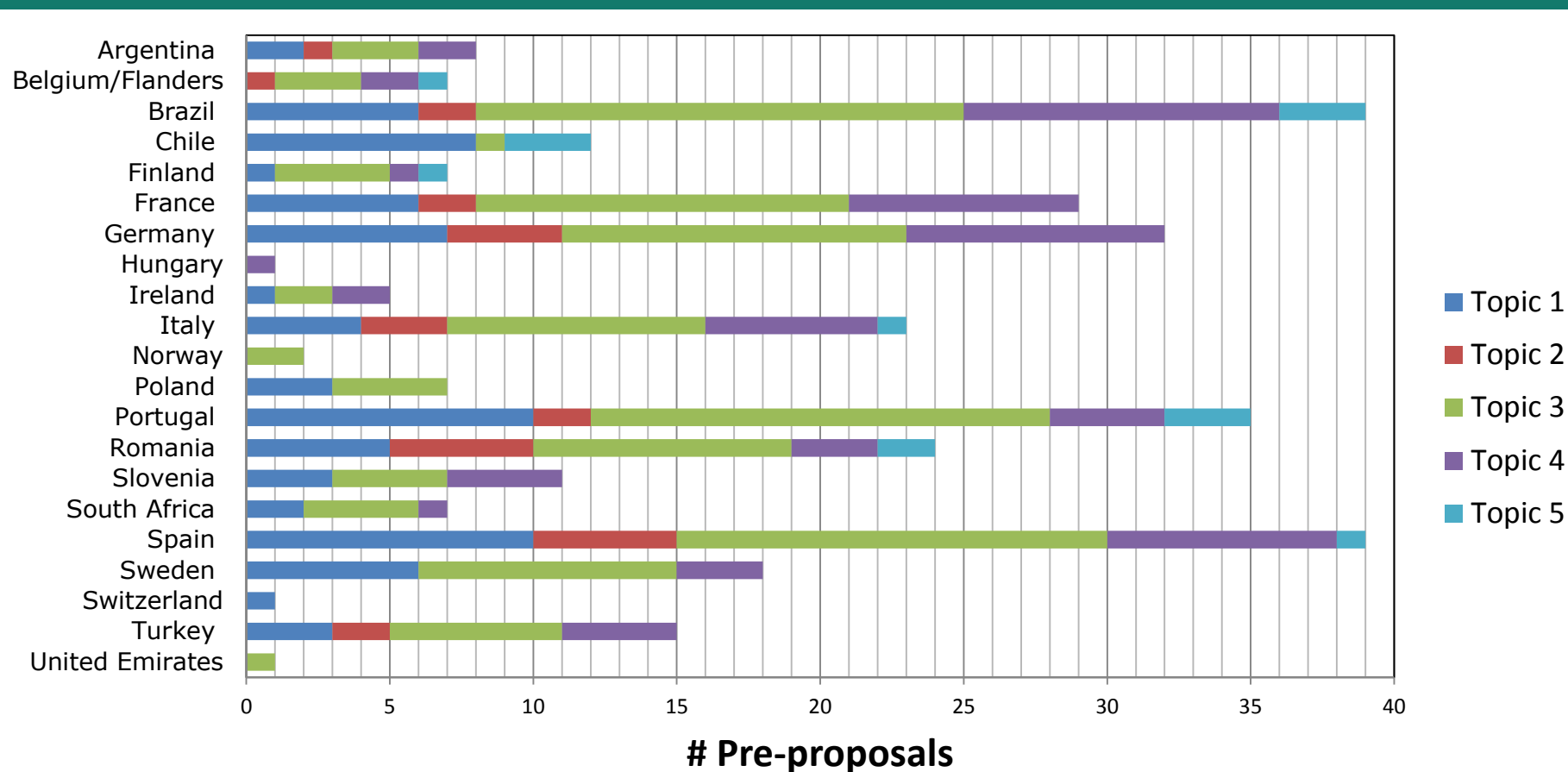
ERA-MIN Joint Call 2017 – proposals submission by country



