



ASSESSING THE IMPACT PATHWAYS OF IA/RIA SC5 PROJECTS THROUGH THE USE OF PORTFOLIO ANALYSIS

Policy Co-Creation Workshop on “Fighting and Adapting to Climate Change” related projects of Societal Challenge 5

**Impact Pathways Approach and Results:
Raw Materials Portfolio**

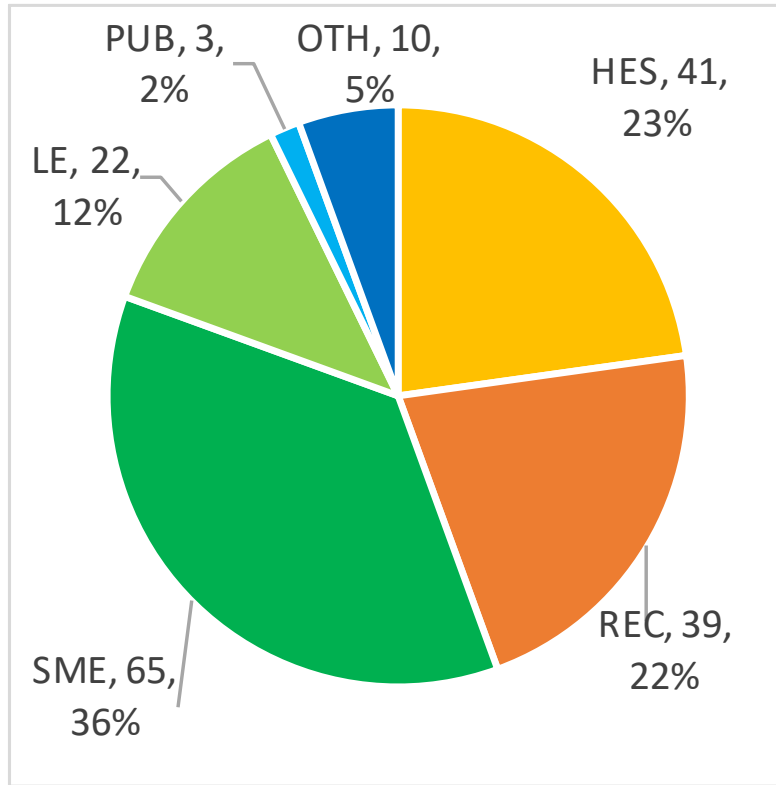
Workshop
29th of April 2021



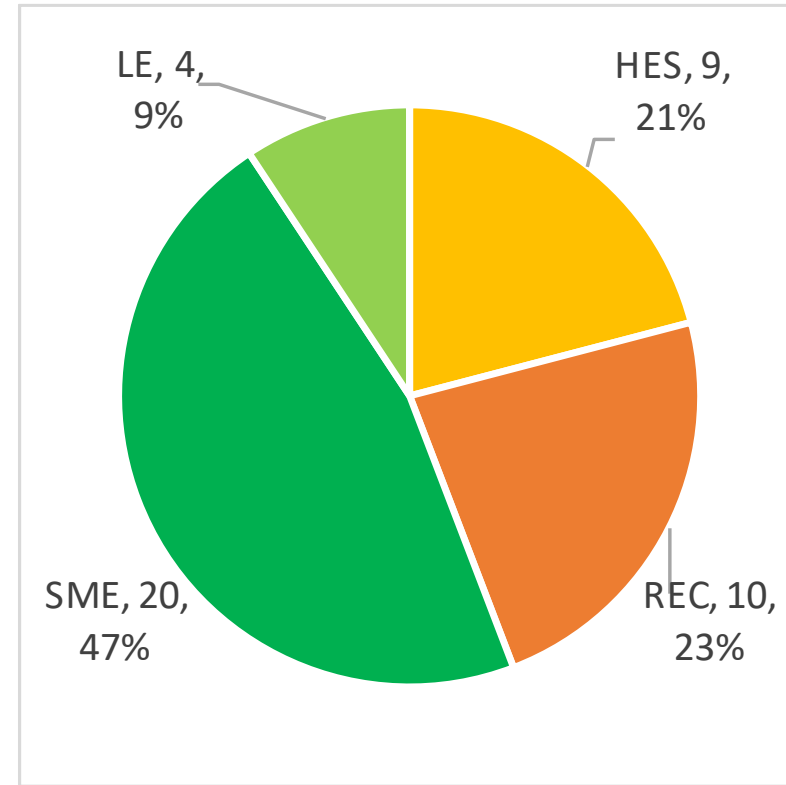


Raw Materials portfolio SC5 2014-15

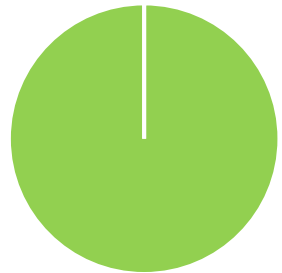
