ERA·MIN2

RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

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

Ms. Nicoleta Dumitrache - *Monitoring and assessment of funded projects from the co-funded and additional calls*

uefiscdi

Final Conference and Final review of Call 2017 projects, 18-19 November 2021

ERA·MIN 2

RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

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

ERA-MIN 2 Calls
&
40 funded Projects
&
€29 million public funding

8 Battery related projects
(€6 million) ERA-MIN Calls
(2015, 2017, 2018, 2019)

3 Joint Calls of ERA-MIN 2

ERA-NET	H2020 ERA-MIN 2 (2016-2022)		
Joint Calls	2017 (EU co-	2018	2019
Submitted proposals /applicants /enterprises	94 pre-proposals 493 applicants 27 % enterprises	51 full-proposals 280 applicants 22% enterprises	38 full-proposals 203 applicants 28% enterprises
Funded projects	16	12	12
Private sector	39% (34)	28% (17)	37% (26)
Public funding	€12.3 Mio	€8.8 Mio	€8.5 Mio
Total project costs	€16 Mio	€12.7 Mio	€12.4 Mio

RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

ERA·MIN2

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

ERA-MIN 2 Joint Calls

All thematic areas were covered
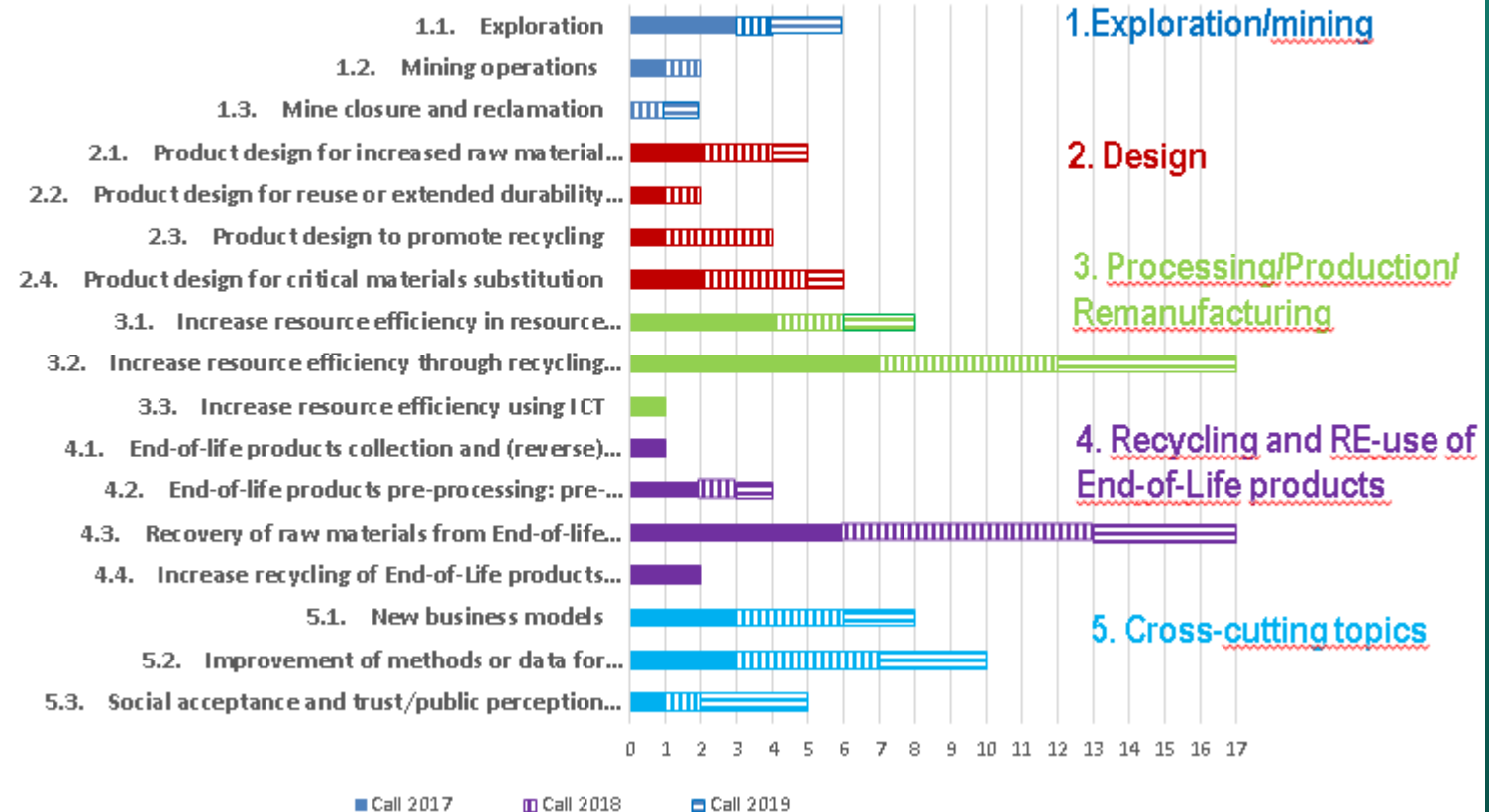
Most addressed sub-topics

