



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

Policy Co-Creation Workshop on “Environment, Biodiversity & Ecosystems” related projects of Societal Challenge 5

Impact Pathways Approach and Results

May 6, 2021

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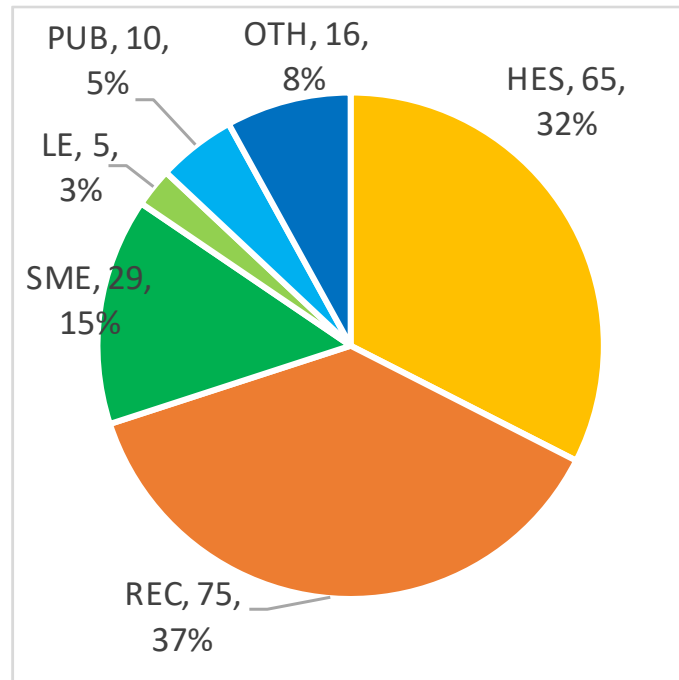
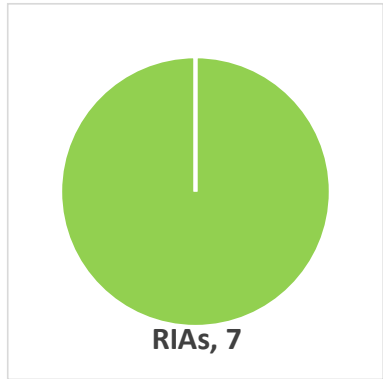




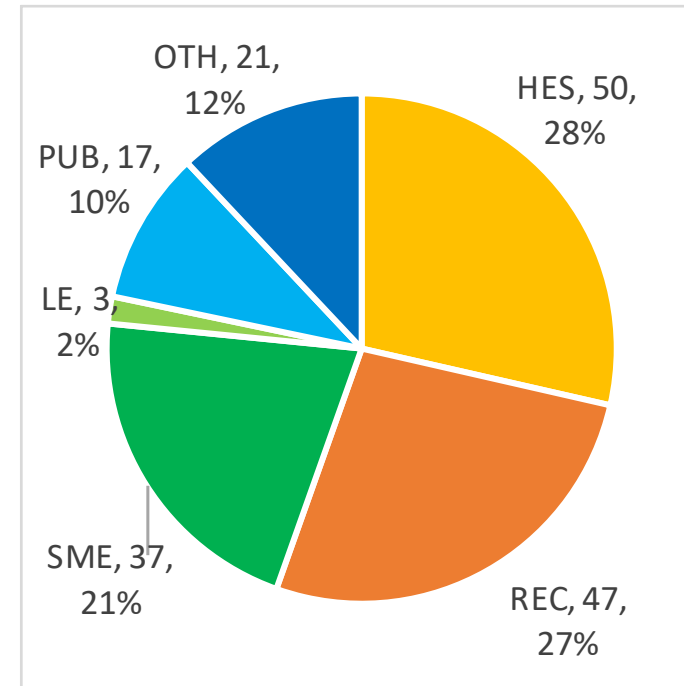
The portfolio in a nutshell: Overview of clusters

