



RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY



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

ERA-MIN 2 Introduction

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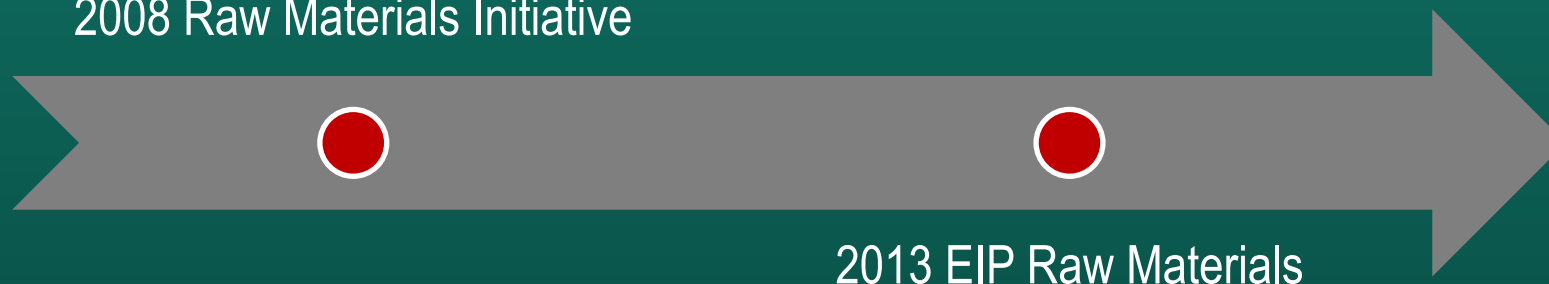
ERA-MIN 2 Final Conference, 18 - 19 November 2021, Online

- 1) Background - **FP7 ERA-MIN** (2011-2015)
- 2) Introduction – **H2020 ERA-MIN 2** (2016-2022)
 - a) ERA-MIN 2 consortium and objectives
 - b) Joint Transnational Calls /other joint activities
 - c) ERA-MIN 2 organisational structures
 - d) Ambition
 - e) Expected impacts and outcomes