3.2. Increase resource efficiency through recycling of residues or remanufacturing of used products and components

4.3. Recovery of raw materials from End-of-life products

Sub-topics addressed by funded projects

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

1.Exploration/mining

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

2. Design

- 3.1. Increase resource efficiency in resource...
- 3.2. Increase resource efficiency through recycling...
- 3.3. Increase resource efficiency using ICT

3. Processing/Production/Remanufacturing

- 4.1. End-of-life products collection and (reverse)...
- 4.2. End-of-life products pre-processing: pre-...
- 4.3. Recovery of raw materials from End-of-life...
- 4.4. Increase recycling of End-of-Life products...

4. Recycling and RE-use of End-of-Life products

- 5.1. New business models
- 5.2. Improvement of methods or data for...
- 5.3. Social acceptance and trust/public perception...

5. Cross-cutting topics

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

■ Call 2017   ▥ Call 2018   ▢ Call 2019

Summary

	ERA-MIN Call 2017
Submitted proposals	**94** Pre-proposals **35** Full-proposals
Pre-proposals **Full-proposals**	**493** Applicants /**27% Enterprises** **186** Applicants/**33 % Enterprises**
Funded projects (success rate)	**16** (17%) **88** Applicants/**38.6 % Enterprises**
Allocated funding	**12.3 million €**
Projects Start-end date	May 2018 – April 2021