Project clusters under Raw Materials portfolio	Call topics	Number of projects	EC Contribution (€)
Cluster 3.1: Sustainable production of raw materials	SC5-11a-2014, SC5-11b-2014, SC5-11c-2015, SC5-11d-2015, SC5-11e-2015	12	85,694,642 €
Cluster 3.2: Sustainable substitution of raw materials	SC5-12a-2014, SC5-12b-2015	4	18,677,201 €



Cluster 3.1



Cluster 3.2

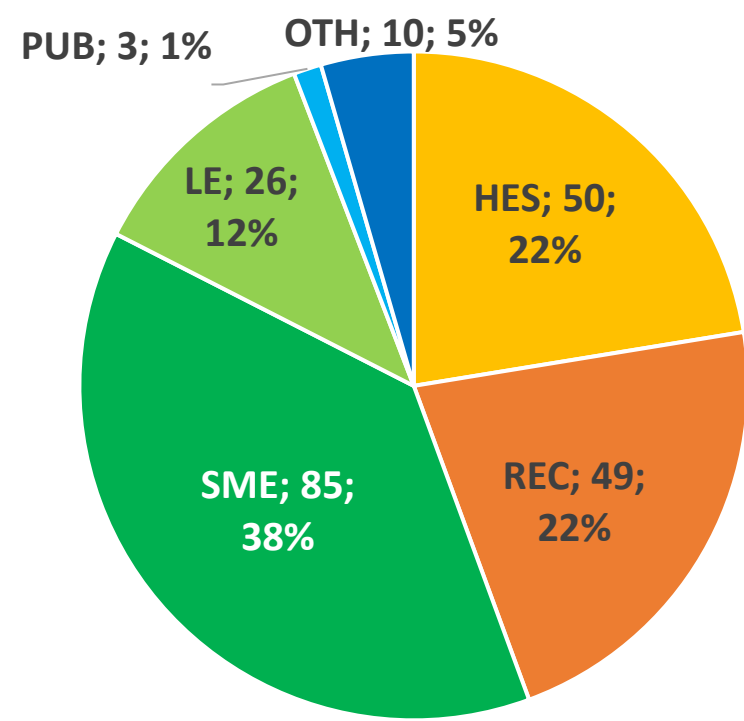
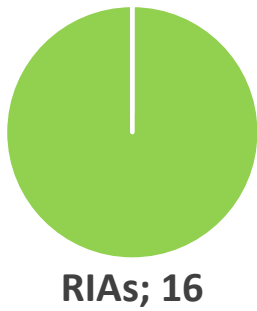