ERA-MIN supports EU RM policies

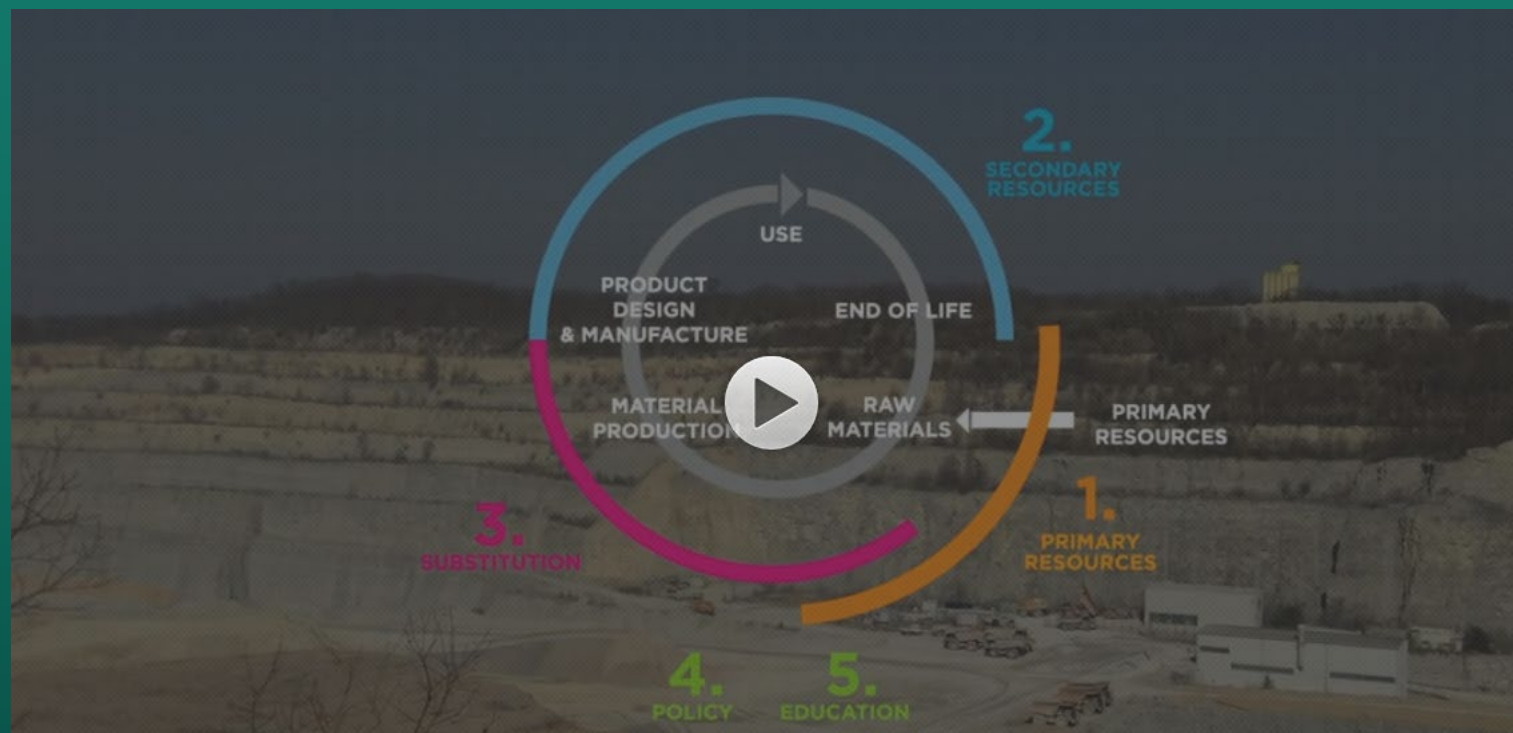


2008 Raw Materials Initiative



ERA-MIN Introduction video (2015)

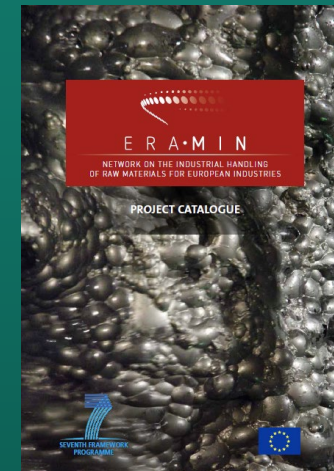
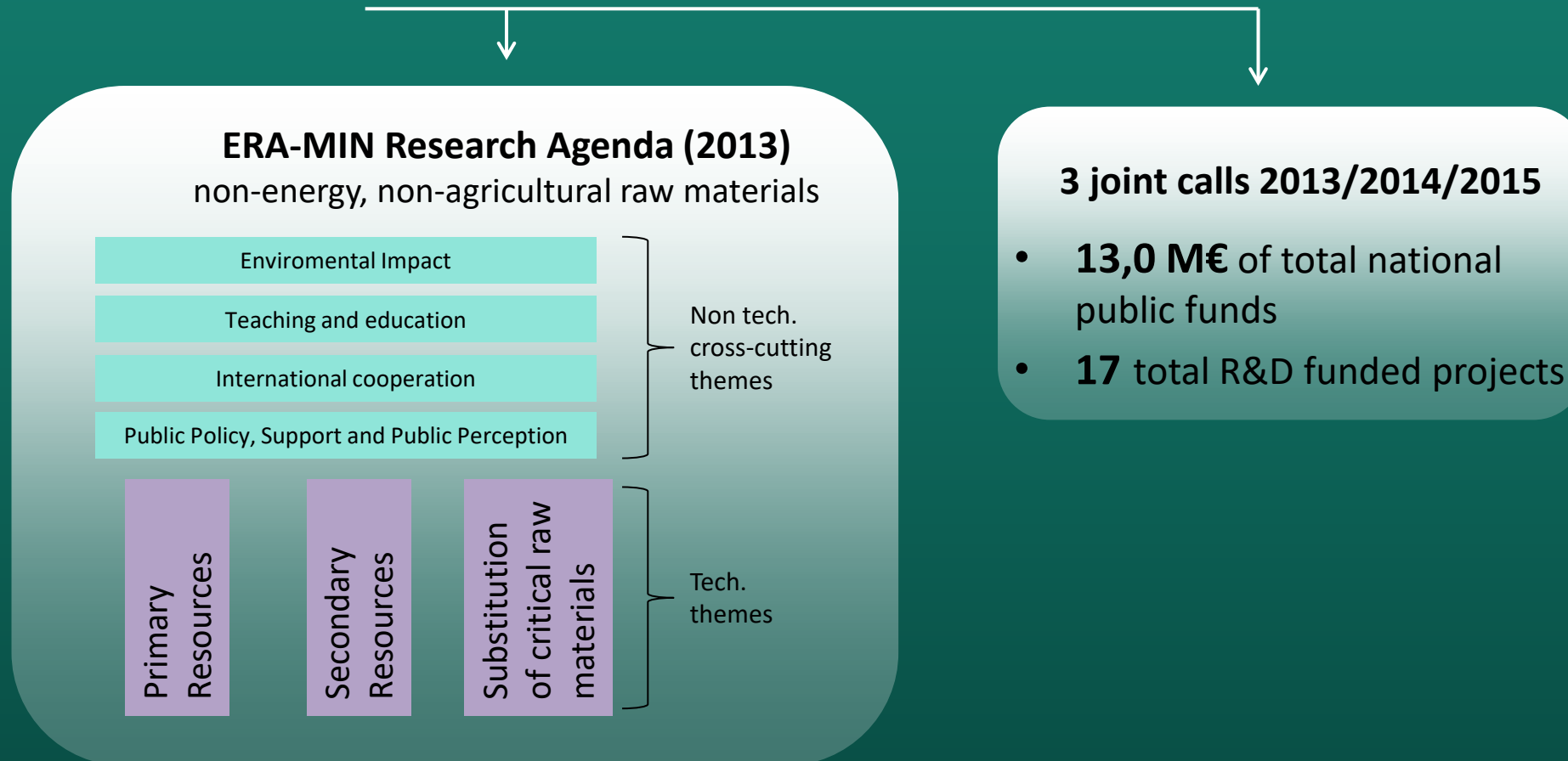
<https://www.era-min.eu/>



