



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

Comparative analysis of RIA and IA across Societal Challenges 2 and 5



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 869746



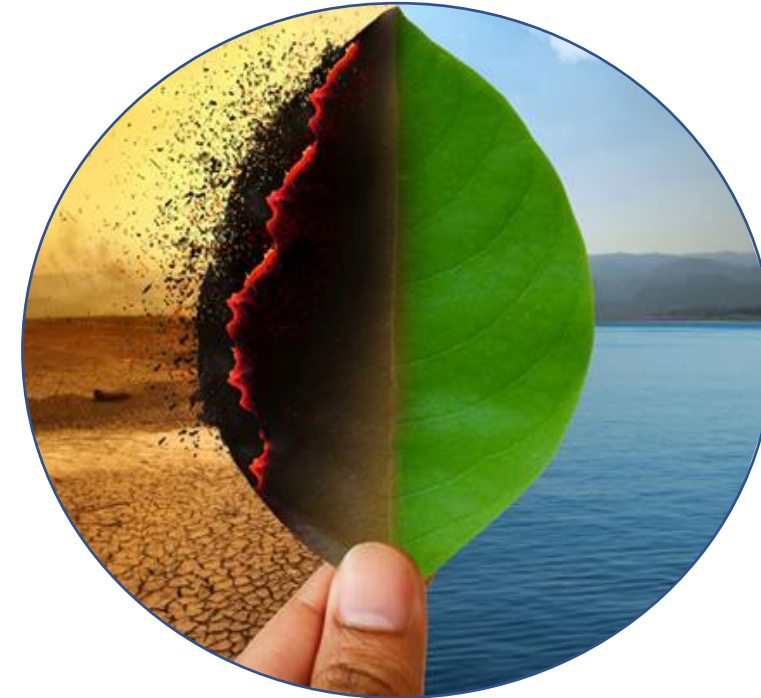


SC2 and SC5

	Societal Challenge 2	Societal Challenge 5
Aim	<p>Secure <i>sufficient</i> supplies of safe, <i>healthy</i> and high-quality food and other bio-based products. The means to this objective were to develop productive, <i>sustainable</i> and <i>resource-efficient</i> primary production systems, fostering related ecosystem services and the recovery of <i>biological diversity</i>, alongside competitive and <i>low carbon</i> supply chains.</p> <p>Focus on market driven approaches and job creation</p> <p>Involve end users</p>	<p>Achieve a <i>resource- and water-efficient</i> and <i>climate change resilient</i> economy and society, protect and <i>sustainably manage natural resources and ecosystems</i>, and a achieve <i>sustainable supply</i> and use of raw materials.</p> <p>Contribute to increasing [...] raw materials security and to improving <i>well-being</i>, while assuring <i>environmental integrity</i>, resilience and sustainability with the aim of keeping global warming below 2°C and enabling ecosystems and society to <i>adapt to climate change</i> and other environmental changes.</p>



- Evident linkage between SC5 and SC2
 - Achieve a resource and water efficiency
 - Achieve climate change resilient economy and society,
 - Protect and sustainably manage natural resources and ecosystems
 - Sustainable supply and use of raw materials
- Development towards SC5's goals supports:
 - Europe's agriculture, forestry, fisheries and aquaculture, bio-based industries,
 - integral part of the European economy and society (SC2)
 - good synergies between the two programmes is essential



• Focus WPs 2014-2015

Programme 2014-2015	No. of RIA calls/projects	No. of IA projects	Finances allocated to RIA and IA projects, M€	Average EU contribution/ project, M€
SC2	55	7	211	3.4
SC5	53	34	567	6.5



Materials and methods

- SC5 IMPACT analysis (portfolios)
- Work programme descriptions
- Expert evaluation on meeting Challenge 2 (2017)
- General impact analyses on H2020
- Dedicated interviews of thematically relevant SC2 projects (6)
- Perspectives:
 - Economic, scientific and societal outcomes