RIAs, 12

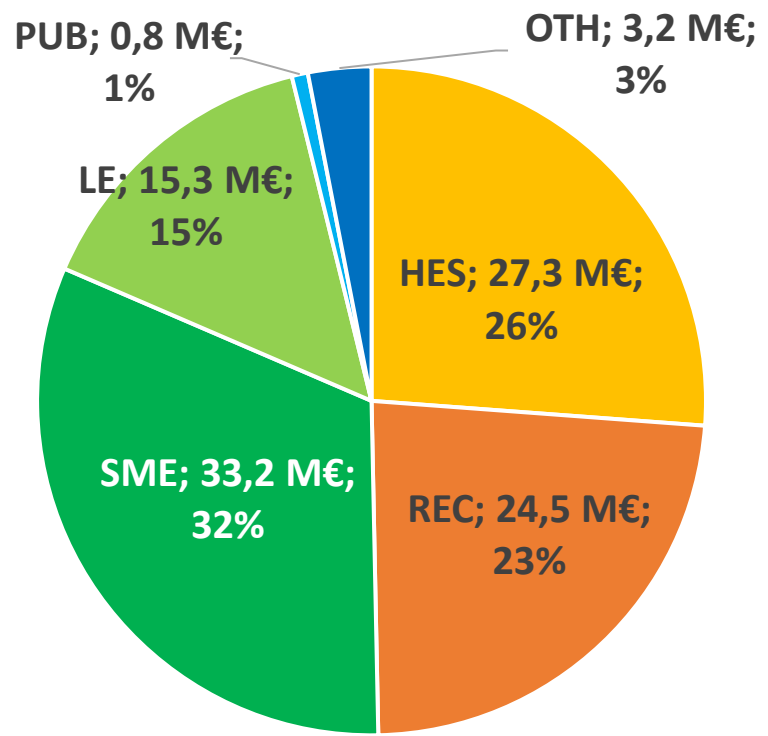


RIAs, 4

Raw Materials portfolio: overview of whole portfolio



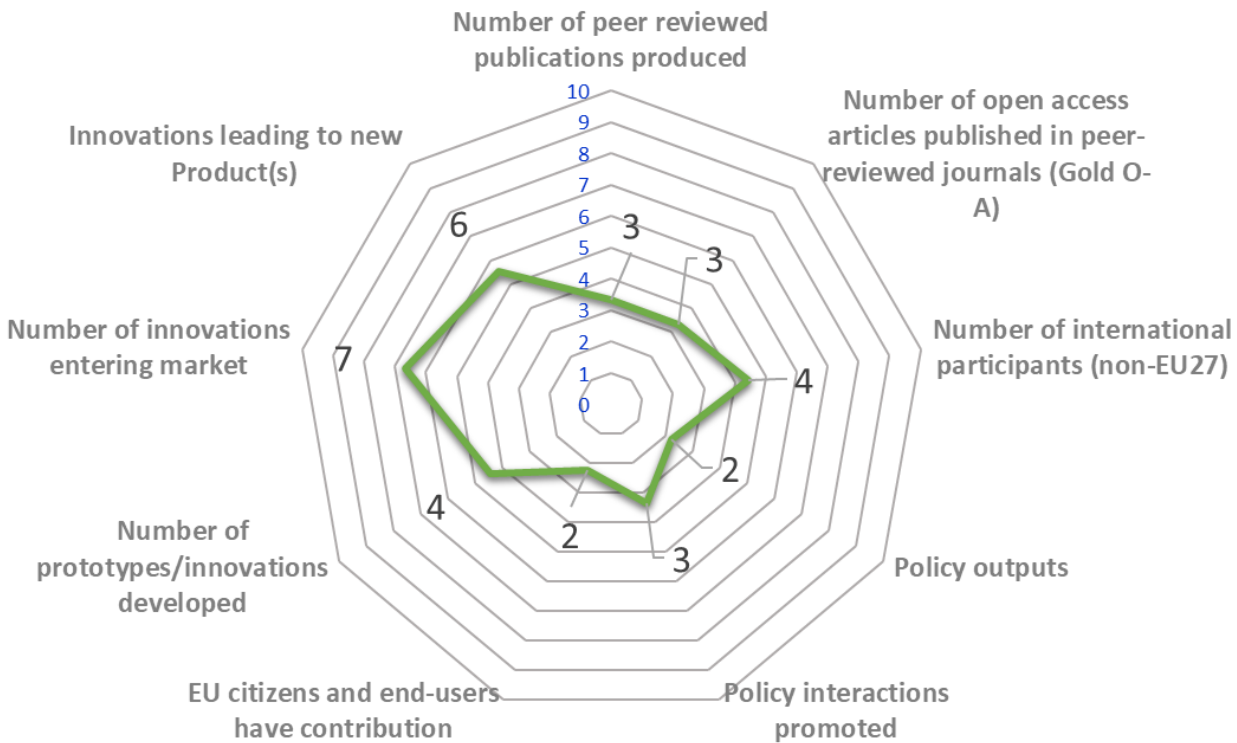
By type of participants



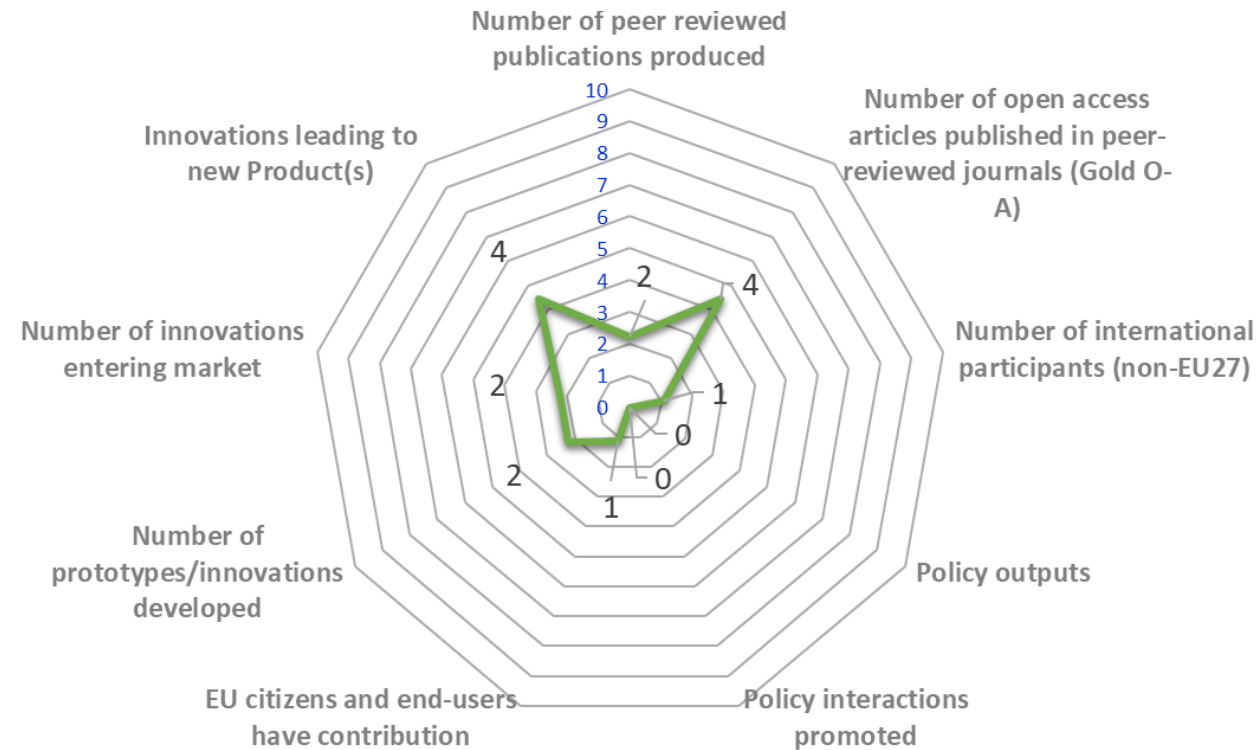
By assigned contribution



Raw Materials: Key Performance Indicators



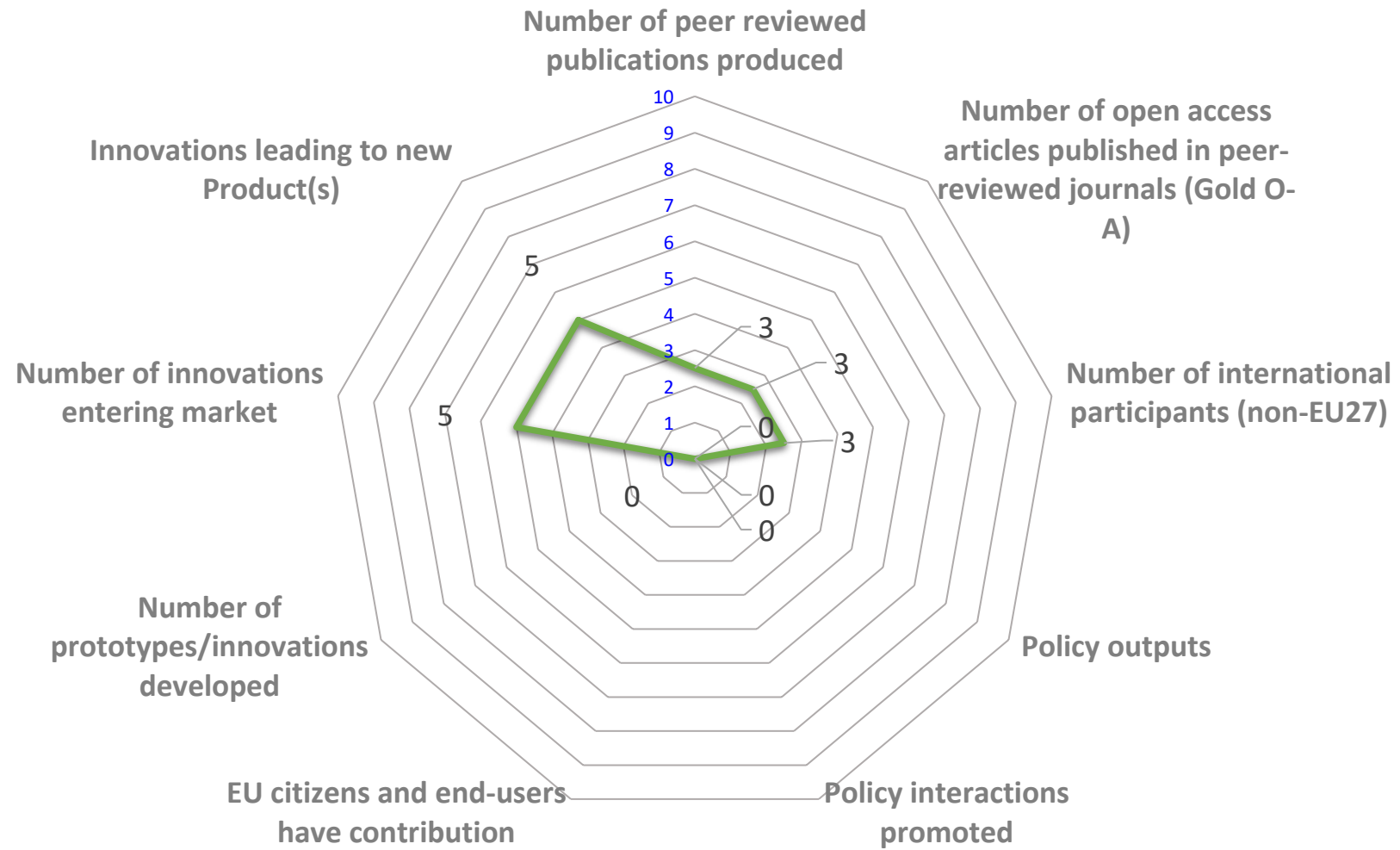
Cluster 3.1



Cluster 3.2



Raw Materials: KPI portfolio





Raw Materials: Scientific impact pathway

- Total number of publications 317: 213 peer reviewed.
- Most of the publications (78.9%) were Green or Gold Open Access.
- Half of the projects have participated in joint activities with other H2020 projects: workshops, meetings, conferences...
- Career progression moderate in industry-led projects, significant in the others.
- International openness: activity limited outside the European borders.
- No gender knowledge has been developed.



Raw Materials : Societal impact pathway

- Engagement of policy makers and delivery of policy recommendations not very relevant for the achievement of the objectives in the portfolio.
 - ✓ Except in one case: the legal task of one of the projects of this portfolio was adopted by the International Seabed Authority.
- Uptake of research and innovation results by society: dissemination events such as conferences and public consultations.