ERA-MIN Joint Call 2017 – proposals submission by country
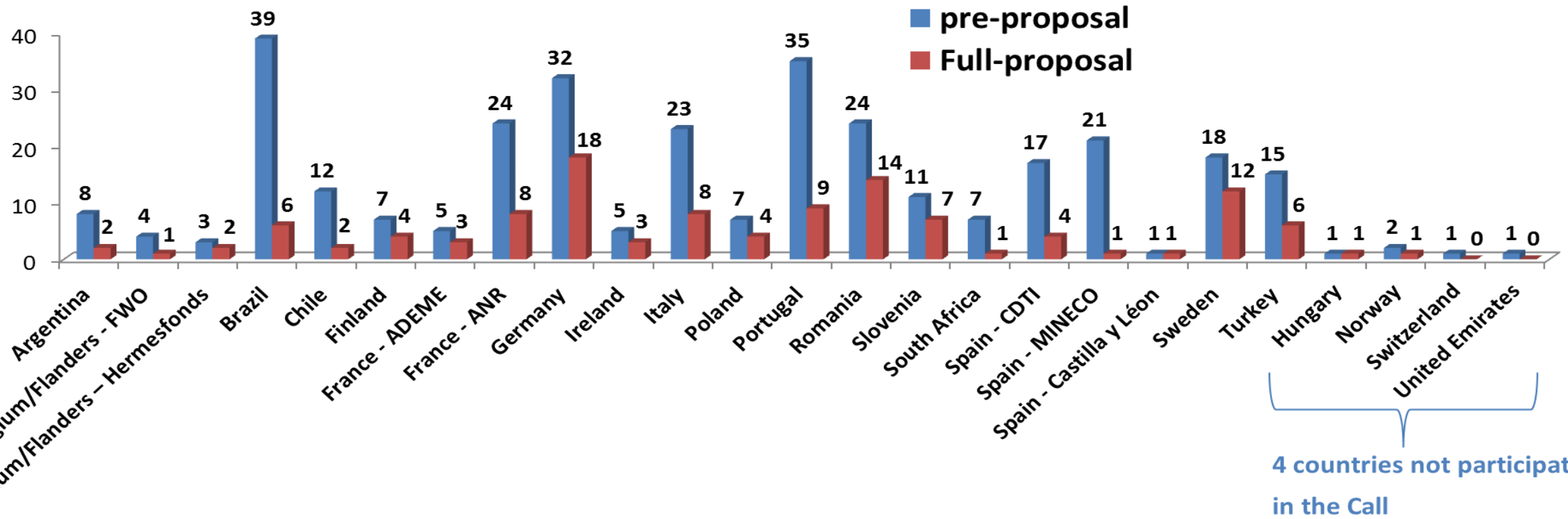
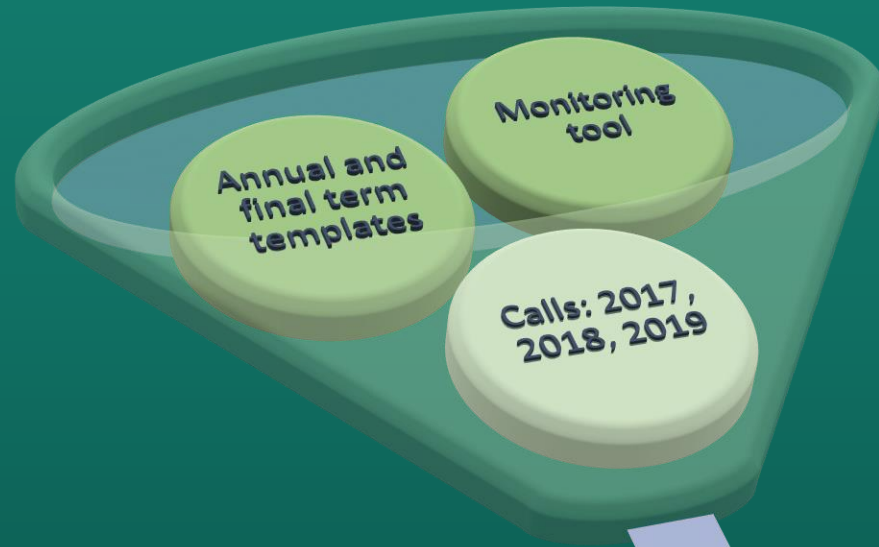Partnerships established between partners of the 16 funded projects

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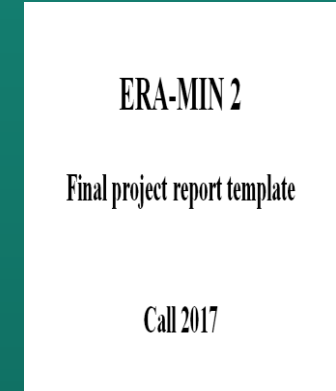of 11 EU countries, 1 EU region, 1 EU Associated Country and 3 non-EU countries