ERA-MIN - Industrial Handling of Raw Materials for European industries

15 partners + 6 associated partners

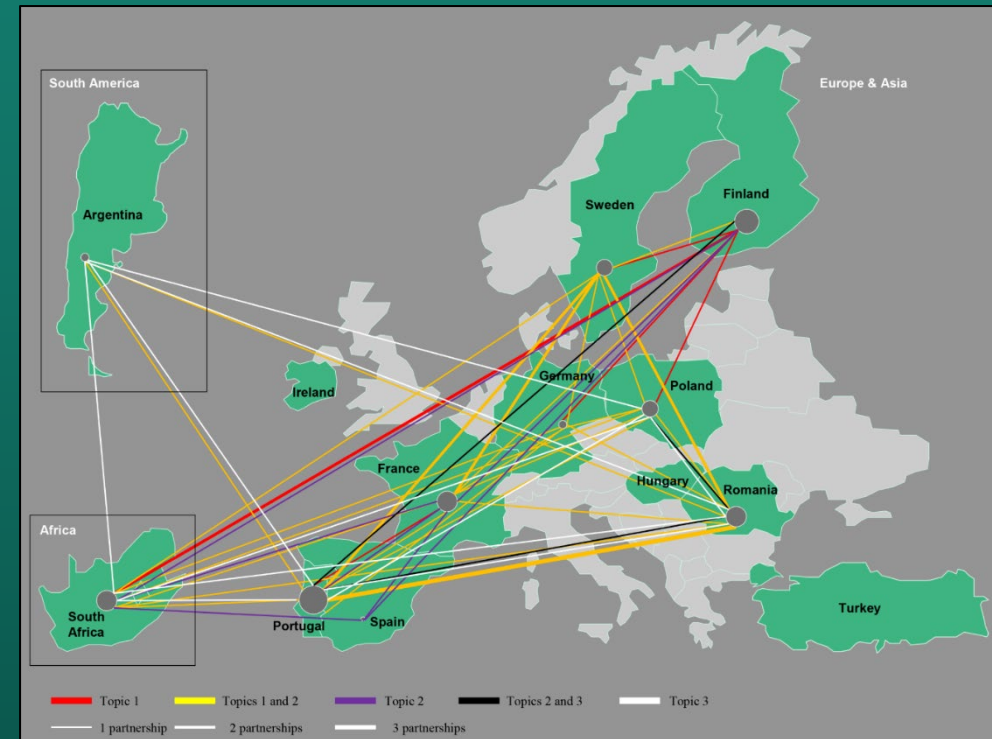
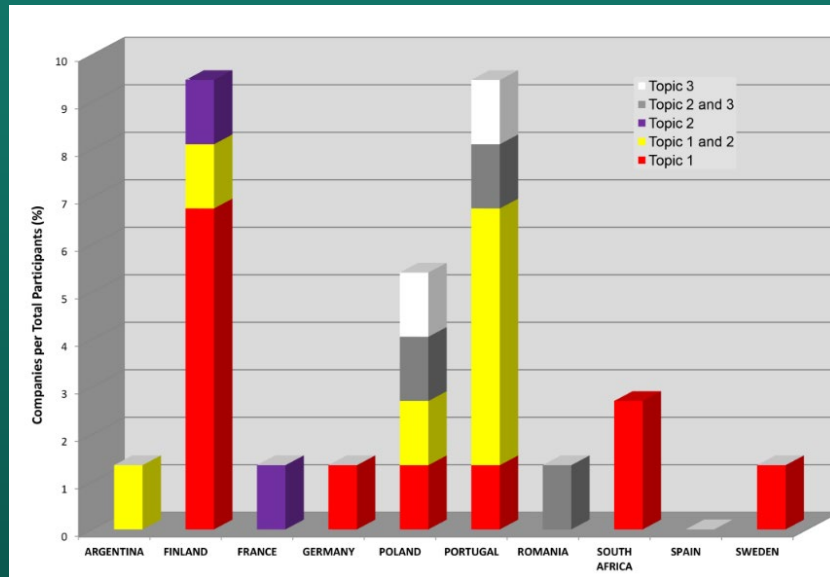
Main results:



