







The European Network of Research Infrastructures and Industry for Collaboration

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Deliverable Report:

D1.6 Agenda and Minutes of the closing project meeting and the final General Assembly

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1 Project Deliverable Information Sheet

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7 List of Abbreviations

BSBF	Big Science Business Forum
CDTI	Centre for the Development of Industrial Technology
DTI	Danish Technological Institute
EATRIS	European Infrastructure for Translational Medicine
EC	European Commission
ENRIITC	European Network of Research Infrastructure and Industry for Collaboration
ESA	European Space Agency
ESFRI	European Strategy Forum on Research Infrastructures
ESRF	European Synchrotron Radiation Facility
ESS	European Spallation Source ERIC
GA	General Assembly
ICO(s)	Industry Contact Officer(s)
ICRI	International Conference on Research Infrastructures
ILO(s)	Industry Liaison Officer(s)
IndTech	European Conference on Industrial Technologies
IRF	Institutet för rymdfysik (Swedish Institute for Space Physics)
KPI	Key Performance Indicator
LTU	Lulea Teknisk Universitet
MESRI	Ministry of Higher Education, Research and Innovation
MoU	Memorandum of Understanding
PERIIA	Pan-European Research Infrastructure/ILOs Association
RI(s)	Research Infrastructure(s)
SSC	Swedish Science Corporation
SSH	Social and Cultural Innovation
SZN	Stazione Zoologica
TT	Technology Transfer
WP(s)	Work Package(s)
WPL(s)	Work Package Leader(s)



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9 Report on Implementation Process and Status of Deliverable



Picture 1: Participants of the last ENRIITC General Assembly meeting (3 participants not pictured)

9.1 Executive Summary of the Fourth ENRIITC General Assembly and closing project meetings

The fourth and final ENRIITC General Assembly (GA) meeting that was held on 12 December 2022 in Kiruna, Sweden. The meeting was attended by representatives of all the 11 beneficiaries. A total of 17 participants (11 in person and 6 online) joined to discuss the project's achievements during its last year, from a technical, financial and administrative point of view.

The meeting was opened by Anne-Charlotte Joubert, Grant Officer at the European Spallation Source ERIC (ESS) and Project Coordinator for ENRIITC. Work package leaders (WPLs) from work packages (WPs) one through five presented their last-year results along with the impact of their WP and sustainability aspects. Main outcomes and recommendations can be summarised as follow:

- the network grew by more than 465% going from 88 individuals in January 2022 to 497 in December 2022, representing RI-ICOs and ILOs, but also representatives of funding agencies, innovation centres, ministries, etc.;
- there is a need for such platform and the ENRIITC Network has the capacity to engage with both the Research and Innovation ecosystems, as well as to create links with and visibility towards industry;
- the Hub model has become central in the discussion of the ENRIITC sustainability;



- most of the project results is available on the project website and Youtube channel and will remain publicly available after the end of the project;
- having a one-stop-shop platform providing tailored and dedicated services and recommendations has helped the RI community shaping their engagement with industry;
- Knowledge transfer for innovation is a possible convergence area for ILO and ICO activity. It is an 'unknown' territory where there should be potential;
- CatRIs has been identified as one potential solution for a portal of RI-industry connection;
- there is a large need for professionalisation of the sector, and creating a culture of industry relations with RIs.
- communication and visibility are important to disseminate the strategies and ensure continuity with the work that has been done;
- recommendations about integration of RIs into innovation ecosystems had been adopted and will be the topic of possible future funded project;
- case studies are valuable and are highly demanded by industry who systematically requests examples;
- the continuous growth of the network as well as the analytics presented by WP5 confirmed the successful implementation of the project;
- constant collaboration with the partners and community supporting cross promotion and dissemination standing as a testament of the established ENRIITC network.

Joubert concluded the GA meeting after the GA representatives endorsed the work presented and approved the "technical and financial progress presented for its last year of operation."

The meeting was followed by a project workshop session with all of the consortium partners, to discuss the future of ENRIITC.

To close the project, the ENRIITC partners had the opportunity to meet with EISCAT, an ESFRI landmark which is based on the Kiruna Space Campus. The Kiruna Space Campus is a world-renowned hub for space research and technology consisting primarily of Swedish Institute of Space Physics (IRF), EISCAT Scientific Association and the Luleå University of Technology (LTU). They work closely with the European Space Agency (ESA) and the launch facility Esrange Space Center.

