

General Assembly Innovation and Industry WP04

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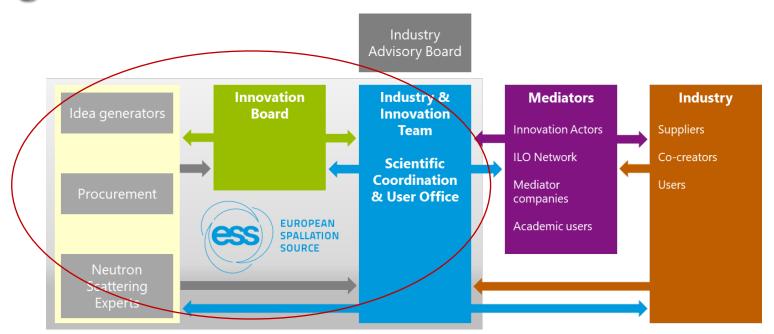


Overview of WP

- Propagate and implement an ESS Innovation Strategy by
 - Engaging industrial users
 - Establishing an internal innovation culture
 - Exploring the potential of the Industrial Liaison Officers network
- Partners involved in the WP
 - European Spallation Source ESS (lead)
 - Technische Universität München TUM
 - Paul Scherrer Institute PSI
- Timeline covered
 - July, 2020 December, 2022

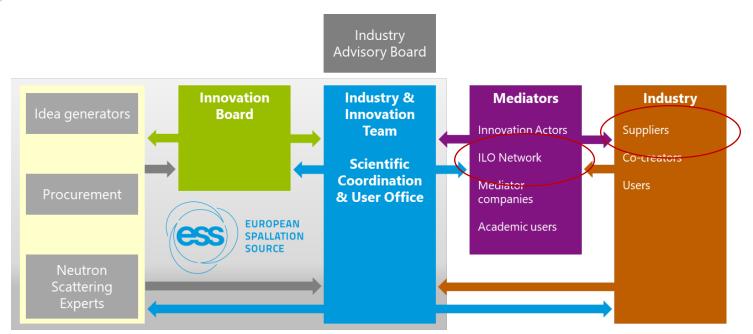


BrightnESS reference model



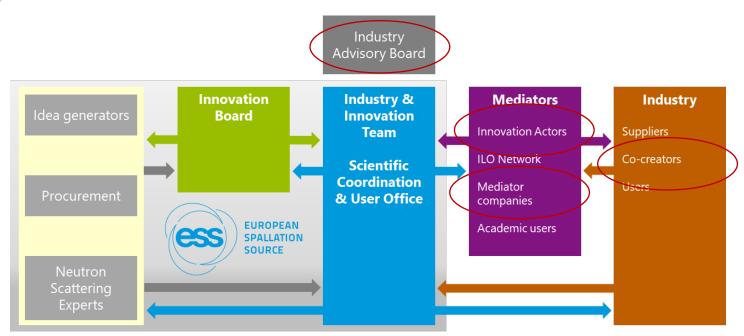
WP4.1 Implementing the ESS Innovation Strategy

brightness² BrightnESS reference model



WP4.2 Evolving the ESS ILO Network

brightness² BrightnESS reference model



WP4.3 Preparing for industrial users

Elements of WP4 in the period

- Reporting on the cross-border activities.
 - Identifying collaboration areas
 - Analysing the status
 - Recommending and describing innovative collaboration schemes
- Describe processes and procedures for targeted access routes
 - Challenge the defined innovation strategy
 - Clarify potential engagement with industrial users
- Create a service catalogue
 - Including price list with three use cases
- Describe and recommend Innovation Capacity Building
 - Capacity building within all areas of the WP objectives
 - Recommendations on how to move forward from the current status and situation
- All elements are based on dialogue with ESS stakeholders, by interviews, surveys and workshops





WP4.1 Implementing the ESS Innovation Strategy

- Analyse and describe current culture
- Innovation Change Culture Strategy short-medium-long term
- Analyse current status of technology implementation
- Mapping of cutting-edge technologies
- Analyse user constraints and requirements



Engagement of the ILO network has been successfully transferred from the project to ESS operations.

Used the network as a sounding board for innovative initiatives, including the filing of the ESS patent.

Patent validated in all member countries and the ILO network are given the opportunity for outreach and engagement from national industries

within spallation-based neutron generation

The ILO network was engaged with the investigation of cross-border activities and was enabling a very

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Impact and value proposition

Direct ESS Impact and Value

- The Internal Innovation Board
- The Industrial Advisory Board
- Establishment of the ESS Innovation Catalogue
- Technical and knowledge transfer procedures and policies
- Concept of an Innovation Eco-System

Indirect ESS Impact and Value

- Other active projects
 - ERIC Forum
 - ENRIITC
 - PaNOSC

Dissemination activities

- 50 Meetings
- 15 Workshops
- 25 Conferences
- Other projects
 - ERIC Forum WP4 input
 - ERIC Forum policy workshops
 - ENRIITC your coffee
- Publications
 - Innovation Eco-System
 - An innovative ecosystem for accelerator science and technology





















Dissemination activities

КРІ	Number	@M18	@M42	Remaining
Number of inventions detected (per year)	3	4	5	
Number of ILOs with innovation ambition	7	11	11	
Number of Business Profiles registered in				
the ESS Supplier Database (at the end of	1	-	-	
project)				
Number of supplier contracts (relevant	5			
contracts above 200K EUR) (per year)	J	-		
Number of potential industrial users				
approached in outreach activities (at the	300	100	500	
end of project)				
Number of Innovation Ambassadors at ESS	6	8	20	
(at the end of project)				
The response/the feedback when industry		Positive, but reliasation	Positive, open,	
is approached		possibilities need to be	collaborative	
Use of resources (PM)	100%	18%	100%	

Sustainability of WP after project end

- Input to Policies and Procedures
 - Access
 - Automation
- Evolving the innovation catalogue following the evolution of ESS
- Industry collaboration
 - Irradiation activity
- Proposals based on BrightnESS² competence and knowledge
 - RITIFI Making sure that RI collaborate with TI for the benefit of industry
 - AI4SI Applying AI for RI use to meet industry demands and requirements
 - NextGNeuS Support the next generation of local Neutron sources for Industry and academia



Science & Technology