General aspects – economic impact

- Commercialisation and uptake of research results
 - High proportion of RIAs → starting TRL level rather low
 - Market uptake still achieved, with key consortium partners (YICs, Start-ups, SMEs)
- Job creation
 - Projects coordinated by research organization and education institutes (representing RIAs and partly IAs) more efficient in creating temporary scientific and administrative jobs, and temporary jobs for young people.
 - Permanent jobs were better in projects coordinated by Large Enterprises and YICs.
- Leveraging investment in R&I
 - Next/Future project preparations (Green Deal, HEU). Regional parallel funding less applied (not suitable TRL level, lack of expertise..)





General aspects – Policy and Gender

- Impact on policy
 - Policy papers
 - Workshops
 - The actual impact remain often open with regards to the European level
- The gender dimension
 - Gender aspects expected to be intrinsic to projects
 - Little activities in SC2





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Thematic areas

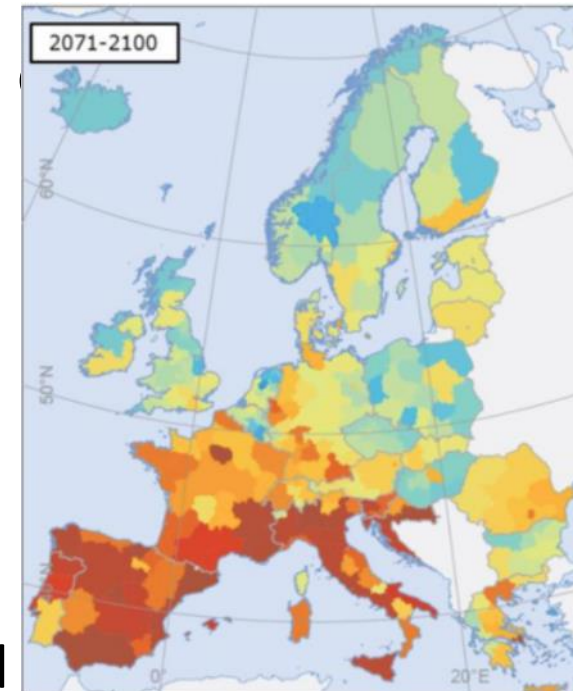
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- SC5-projects outputs linked to reducing the knowledge gaps climate change.
 - add to the body of knowledge (advanced tools, methods, models, guidelines)
 - fostering knowledge dissemination and open data
 - link to the international scientific bodies
- SC2 projects outputs
 - enhancing the climate and environmental performance of agri- and aquacultural activities at large



- SC2 preserving biodiversity related to
 - marine environment (new technologies for characterization)
 - conservation of biodiversity while developing crop production and forest management
- SC5
 - broader dimension, focus on observation systems, modelling and enhanced documentation.
 - enable better prediction on causalities between biodiversity and ecosystem function/service
 - monitoring methodology to define ecological status of future protected areas



- SC2 "water" scope limited to mitigation of marine pollution and soil management to mitigate groundwater pollution
 - Good quality water is a prerequisite to efficient production
- SC5 : water related projects 32 % of all funded projects
 - New innovations
 - Many with a cross sectoral approach
 - Nexus thinking (WEF)





Discussion

High degree of complementarity between the two work programmes

Similar important thematic agendas (climate change, resource efficiency and biodiversity) – different approaches and different outcomes

- SC2 impacts concentrate on the agro-food production systems.
- SC5 cuts in many topics across several sectors, various industrial sectors and the (urban) society.

Synergetic effects would preclude more tangible collaboration/cooperation

Cross fertilization beneficial

- Improved policy impact
- Improved governance processes



Achieve policy impact from research:

- Researchers provide scientific evidence to support policy development
- Policy interaction seen in many cases insufficient
- Structure of an productive consortium?

More fruitful collaboration between projects?

- A dedicated structural methodology for collaboration?
- Consider different timing and schedules in projects



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THANK YOU!



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