FP7 ERA-MIN Joint calls 2014 & 2015

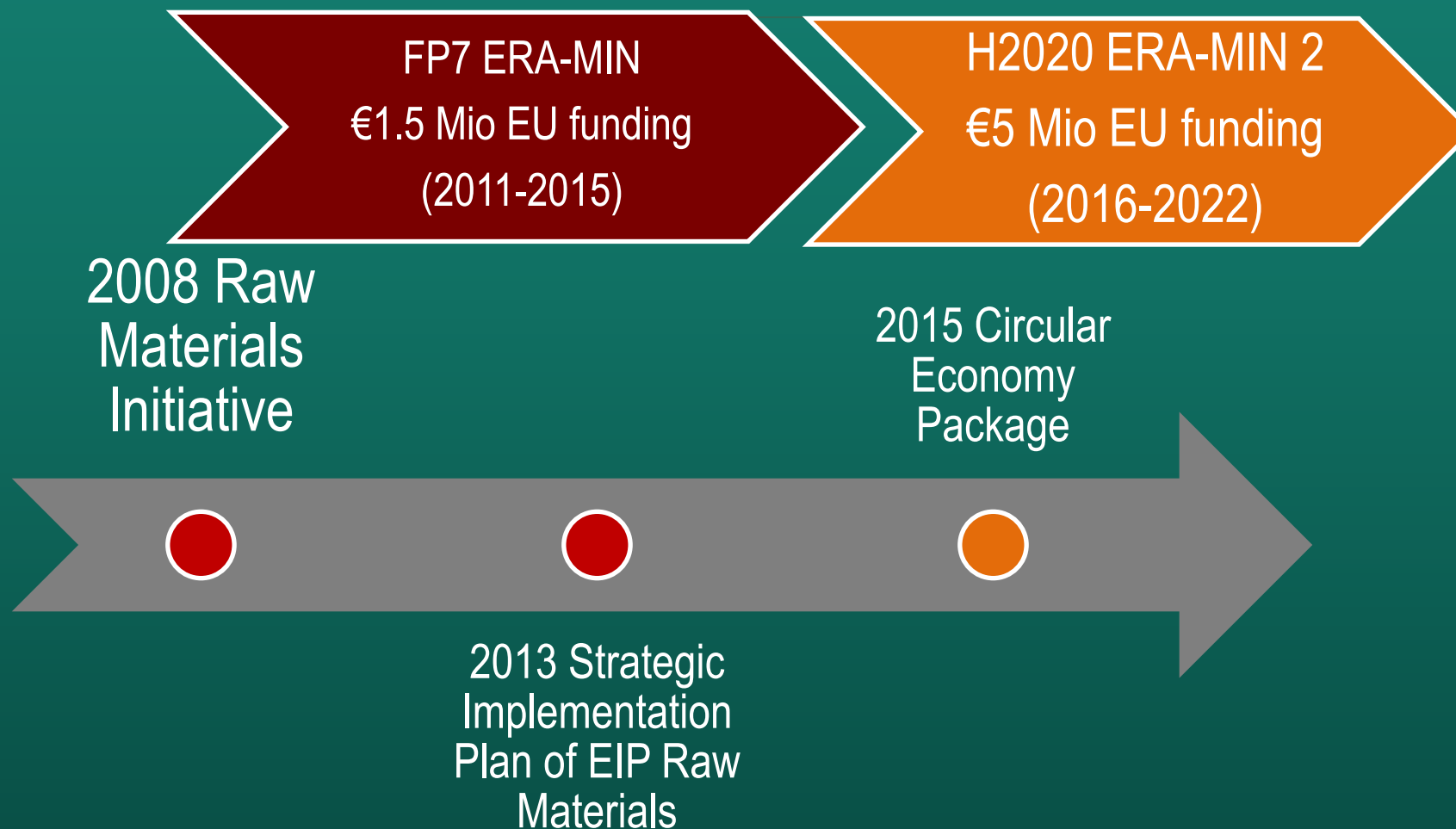
Partnerships in funded projects

Companies in funded projects



Source: Dina Carrilho (2016) "Stepping up the international cooperation for the sustainable supply of raw materials", *European Geologists*, 42: 33-36