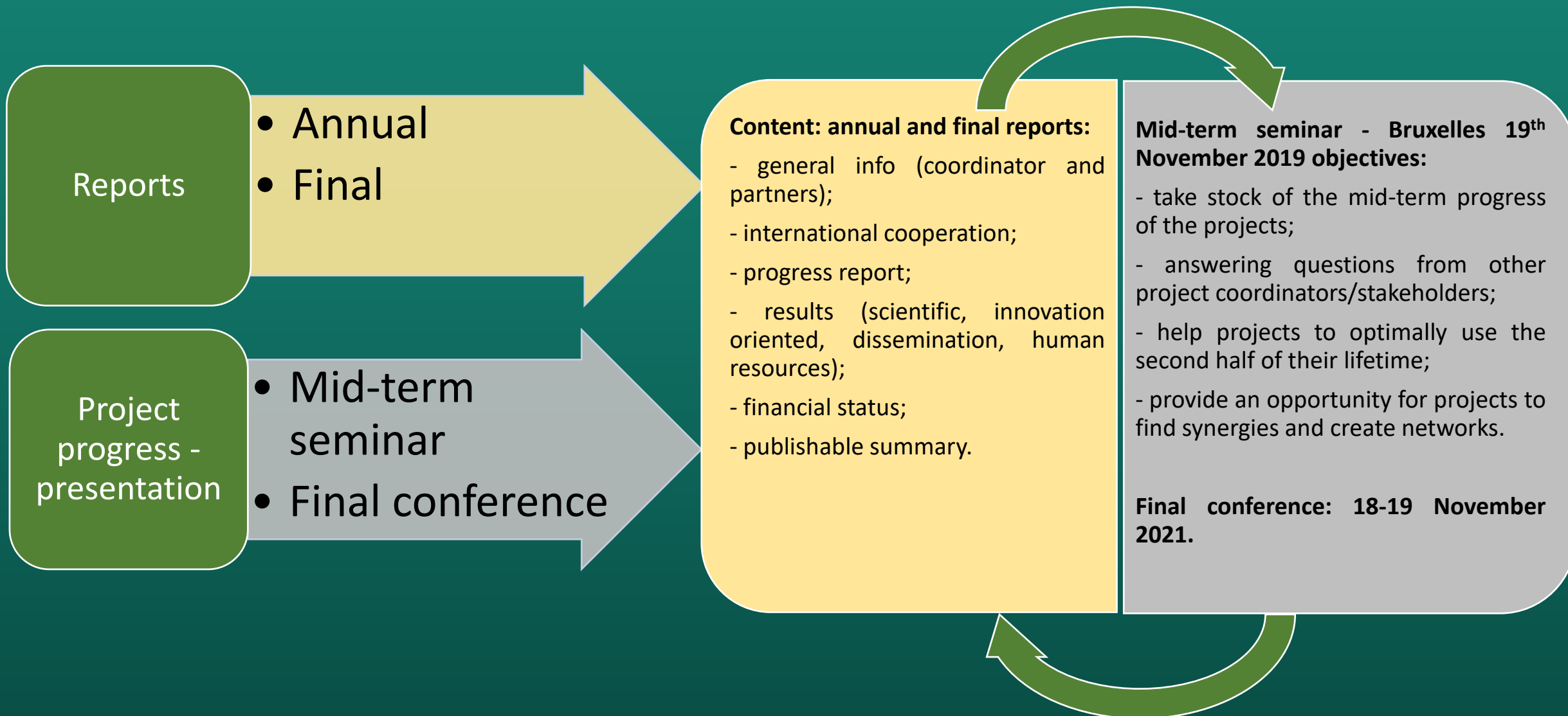ERA-MIN Joint Call 2017 – thematic areas addressed by funded projects
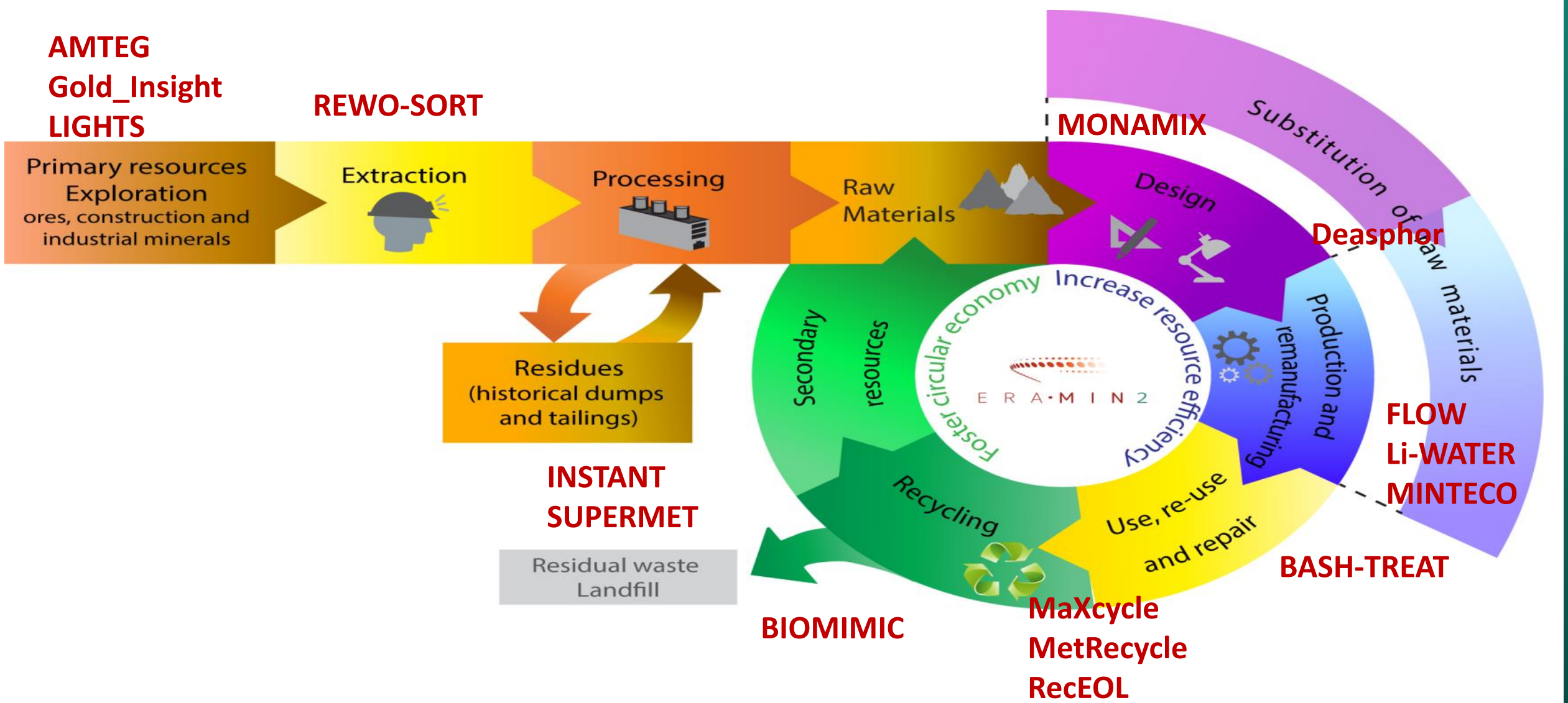
RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