On Monday afternoon, the consortium partners and general assembly representatives met with representatives of EISCAT, IRF and LTU. The Space Campus is a great example of an ecosystem where stakeholders from the research and innovation ecosystems work in close collaboration. On Tuesday morning, they had a study visit at Esrange meeting representatives of the Swedish Space Corporation and discuss industrial usage of space infrastructures, prior to heading to the Abisko Research Center for a meeting with the Swedish Polar Research Secretariat.

These two-day meetings were very insightful for the ENRIITC consortium, and all the case studies presented showed different ways and perspectives in the RI-industry engagement. Indeed, the Kiruna Space Campus showed the importance of the ecosystem and the establishment of synergies and collaboration between the stakeholders from research to innovation, ESRANGE and the SSC was a great example of creating business and innovation from science, and the Abisko Research Station offered opportunities to envisage support for further engagement with industry. This project closing was an opening to the future of ENRITC.





9.2 ENRIITC fourth General Assembly meeting

9.2.1 Agenda of the Fourth General Assembly meeting

	ENRIITC
	Final General Assembly Meeting
	And ENRIITC meetings with the Space Industry

	11-14 December 2022
Sunday 11 Dec	cember
20:00 – Welco	me networking dinner at the hotel
Monday 12 De	ecember
08:30 - 12:00	ENRIITC General Assembly
Online connec	tion:
https://ess-eu	.zoom.us/j/67086509017?pwd=WIFuYTF1OUYyV2F4ZTducUdPbVpuQT09
08:30-09:00	Welcome Coffee
09:00-09:15	Welcome & Opening: ENRIITC plan for 2022
	Anne-Charlotte Joubert, ENRIITC Project Coordinator, ESS
09:15	Work Package 1: ENRIITC network and project coordination
	Anne-Charlotte Joubert, Grant Officer – ENRIITC Project Manager, ESS
	 Iviain activities & achievements
09:35	Work Package 2: Objectives, achievements & impact/Q&A
	Ilaria Nardello, Research Associate, SZN
	 Main activities & achievements
09:55 - 10:15	Coffee break
10:15	Work Package 3: Objectives, achievements & impact/Q&A
	Nikolaj Zangenberg, Director of Big Science Center, DTI
	 Main activities & achievements
10:35	Work Package 4: Objectives, achievements & impact/Q&A
	Ed Mitchell, Head of Business Development, ESRF
	 Main activities & achievements
10:55	Work Package 5: Objectives, achievements & impact/Q&A
	Nigel Wagstaff, Main Project Manager, EATRIS &
	Jake Fairnie, Head of communication, EATRIS
	 Main activities & achievements

ENRITC	**** * * * * * *
ENRITC	
11:30 – 12:30 The Future of ENRIITC - Workshop	
12:30 – 14:00 Lunch and transfer to Space campus	
14:00 – 17:00 ENRITC meets the Space industry I – Kiruna Space Campus EISCAT Research Infrastructure, Axel Steuwer, Director Institutet för rymdfysik (IFR), Dr Olle Norberg, Director General Luleå tekniska university, Olle Persson Tour of Space Campus	
19:00 Networking dinner at Ice Hotel	
Tuesday 13 December	
8:00 – 12:00 ENRIITC meets the Space Industry II - Esrange Space Center Site visit of the Esrange Space Center, meeting with Lennart Poromaa, Presid Services and Head of Esrange Space Center at SSC – Swedish Space Corporat	lent Science ion
12:00 - 14:00 Lunch and transfer to Abisko [Johanna Bergström (LTU) will present the RIT project during our trip to Abisk	ko.]
14:00 – 17:00 ENRITC meets the Abisko Scientific Research Station Case study visit at Abisko Scientific Research Station, Emily Pickering Pederse Research Secretariat)	en (Swedish Polar
17:30 networking dinner at Abisko Aurora Sky Station	
Transfer back to the hotel	
Wednesday 14 December	
Departure -	

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9.3 General Assembly Meeting Minutes



Picture 2: ENRIITC General Assembly representatives and Consortium members (in person representatives)

9.3.1 Welcome and Opening: ENRIITC achievements in 2022

Anne-Charlotte Joubert, Grant Officer – ENRIITC Project Coordinator, ESS

Anne-Charlotte Joubert opened the Fourth and final ENRIITC GA meeting by welcoming the project's 17 GA representatives from its 11 beneficiaries. She then introduced the agenda for the day, explaining that each of the WPLs are to give an update on their achievements and outline the key results, impact and sustainability of their respective work-package.