Project clusters	Call topics	No of projects	EC Contribution (€)
Cluster 2.1: Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems	BG-01-2015 (RIA/ ATLAS, SponGES) BG-08-2014 (RIA/ AtlantOS) SC5-06-2014 (RIA/ AfricanBioServices, AQUACROSS) SC5-07-2015 (RIA/ MERCES, AMBER)	7	68.654.213,81 EUR
Cluster 2.2: Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems: Observation, information and data systems	SC5-04-2015 (RIA/ ClairCity, ICARUS, iSCAPE) SC5-16-2014 (RIA/ ECOPOTENTIAL, SWOS) SC5-17-2015 (IA/ Ground Truth 2.0, GROW, LANDSENSE, SCENT)	9	60.756.821,05 EUR

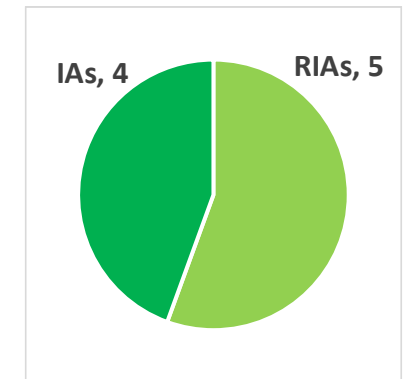
The portfolio in a nutshell: Overview of clusters