ERA·MIN 2

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

Reports

- Annual
- Final

Project progress - presentation

- Mid-term seminar
- Final conference

Content: annual and final reports:

- general info (coordinator and partners);

- international cooperation;

- progress report;

- results (scientific, innovation oriented, dissemination, human resources);

- financial status;

- publishable summary.

Mid-term seminar - Bruxelles 19th November 2019 objectives:

- take stock of the mid-term progress of the projects;

- answering questions from other project coordinators/stakeholders;

- help projects to optimally use the second half of their lifetime;

- provide an opportunity for projects to find synergies and create networks.

Final conference: 18-19 November 2021.

Annual assessments

RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

ERA·MIN 2

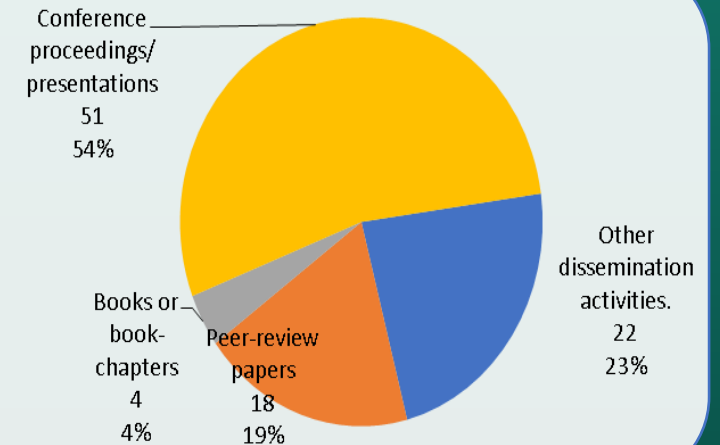Co-funded by the Horizon 2020 programme
of the European Union

1st Annual Report

- 7 projects declared **fully achievement** the objectives, 9 with only **minor deviations.**
- 5 peer reviewed publications
- 2 books or book chapters
- 25 conferences/proceedings/presentations
- 27 other outputs (poster presented in conferences, info-days, master thesis etc.)
- 31% of staff are young researchers
- 5 permanent and 48 temporary jobs
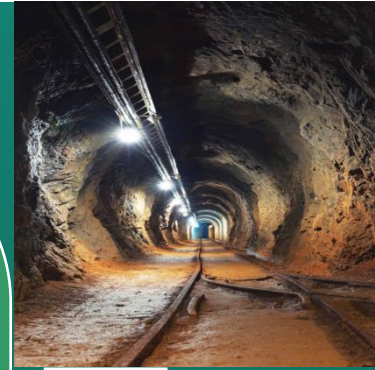- 3 patents, 1 licence were submitted for approval.

