

ERIC Forum Case study: ESS and socio-economic impact

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Socio-economic impact model



planned work

intended (and unintended) results

INPUT ACTIVITIES OUTPUT OUTCOMES IMPACT

Funding, staff, equipment, knowledge, IKC, other resources Scientific, technological, educational, industrial activities, collaborations, outreach etc. Publications, research data sets, knowledge transfer, skills, policies etc. Uptake of outputs, applications, change of performance, influence etc.

Economic growth, innovation, job creation, social capital etc.



Our impact objectives



World-class research infrastructure enabling scientific breakthroughs and addressing grand societal challenges

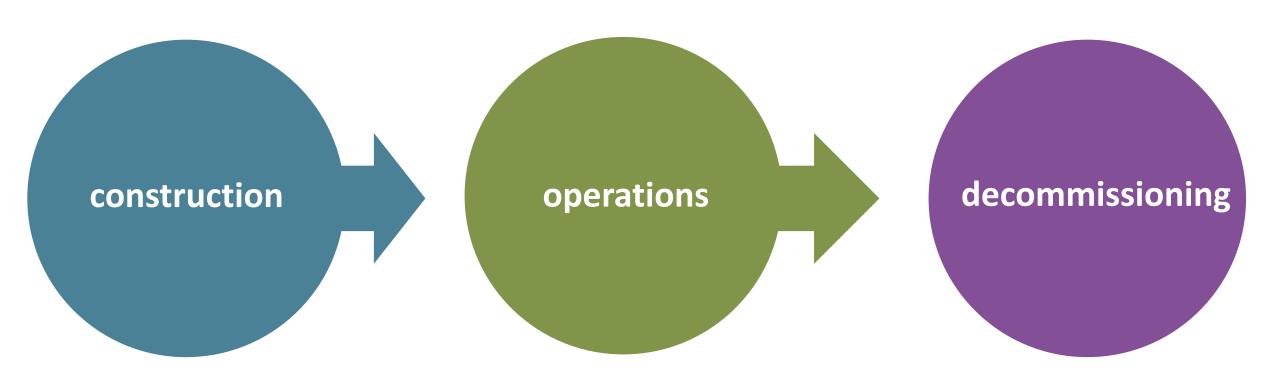
Research infrastructure that supports and develops its user community, fosters a scientific culture of excellence and acts as an international scientific hub

Research Infrastructure that is built on time and on budget, operates safely, efficiently and economically, and responds to the needs of stakeholders

Research Infrastructure that develops innovative ways of working, new technologies, and upgrades to capabilities needed to remain at cutting edge

Lifecycle of a research infrastructure





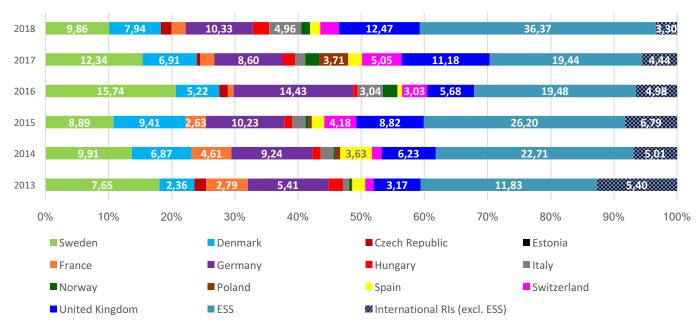
42 preliminary SEI metrics and indicators

41 preliminary
SEI metrics and indicators

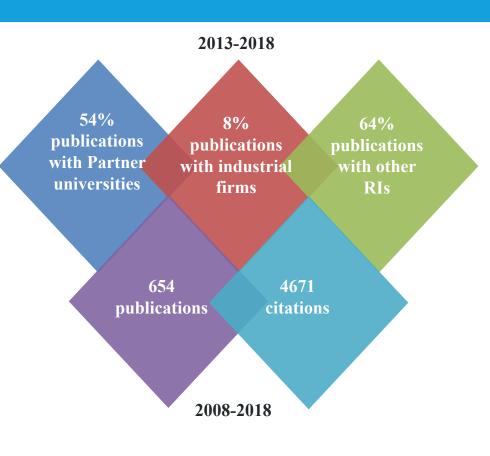


ESS co-publications by Member Country per year



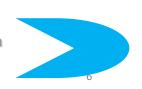


	2013	2014	2015	2016	2017	2018	Overall
Total publ.	54	86	97	95	98	112	542
With MC	42	72	82	76	80	87	439
%	78%	84%	85%	80%	82%	78%	81%