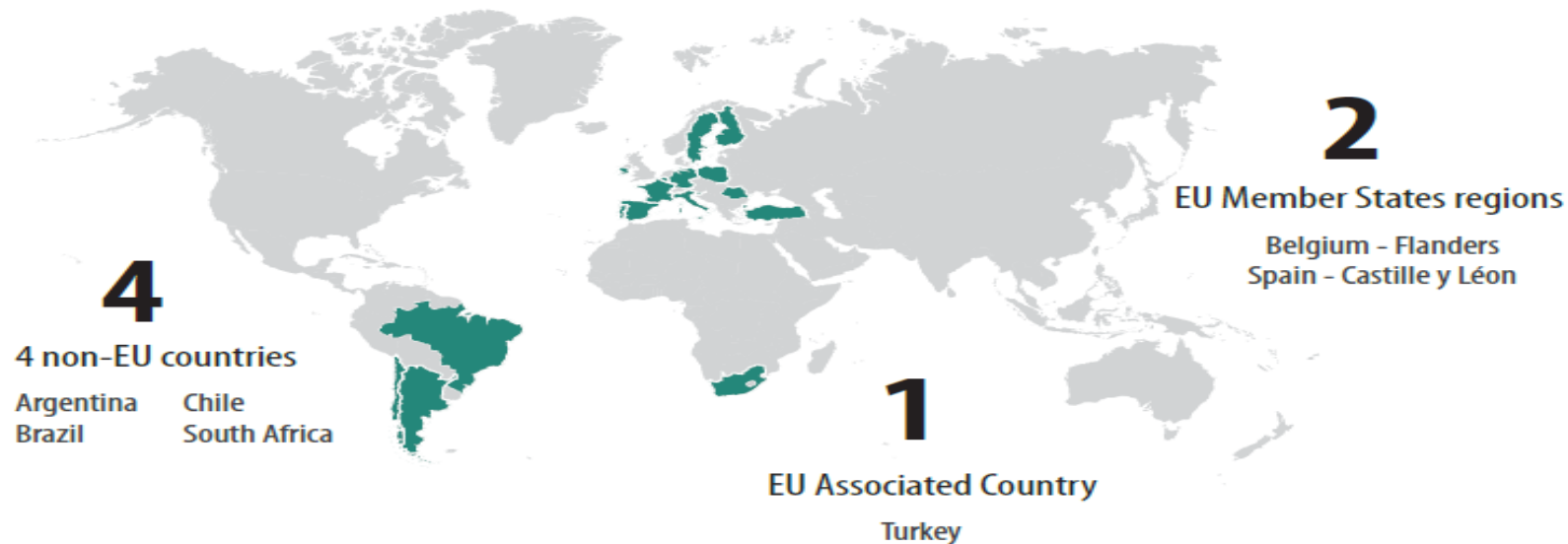
ERA-MIN 2 supports EU RM policies



Horizon 2020 ERA-MIN 2

CONSORTIUM

Pan-European network of
21 public research and innovation
funding organisations from:



Associated countries to Joint Calls:

3 EU MS countries
Czech Republic
Greece
Slovakia

3 EU MS regions
Brussels
Calabria
Wallonia

1 Non-EU countries
Québec province/Canada

- 
- **ERA-MIN 2** is a global, innovative and flexible network coordination of R&I Funding Programmes in **non-energy non-agricultural raw materials**
 - secure the **sustainable and responsible industrial supply of mineral raw materials** across Europe and globally

ERA-MIN 2 countries + Observer countries

- 
- Funds **demand driven research** transnational projects
 - Supports partnerships between academia, **industry and SMEs**
 - Provides access to **leading knowledge** and **new markets** across **Europe** and **world-wide**

ERA-MIN 2 countries + Observer countries

Objectives:

In support of the **EU integrated strategy “Raw Materials Initiative” (2008)**, the **European Innovation Partnership on Raw Materials (2012)** and the **Circular Economy Package (2015)**

1. Enhance and strengthen the synergies, coordination & **collaboration of EU and non-EU funding organisations**
2. Support and **promote R&I cooperation**
3. **Improve the efficiency and impact** of human and financial investment in R&I activities
4. **Reduce the fragmentation of R&I funding** across Europe and globally

Joint activities

EU co-funded Joint Call 2017 participated only with ERA-MIN 2 partners.

Centralised international evaluation of submitted proposals.