To start the meeting off, Joubert reminded the audience the work plan and timeline for 2022 that was presented in the last GA (February 2022) providing an overview of what was expected to be done.

9.3.2 Work Package 1: ENRIITC network and project coordination

Anne-Charlotte Joubert, Grant Officer – ENRIITC Project Coordinator, ESS

WP1 has two main objectives. On one hand it aims at ensuring the proper implementation of the project, through an efficient day-to-day management, including regular contact with the European Commission. Thus, making sure that all the work planed is achieved on time and within the budget. On the other hand, WP1 assures the coordination of the network, and anchors its long-term sustainability.





Task 1.1 Technical project management

WP1 had four deliverables to complete in 2022. Three out of four due deliverables were completed at the time of the General Assembly meeting. The last one being the minutes of the meeting is expected to be submitted by the end of the project (end of December).

Table 1: List of WP1 deliverables and milestones

Task	Deliverable / Milestone	Due date	Delivery date
T1.3	D1.1 "Agenda and minutes of the Kick-off Meeting and the	M02	M02
	first General Assembly"		
T1.1	D1.2 "Data management plan with details on data storage	M04	M03
	and data open access rules"		
T1.2	MS05 "First networking meeting	M10	M10
T1.3	D1.3 "Agenda and minutes of the second General	M14	M16
	Assembly"		
T1.3	MS09 "Mid-term review"	M22	M22
T1.3	D1.4 "Agenda and minutes of the third General Assembly"	M26	M27
T1.4	D1.5 "Policy Paper on the sustainability of the ENRIITC	M30	M35
	Network"		
T1.2	D1.6 "Agenda and minutes of the closing project meeting	M35	To be submitted
	and the final General Assembly"		(M36)
T1.4	D1.7 "MoU among RIs and ILO managers to sustain the	M35	M35
	ENRIITC Network"		

Task 1.2 Networking activities

Over the three years of the project, the network grew by more than 465% going from 88 individuals in January 2022 to 497 in December 2022. Representatives of the network are RI-ICOs and ILOs, but also representatives of funding agencies, innovation centres, ministries, etc. This impressive growth and profile of the network members demonstrates the need for such platform and the capacity of the ENRIITC network to engage with both the Research and Innovation ecosystems.

Joubert highlighted the main events that took place since the last General Assembly meeting (see table 3 below). Each of them was an opportunity for ENRIITC to engage with the different stakeholders. Those successful events gave high visibility to the ENRIITC network and strengthened the importance of such platform to create links with and visibility towards industry.

BSBF 2022 and ICRI were major opportunities for ENRIITC to organise networking events. Both events served as an advocacy platform to encourage follow-up on activities and engage with different stakeholders, including with the European Commission.

Table 2: List of events taking place in 2022

Date	Event / meeting	Location
25.03.2022	The ESFRI 20 th Anniversary Conference	Paris, FR
19.05.2022	METROFOOD conference	online
18-20.05.2022	ASTP annual conference	Lisbon, PT
21-23 June	EPOS annual conference	Barcelona, ES
27-29.06.2022	European Conference on Industrial Technology (IndTech)	Grenoble, FR
04-07.10.2022	Big Science Business Forum (BSBF)	Granada, Spain
19-21.10.2022	International Conference on Research Infrastructure (ICRI)	Brno, CZ

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In September #ENRIITCyourCoffee held its final episode wrapping-up the mini-series launched in November 2020 during the pandemic. After five season and thirty-nine episodes, #ENRIITCyourCoffee attracted more than 200 unique participants.

Task 1.3 Financial and administrative project management

Joubert then continued with the administrative and financial aspects. She presented the global spending at the end of September, which corresponds to the last cost monitoring period collected. At the end of September, the project presented a total expenditure of 82%. This is slightly under the expected expenditure when considering a linear approach (92%). However, looking into the forecast for the remaining period, it is estimated that 96% of the budget would be spent by the end of the project. Joubert highlighted the importance to ensure that all costs linked to the project are properly declared by all consortium partners.