Cluster 2.1

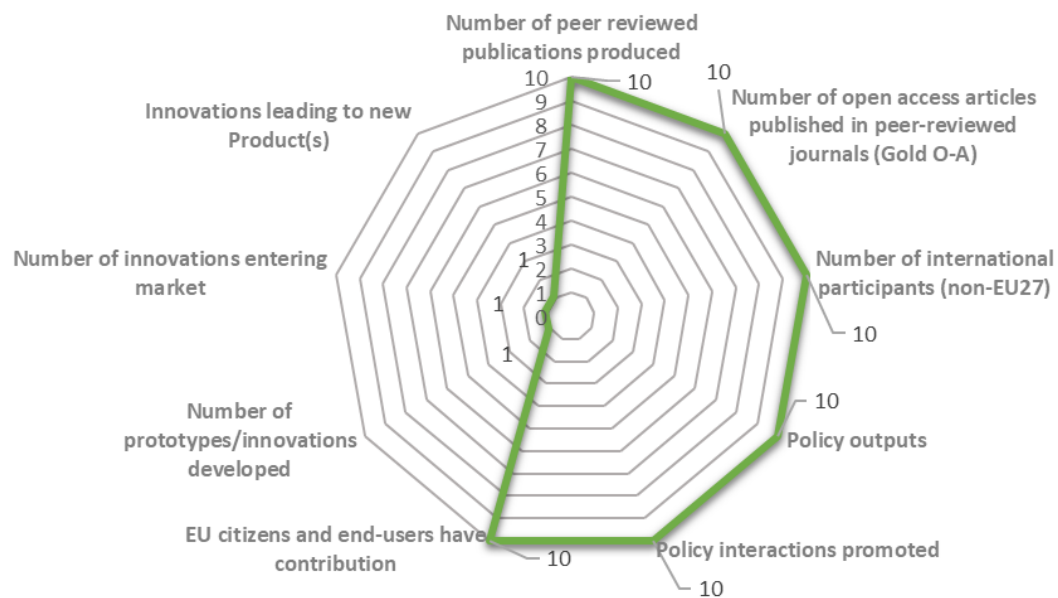


Cluster 2.2

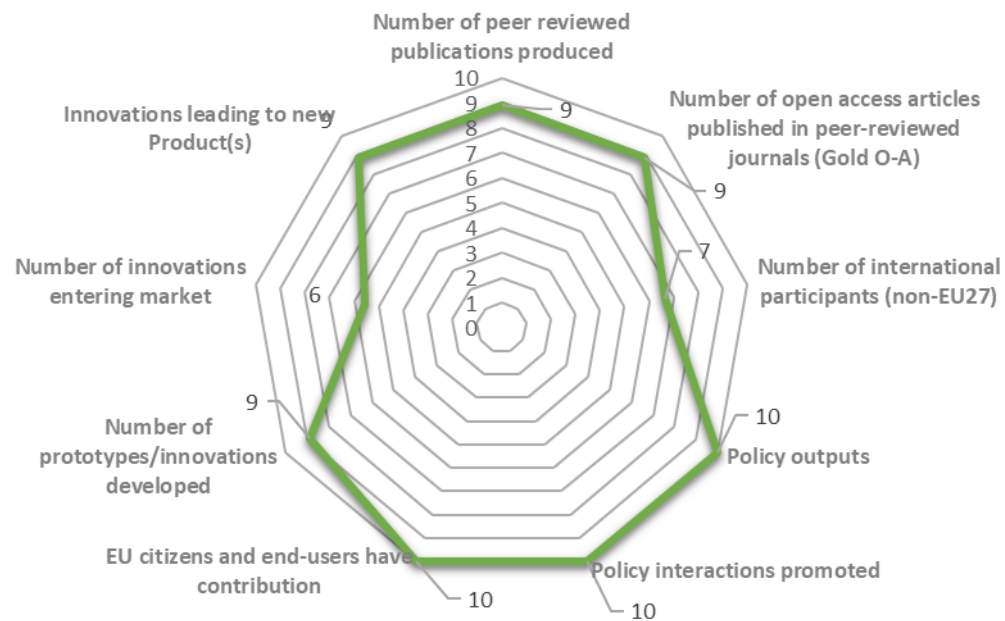




Key Performance Indicators Cluster Analysis



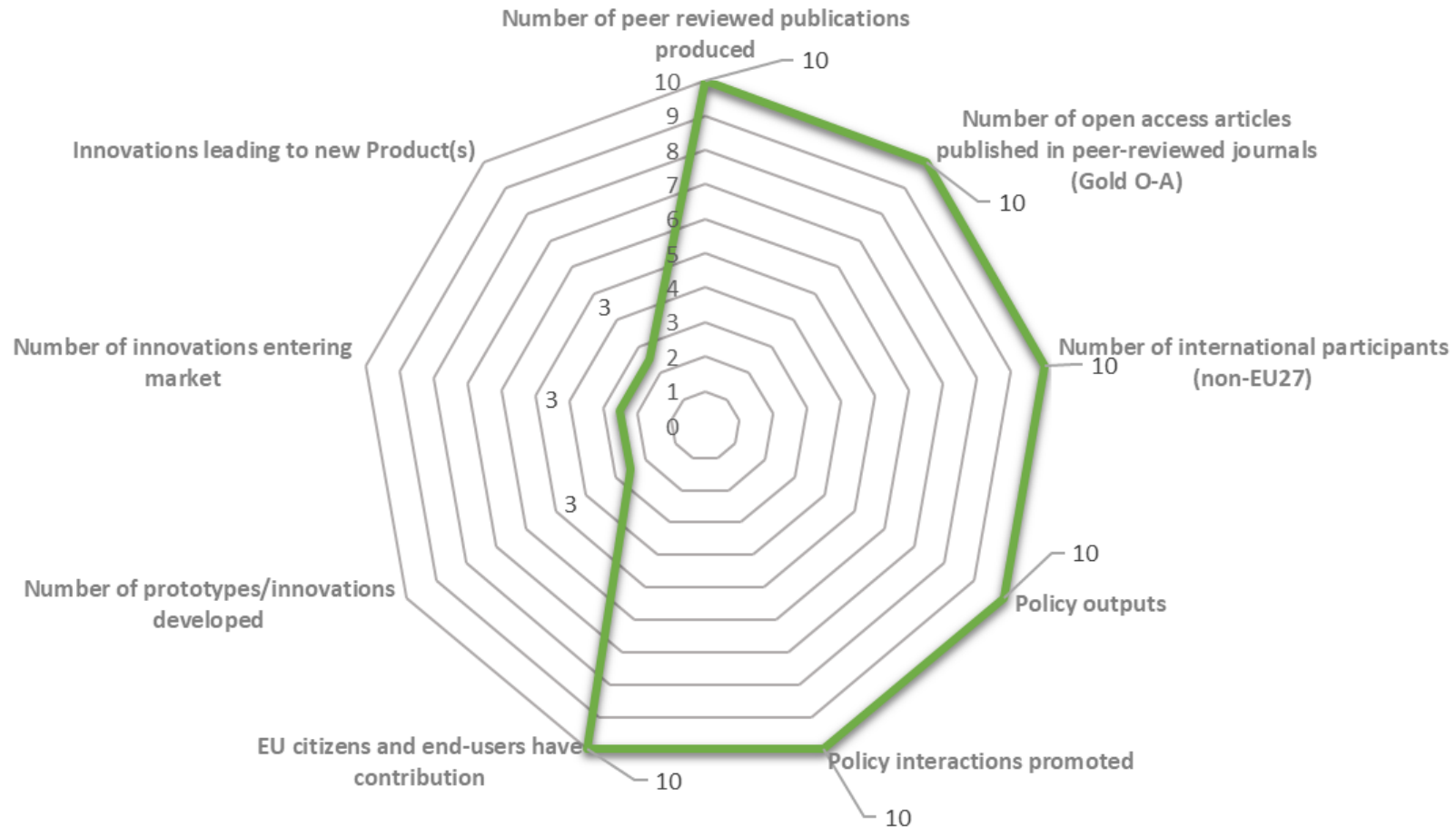
Cluster 2.1



Cluster 2.2



Key Performance Indicators Portfolio Analysis





Scientific impact pathway

- Around **1,000 publications** produced from which more than **700 published in peer reviewed journals**.
- Portfolio active in providing **scientific knowledge via open data**.
 - Majority of peer-reviewed publications provided via open access
- A great number of new datasets was produced while existing datasets were reinforced
 - More than 250 new datasets provided via open access.
- **Citizens science was strongly stimulated** through innovative approaches



Scientific impact pathway Cont'd

- **Fair gender balance:** Researchers 58%-42% (*1096 males – 792 females*) / Non-Researchers 49%-51% (310 males – 324 females), fairer balance than other portfolios
- **Strengthened the potential and future career perspectives of the researchers involved.**
 - Active support to PhD and Master students
 - *But, no exact number reported*
- **Large number of international partners**
 - >100 non-EU 27 organisations engaged - half of them though coming from UK
 - North and South America, Africa and Asia

...Based on our analysis portfolio 2 has contributed towards addressing the objectives and expected scientific impacts of the SC5 Work Programme



Societal impact pathway

- **A considerable amount of policy outputs** produced
 - policy recommendations, policy briefs, roadmaps etc. – *No exact number available*
- **Policy interactions were promoted** at local/regional, national, European as well as international
 - forums, conferences, trainings and public consultations – *No exact number available*
- **Strong involvement of citizens** through co-creation, campaigns, surveys, etc.
- **Wide range of stakeholders** engaged coming from the quadruple helix.