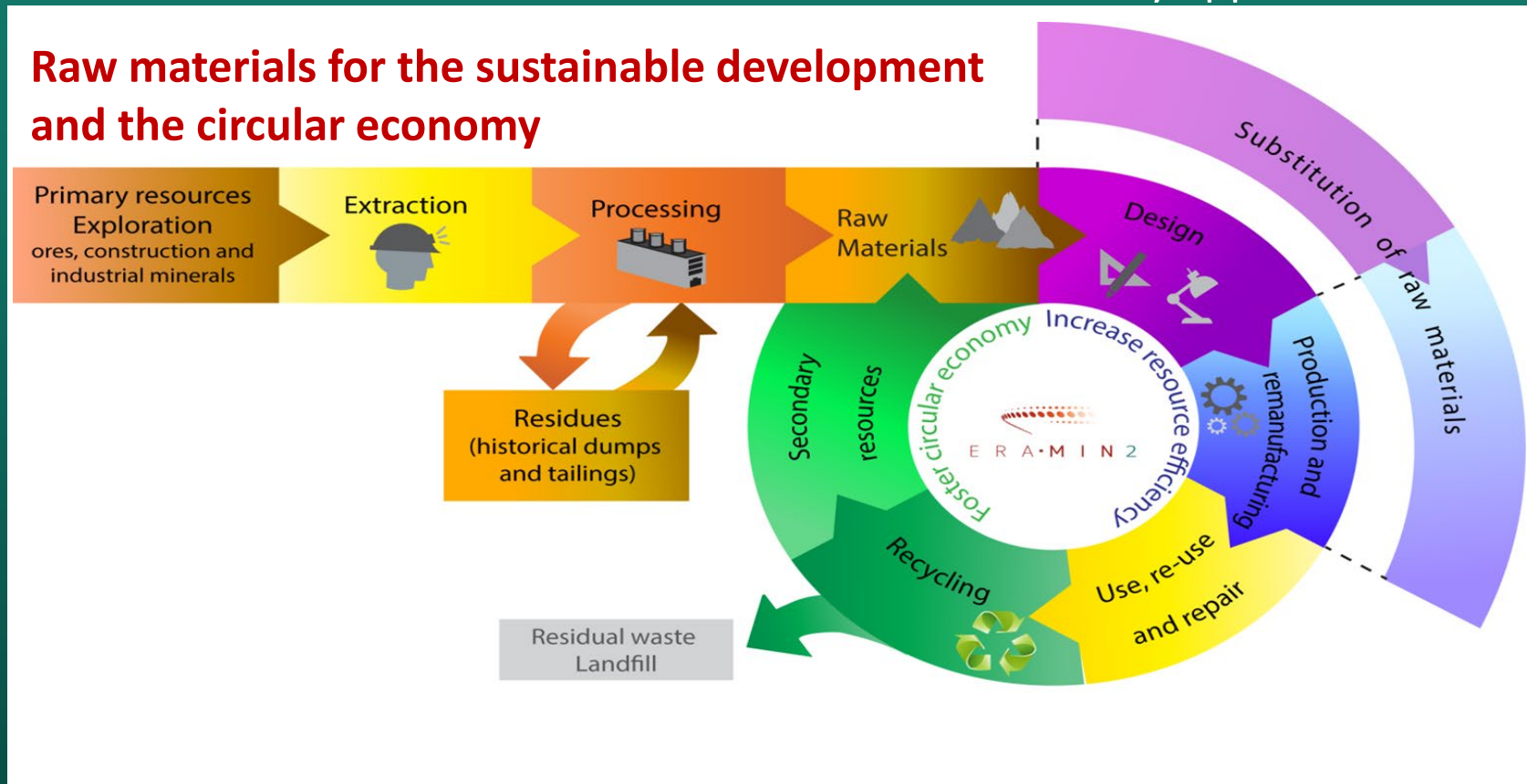
Additional Joint Call 2018 and 2019 for transnational proposals by pooling only national/regional funds, **without EU co-funding** OPEN to participation of non-ERA-MIN 2 funding organisations from other countries and regions