Screenshot 1: ENRIITC Financial status

Joubert gave an update on the Amendment launched in August. It has been approved by the EC. There had been delays in the submission process due to the change of project officer in Autumn 2022. She also informed that a new PO has been appointed and that a meeting with him was held the week before the GA.

Joubert finally reminded the GA representatives that a final report will need to be produced and submitted to the EC by 28 February 2023. An email was sent to all the consortium partners and admin representatives with a timeline and template to be completed. She also informed that during her meeting with the EC Project Officer she was told that a Final Project Review meeting will be organised mid-March (about two-weeks after the submission of the final report).



Task 1.4: Long-term sustainability if the ENRIITC Network

Joubert pursued with task 1.4 related to the sustainability of the network. This task was co-lead by SZN and NWO-I, and covered two major deliverables of this last period of the project: D1.5 "the sustainability of the network" and D1.7 "Memorandum of Understanding". To ensure the consortium' expectations were properly represented in the implementation of this task, a working group was created mainly with StB representatives. Also, the sustainability was built upon the discussions with the General Assembly during the workshop held in February 2022 following the last GA, as well as on the "ENRIITC hub" model presented by WP3. D1.7 provides a MOU template to be used by the RIs and ILOs to confirm their engagement with the ENRIITC network. Joubert highlighted that this deliverable was initially linked to a KPI. It was thus expected that 18 Projects and 37 Landmarks of the ESFRI Roadmap would sign the MOU by the end of the project. However, despite the fact the MOU is a non-binding document, such document still requires the engagement of RI legal department prior to signature, which may delay the signature of the MOU. To tackle this and thus ensure continuous engagement from the community, together with WP5, a marketing campaign has been launched, informing the network about the MOU, and inviting the RIs to contact ENRIITC.

Joubert concluded her presentation discussing the impacts of the WP. A major one being the reference to ENRIITC in the new ESFRI Roadmap. This was already presented in February. Together with WP5, testimonies of ENRIITC members were collected to understand how the project and its activities has been impacting the community, and the results showed that the recommendations proposed by WP3, had helped RIs with the implementation of their strategies related to engagement with industry, the discussions under #ENRIITCYourCoffee as well as the training activities (WP4) enabled RIs developing the function of ICOs. ENRIITC has been invited as key note speaker to present RI-industry engagement in various fora. At the end of the project, it is clearly demonstrated that having a one-stop-shop platform providing tailored and dedicated services has helped the RI community shaping their engagement with industry.



Screenshot 2: Quotes from ENRIITC network members

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QUESTIONS/COMMENTS

Gerard Cornet wondered about the reason of the underspending. Joubert answered that the project was financially affected by COVID as it prevented to meet in person. However, there have been many opportunities to meet in person since the re-opening of European countries and the possibility to travel again. This is reflected in the forecast shown.

Cornet asked about the review meeting and whether it would be online or in person. Ed Mitchell highlighted that indeed an in-person meeting in conjunction with a relevant event could be a good idea. Joubert answered that by default it will be online, but an in-person meeting could indeed be considered either in Brussels or Sweden (depending on the EU calendar and Swedish Presidency).

Javier didn't receive the email regarding the final report. To ensure everyone has it, Joubert will resend it.

9.3.3 Work Package 2: Mapping of Research Infrastructure-Industry Collaborations | Objectives, achievements, and impact / Q&A

Ilaria Nardello, Research Associate, SZN

Table 3: List of WP2 deliverables and milestone

Ilaria began the WP2 presentation with a reminder of the WP's goal: to map the key elements to enact the envisaged collaborative framework between ESFRI RIs and industry players to bring technological innovation about. WP2 has been a key pillar to the project as it brought forward information on the current status of industry-RI relations. This information supported the production of specific strategic recommendations within WP3 and contributed to the definition of tailored support-actions within WP4, as well as strategically informed the strategy for the network near future in WP1.