Peer review papers 5 9%

Books or books chapter 2 3%

Other 27 46%

Conferences/proceedings/presentations 25 42%
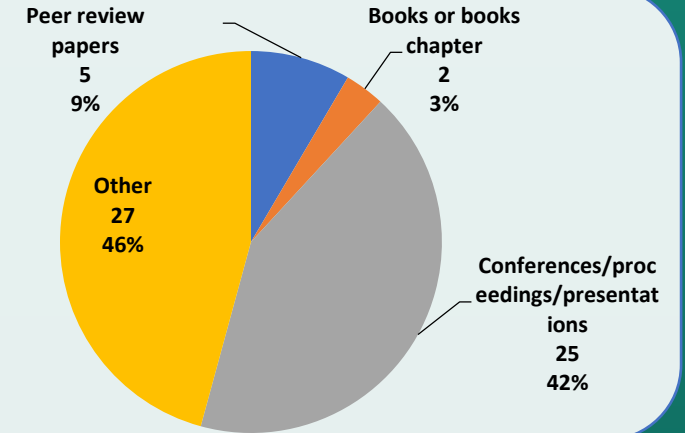
2nd Annual report

- projects reported **deviations due to Covid** (they will be on track after extensions)
- 18 peer-review papers were reported
- 4 books or book-chapters
- 51 conference proceedings/presentations
- 22 other outputs
- 25% of staff are young researchers
- 9 permanent and 34 temporary jobs created
- 4 patents submitted for approval and 1 in preparation.

Conference proceedings/ presentations 51 54%

Other dissemination activities. 22 23%

Books or book-chapters 4 4%

Peer-review papers 18 19%

RESEARCH & INNOVATION PROGRAMME
ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

Mid-term seminar - Bruxelles 19th November 2019

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

Raw Materials Week
18–22 November 2019

Objectives:

The project coordinator, or a representative, of each funded project presented **the status of the project and its results to** the Call Steering Committee (CSC), the coordinators of the other funded projects and to invited stakeholders.

Excellent opportunity:

- for synergies and networking between the projects;

- exchange of information with the funding agencies.

Projects appear to be well set up for success, considering that:

- good record of publications & communications;

- several new methods, processes and products developed;

- patents approved/submitted for approval;

- the majority has a dissemination plan/ a dedicated website;

- synergies between MetRecycle and MaXycle;

- both projects MetRecycle and FLOW are contribuing for the Strategic Research and Innovation Partnership – Networks for the transition into circular economy (SRIP – Circular economy) in Slovenia.

Results:

ERA-MIN Joint Calls results
(https://www.era-min.eu/results)

- **17 Summary final reports**
ERA-MIN Joint Calls: 2013, 2014 and 2015

- **16 projects: 1ˢᵗ and 2ⁿᵈ year progress report** (Call 2017)

- **40 Project´s abstracts**
ERA-MIN Joint Calls: 2017, 2018 and 2019

Results of projects funded under calls 2013, 2014 and 2015

- 2013 - ERA-MIN Joint Call 2013 Results: Summary Reports
- 2014 - ERA-MIN Joint Call 2014 Results: Summary Reports
- 2015 - ERA-MIN Joint Call 2015 Results: Summary Reports

Call 2017

ERA-MIN Joint Call 2017 on Raw materials for sustainable development and the circular economy, launched on 1st February 2017, was focused on needs-driven research on non-energy, non-agricultural raw materials addressing one or several areas of the circular economy. 16 top-ranked proposals are recommended for funding by the Call Steering Committee (CSC), requesting a total of 12.3 million € of public funds and with total costs of 16 million €. The list of funded projects under this call and the project catalogue are available at:

- 2017 – ERA-MIN Joint Call on Raw Materials for Sustainable Development and the Circular Economy
- ERA-MIN Joint Call 2017 - Catalogue of projects
- ERA-MIN Joint Call 2017: Publishable Summaries - First Year Project Reports
- ERA-MIN Joint Call 2017: Publishable Summaries - Second Year Project Reports

- ERA-MIN Joint Call 2019 - List of funded projects
- ERA-MIN Joint Call 2019 - Abstracts of funded projects
- ERA-MIN Joint Call 2019 - Statistics

- ERA-MIN Joint Call 2018 - List of funded projects, call statistics and publishable abstracts