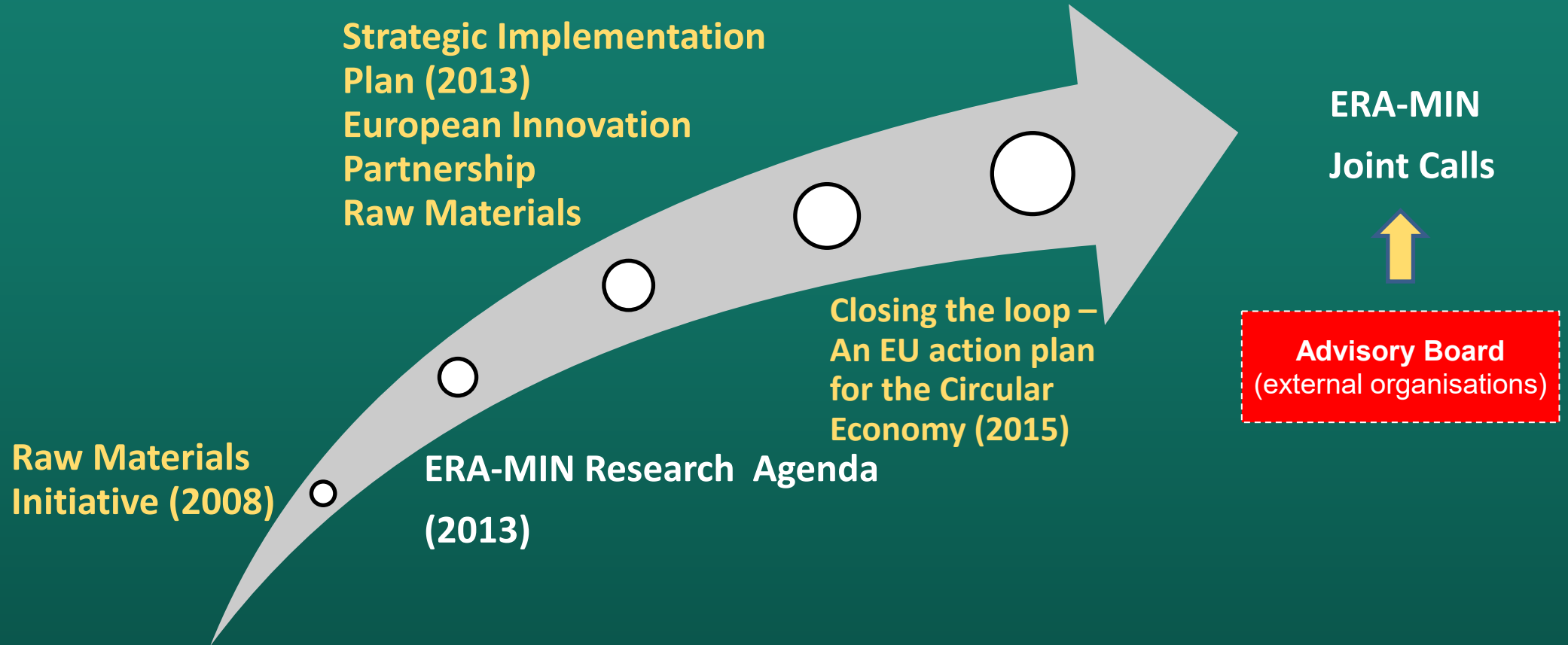
2016-2022

- **Follow-up of funded projects** (including ERA-MIN projects);
Organise mid-term and final Seminars;
- **Strengthening the EU and non- EU raw materials research community**
- **Mapping of research funding programmes** for mutual learning;
- Organise/participate in joint workshops, matchmaking events with other Ministries and funding agencies