- No citizen participatory approaches have been carried out.



Raw Materials : Economic impact pathway

- TRLs achieved ranging from 3 to 6 depending on the technologies, materials and tools developed.
- Commercialisation of project's outputs: market researches conducted.
- Outputs not ready to reach the market: still need intermediate step.
- Several projects have tried to mobilise additional investments to further develop the results.
- Several patents have been applied to protect the results of the projects.
- Contribution to the development of standards: no projects but one.

IMPACT-



Raw Materials : Success factors



- Projects formulated to address real, clear and specific industry needs.
- Strong industry interest and commitment or the participating organisations.
- Balanced consortia with participation of industry, academia and research institutions.
- Motivation, skills and knowledge of the project teams.
- If there were no confidentiality issues, would SMEs be interested in participating in these projects?
- Support from the EC and the project officers



Raw Materials : Questions for discussion

- What could be the explanation for the high participation of private companies in the projects of this Raw Materials portfolio?
- What may have been the reasons for these RIA projects that are supposed to be relatively upstream of a commercial product to have had such economic impact?
 - ✓ May be because of the high participation of private companies?
 - ✓ May be because the projects were formulated to address real, clear and specific industry needs?
- Is confidentiality a barrier for dissemination and uptake of research and innovation results?
 - ✓ If there were no confidentiality issues, would SMEs be interested in participating in these projects?

- A balanced consortium with industry, academia and research institutions has been identified as a success factor:
 - ✓ What can be considered a balanced consortium??
 - ✓ Do consortia have to be different for different types of projects (RIAs/IAs)?
- How could the flexibility of the EC be improved so that it is possible for the project teams to stick to the project goal rather than to the project path??



- Three more thematic workshops
 1. 6 May: Environment, ecosystems and biodiversity
 2. 11 May: Waste
 3. 12 May: Water
- Final stakeholder conference
 - ✓ 3 June 2021
- [Indicators](https://impact-sc5.eu) and other project results are available on our website:
<https://impact-sc5.eu>
 - ✓ We are also present in LinkedIn