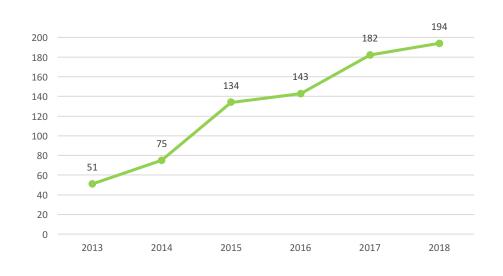






Accumlated number of new partners involved in grant projects





12 grant partners from outside EU

Grant projects involving industry from SE, DK, DE, NO

R&D projects with industry from 11 Member Countries (missing EE and HU)

IKPs reporting
having expanded
their network
due to their
relationship with ESS

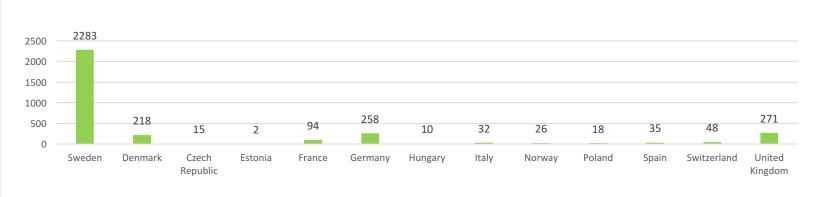


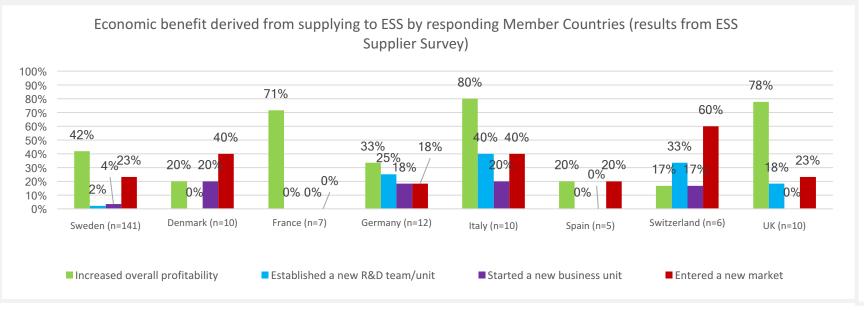




Total number of new suppliers per Member Country







Share of contracts awarded to Member Countries



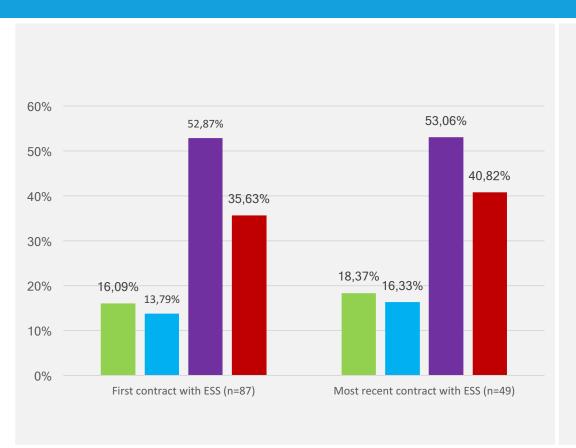






Innovation level of products and services supplied to ESS



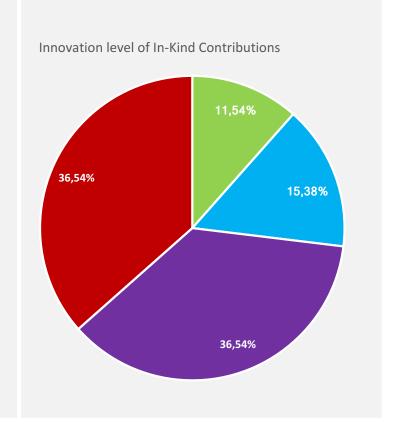


Off-the-shelf products, technologies and/or services

 Minimal changes to off-the-shelf products, technologies and/or services

■ Highly customized, technologies and/or services

■ New and advanced products, technologies and/or services









SEI Lessons Learned at ESS



- SEI is applicable from the concept phase through the complete lifecycle of a RI
- SEI/KPI parameters cannot be static and need to be tuned:
 - When phase milestones are achieved
 - If context or surrounding parameters have changed
 - Minimum on an annual basis
- SEI can be seen as a continuous project for a RI with reporting dates e.g. on an annual basis
- SEI does not have the same shape and form for all RI stakeholders:
 - ESS created narratives for each member country
 - A translation of SEI along the lines "what does it mean for you"
 - SEI can be seen as an abstract and agile currency depending on the "customer"
- A joint methodology, philosophy and toolset would help all RIs!