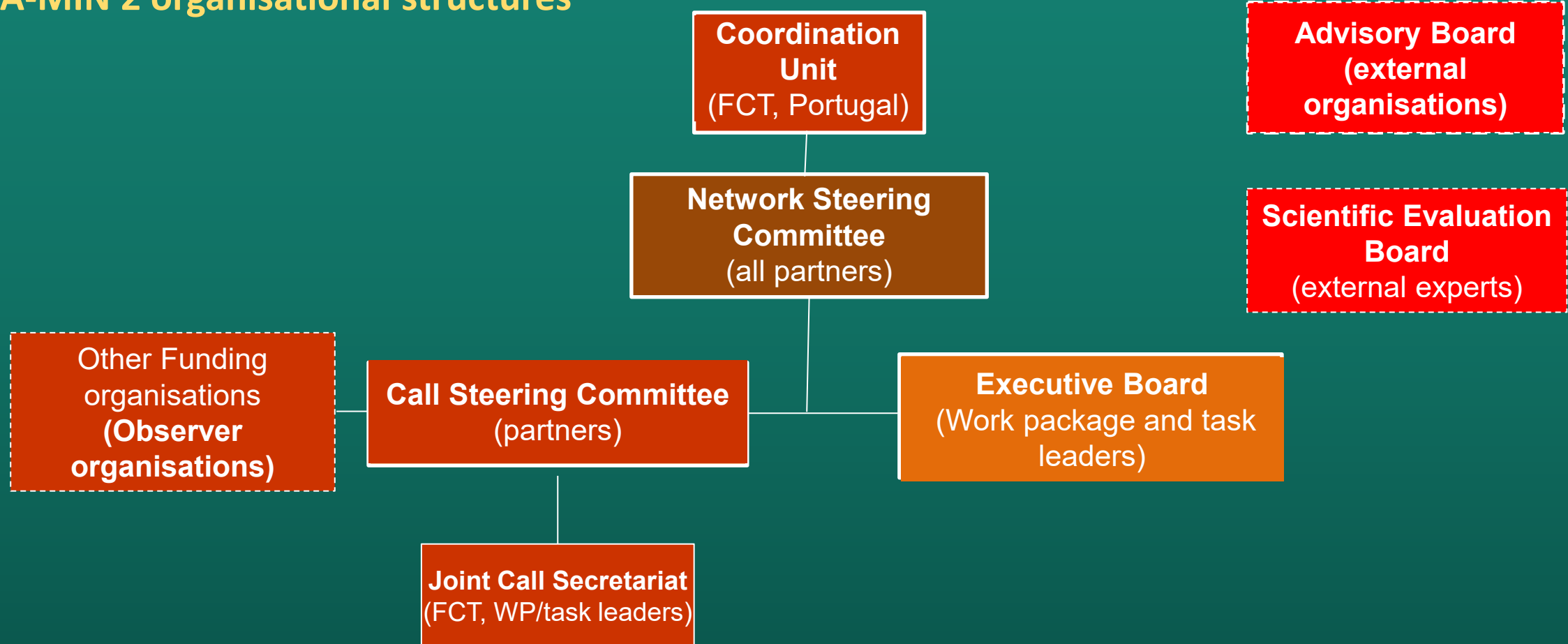
ERA-MIN Joint Calls

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.





ERA-MIN 2 organisational structures



Coordination Unit (CO)

Who? the network coordinator (FCT).

Role? contact person for the EC, the ERA-MIN 2 partners, and the external queries; follow very closely the progress of tasks and ensure the delivery date of deliverables.

Advisory Board (AB)

Who? representatives of the 10 relevant initiatives and projects with whom ERA-MIN 2 would like to establish a close cooperation

Role? mutual benefit for guidance on the research priorities of the joint calls to ensure that it reflects the EU industrial, political and societal needs.

Network Steering Committee (NSC)

Who? 21 ERA-MIN 2 partners who share equal rights and votes.

Role? is the decision-making body who keep all partners informed about the work progress.

Executive Board (EB)

Who? all WPs and task leaders who prepare documents, surveys, other supported by a group of 4-6 partners called task forces.

Role? Prepare the NSC meetings where the work progress of WP and tasks are presented.

Call Steering Committee (CSC)

Who? Composed only by the **funding organisations** contributing financially with national or regional funds to the Joint Call

Role? **Supervises** the whole Call procedure and **agrees on the final list of proposals recommended for funding.**

Scientific Evaluation Board (SEB)

Who? Composed of **independent international recognised scientific experts** appointed by the funding organisations

Role? **Peer-review the proposals submitted** to the Joint Call. SEB members will not submit or participate in proposals within this Call and must sign declarations of confidentiality and of conflict of interest.

Joint Call Secretariat (JCS)

Who? Composed by 2-5 representatives of the funding organisations

Role? Implements the submission, evaluation and selection procedures of the Joint Call and the follow-up phase until the funded projects and all reporting requirements have ended. Handles the communication with the applicants, the reviewers, the JCS and the beneficiaries of funded projects.

ERA-MIN 2 Ambition

Indicators	Start -2016	End - 2022
Nº EU Associated partners/Observer organisations	9	18
Nº non-EU Associated partners/Observer organisations	2	6
Nº joint calls	-	3
Nº funded projects	-	30
Allocated public funding (EUR million)	-	30

By 2022, 24 Associated partners/Observer organisations

Expected impacts

1. Achieving the objectives of the EIP on Raw Materials, particularly in the area of research and innovation co-ordination

2. Improved synergy, co-ordination and coherence between regional, national and EU funding in the relevant research fields through transnational collaboration, and where appropriate international collaboration

3. Reduced fragmentation of raw materials research and innovation efforts across Europe

4. Improved use of human and financial resources in the area of raw materials research and innovation

Strategic Implementation Plan Part II/

I. TECHNOLOGY PILLAR/

I.A Priority Area: **Raw materials research and innovation coordination/**

Action area n° I.1 **Improving R&D&I coordination in the EU/**
Action 2. **Coordination of Member States and EU initiatives:**

ERA-MIN 2 will support raw materials R&I through **joint collaborative projects**, knowledge transfer promotion as well as capacity building

ERA-MIN 2 will facilitate the **mutual learning** of funding programmes through joint activities in the field of raw materials achieving a **more efficient use of national/regional funds, time and personnel**

Expected outcomes

ERA-MIN 2 network

1. a public-public platform for knowledge sharing
2. ensure an optimised resource allocation,
3. a widespread dissemination,
4. facilitate a long-term collaboration between R&I programmes in the raw materials sector beyond Horizon 2020.

3 Joint Transnational Calls

1. an attractive tool to internationalise the national/regional R&I community in the raw materials sector across Europe and globally

2. complement other EU funding instruments (Horizon 2020; EIT RawMaterials).

3. Constitute a **Raw Materials R&I programme**, monitor and facilitate the uptake of R&I results by end-users and/or society