Task	Deliverable / Milestone	Due date	Delivery date
T2.1	MS03 "Survey questionnaire ready"		M03
T2.1 &	.1 & D2.1: "Report on the mapping of industry as a supplier		M12
T2.2	and user"		
T2.3	D2.3: "Analysis of performance indicators of ILOs/ICOs	M14	M17
	across countries and domains"		
T2.4	D2.2 "Report on information portals and opportunities	M14	M21
	with RIs"		
T2.5	D2.4: "Report on drivers and barriers"	M24	M30

Nardello gave a brief overview of what had been achieved although the WP and the implementation of the different tasks and their linked deliverables.

Since the last GA, WP2 was left with the implementation of task 2.5, and thus the work mainly focused on the preparation of D2.4 where SZN and ESRF worked together. Inputs were collected through a survey that all consortium partners took part of. The deliverable was submitted in August 2022.

Nardello continued presenting the main takeaways from the WP:

- Knowledge transfer for innovation is a possible convergence area for ILO and ICO activity. It is an 'unknown' territory where there should be potential;
- CatRIs has been identified as one potential solution for a portal of RI-industry connection;
- There is a large need for professionalisation of the sector, and creating a culture of industry relations with RIs.





Ilaria also questioned whether ERICForum could take on some of the ENRIITC activities. In the current project, there is a WP related to engagement with industry that is also led by ESS. There could thus be an interest to support. Joubert replied that there is ongoing discussion with the ERICForum project, and that there are plan to include continuation within the second project where ESS, EATRIS, EMSO and CLARIN would work together.

QUESTIONS/COMMENTS

Cornet added a comment on the main results and outcomes related to the professionalisation where there is also a large need for strategy in the relations. Most of the relations are more on a day-to-day basis rather than on a strategic level.

9.3.4 Work Package 3: Development and Refining of Strategies for Innovation, Training, and Outreach | Objectives, achievements, and impact / Q&A Nikolaj Zangenberg, Director of Big Science Centre, DTI

Nikolaj Zangenberg started his presentation reminding the position of WP3 within the project structure relying on WP2 to receive inputs from the mapping exercise and providing the recommendations to WP4 for the pilots to be tested. Despite delays with WP2, the work provided under WP3 came out very useful. The main efforts were mostly concentrated between March 2021 and September 2021 for the tasks 1 to 3 where 4 deliverables were produced, and between November 2021 and September 2022, for the remaining task and associated deliverable.

Table 4: List of WP3 deliverables and milestones				
Task	Deliverable / Milestone	Due date	Delivery date	
T3.3	MS06 "Implementation of six focus groups to verify	M14	M14	
	strategies"			
T3.1	D3.1 "Strategy to exploit the innovation potential of RIs"	M16	M21	
T3.1	D3.2 "Strategy for innovation and industry-RI	M17	M21	
	cooperation"			
T3.2	D3.3 "Strategy for training of ILOs/ICOs and outreach	M17	M22	
	towards industry"			
T3.3	D3.4 "A practical step-by-step guide for ILOs/ICOs to	M17	M21	
	organise brokerage events"			
T3.4	D3.5 "Policy recommendations for the optimization of	M30	M32	
	ILO/ICO performance"			

Task 3.1: Development of strategy and best practices for exploiting the innovation potential of RIs

Zangenberg went through the different deliverables that were produced explaining the link between them, all overlinked by D3.1 'Strategy to exploit the innovation potential of RIs' which acts as a helicopter perspective when the others are more targeting individual RIs.

He continued on the ENRIITC hub proposition that came out from D3.1 and which represents the central aspect of the sustainability of the network. He then presented the key actions proposed by D3.2

From the mapping exercise that took place in 2020 under T2.1 and T2.2, it was determined that European RIs are extremely different in terms of their size and maturity, as well as if they're singlesited or distributed. Thus, one strategy will not be able to cover all RIs. Instead, the four deliverables present both 5 overall strategic focus areas (D3.1) and lists 17 key actions (D3.2) that every RI





interested in industry collaboration should consider. All four deliverables have been approved by the European Commission (EC).



Figure 1: Proposed structure for the pan-European Innovation and Industry Services Support Central Hub

Task 3.2: Development of strategy for training of ILOs/ICOs and outreach towards industry

Zangenberg reminded the work that had been done under this task and the importance of the definition of the ICO and ILO roles and functions.

Task 3.3: Outreach strategies towards industry

This related deliverable provides recommendations on how to organise brokerage events.