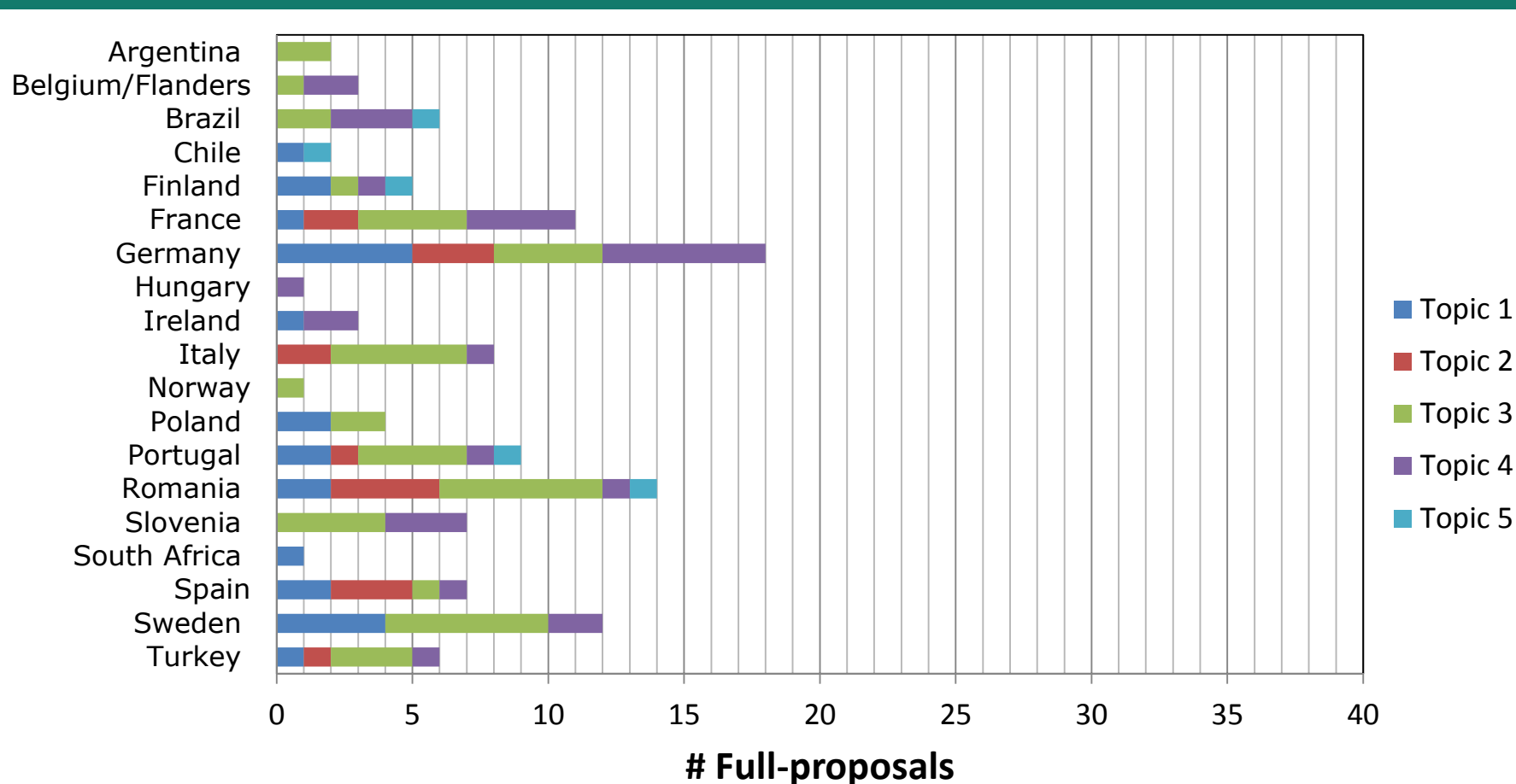
ERA-MIN Joint Call 2017 – proposals submission by call topic



ERA-MIN Joint Call 2017 – Call topics addressed in each country (pre-proposals)



ERA-MIN Joint Call 2017 – Call topics addressed in each country (full-proposals)



Future joint calls/activities

JUNE 2018

Launch of the second joint call for R&I international projects

DECEMBER 2019

Launch of the third joint call for R&I international projects

2017-2021

Organise joint workshops with the funded R&D projects and matchmaking events with other Ministries and funding agencies

HOW CAN YOU GET INVOLVED

As 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

As 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

Target EU countries: Austria, Bulgaria, Czech Republic, Denmark, Greece, Netherlands, Norway, Switzerland and United Kingdom

Target non-EU countries: Australia, Brazil-regions, Canada, Colombia, Japan, Mexico, Peru and USA

As a raw materials initiative, Horizon 2020 project, industrial association or international body

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

Thank you for your attention!



RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY



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

Follow us:

Website: www.era-min.eu

E-mail: eramin@fct.pt

LinkedIn



@eranetmin2

www.linkedin.com/in/era-min-joint-calls-102ba271