- **SDGs addressed by the portfolio:** Climate Action, Good Health and Well-Being as well as Sustainable cities and communities



Economic impact pathway

Despite the fact that this portfolio constituted mainly by RIAs (75%):

- **Several tools, models, methods and processes** were developed (ranging from TRL3 to TRL6)
- **Datasets produced** that may have future market potential
- **Tools, services and resources to mobilize and engage citizens** in citizens observatories and citizens science.
 - Mobile applications, platforms and serious games were produced that are currently under further development so as to be commercially exploited in the near future.

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Success factors



- Strong involvement of citizens
- The active international collaboration
- Balanced consortia with participation of academia, research institutions, SMEs, LEs and CSOs
- Motivation, skills and knowledge of the project teams.
- Apart from sheer dissemination channels, some projects used large relevant networks to facilitate the uptake of outcomes produced
- Support from the EC and the project officers



Some questions for further discussion

- This portfolio strongly engaged citizens during the implementation of its projects.
 - How can citizen science be further supported in the Horizon Europe?
- International cooperation has been reported as a major success factor.
 - Why do you believe international partnership was so important for the achievement of the projects' results?
 - How it can be further supported?
- The majority of the projects produced policy related outputs to trigger intelligent environmental policy making and political decisions.
 - How can these policy outputs be up-taken better on national level to sustainably exploit projects' results?

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**THANK
YOU
FOR
YOUR
ATTENTION**



- Two more thematic workshops
 1. 11 May: Waste
 2. 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 (@Impact-sc5)