D.3.2 consists proposals for training and joint activities, which include:

- 1. Recommended training for ICOs towards improved industry outreach
- 2. Recommended training of ILOs towards improved industry outreach
- 3. Platform for training and knowledge exchange between ILOs and ICOs.

Task 3.4: Recommendations for optimal performance of ILOs/ICOs

T3.4 aims to develop a set of policy recommendations that can help identify suitable incentives for optimising the effectiveness of the ILOs and ICOs and performance indicators. This was the last task to be implemented under this WP, and it was finalised in September 2022.

The deliverable provides a series of KPIs for both ILOs and ICOs. The most striking aspect on the ILO KPI is that the deliverable doesn't mention georeturn. Although this is an important KPI from the perspective of many of the ILOs' employers, it can also hamper innovation, so therefore it was kept out of the recommendations.





Zangenberg continued his presentation on WP3 engagement with the community. He reminded the Focus group that were used as good way to keep the community together around specific topics. WP3 had the opportunity to present the proposed strategies during two major events ENRITC took part of: BSBF 2022 in Granada where the results were discussed with ILOs, and during ICRI where discussions were more engaged with the ICOs. He highlighted the importance of communication to disseminate the strategies and ensure continuity with the work that has been done.

Collaborations with WP5 were very important as it allowed the dissemination of five key messages that were published in the form of articles linked to the relevant deliverables. Each article had been published on the ENRIITC website but also on the social media and newsletter.



Screenshot 3: the 5 key messages from WP3 deliverables

Lastly, Zangenberg presented the sustainability of the WP. All the proposed strategies are available on the ENRIITC website and will remain public after the end of the project. They form reference documents to be used by the partners, stakeholders and PERIIA.

The recommendations about integration of RIs into innovation ecosystems had been adopted and will be the topic of possible future funded project.

Finally, the Hub model has become central in the discussion of the ENRIITC sustainability.

QUESTIONS/COMMENTS

Juanjo Dañobeitia asked whether the KPIs for ILOs and ICOs should be connected. Zangenberg reminded him that ICOs and ILOs are very different and the focus should thus be different when defining the KPIs.



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Gerard Cornet added that there is a common ground which is what needs to be further explored. However, the essence of the roles is different. Ed Mitchell emphasised on the broad possibilities of each of the roles as well (ex. ILOs can embrace many possibilities when others remain extremely focused. Same goes for the ICOs).

Anton Ussi also commented that some people are not aware that they are ICOs. ENRIITC can help them to realize their own task/and to round out/fully formulate the position with external resources. ENRIITC also has the capacity to support other RIs with the development of their strategies as well as understand the possible interactions with the ILOs. Joubert agreed also adding that ENRIITC can bring value to those RI who are new to engaging with industry, while still serving those already engaged.

9.3.5 Work Package 4: Raising Awareness and Demonstrating Impact of Research Infrastructure-Industry Engagement | Objectives, achievements, and impact / Q&A Ed Mitchell, Head of Business Development, ESRF

Ed Mitchell started the presentation of WP4 by reminding the GA representatives of its aim: to demonstrate the quality, performance and impact of the engagement actions through training, case studies and industry events. He reminded about all the milestones and deliverables that were expected under the WP and which have all been achieved according to plan.

Task	Deliverable / Milestone	Due date	Delivery date
T4.2	MS07: List and calendar of training webinars	M18	M18
T4.3	MS08: List and calendar of pilot brokerage events	M18	M18
T4.2	MS10: First innovation case study presented to panel of	M30	M22
	relevant companies		
T4.1	D4.1: Pilot training sessions evaluation report	M30	M30
T4.3	D4.2 Summary report on pilot brokerage events	M31	M31
T4.1	D4.3 Report on representative industry innovation case	M31	M31
	studies		

Task 4.1: Implementation of RI-initiated innovation showcase studies

Mitchell gave an overview of the case study deliverable. The case studies were collected with a focus on Sustainable Development Goals, and disseminated through the booklet prepared under WP5 (figure 5 below). The cases cover industry as a user, as a supplier and as a collaborator.



Task 4.2: Implementation of ILO/ICO training and organisation activities

Table 6: List of ENRITC your Knowledge training webinars that have already taken place

A total of 8 webinars took place, aiming to build the networking, to train and outreach. The last two took place since we last met, respectively on 24 February and 12 May. There have been over 300 attendees. Although some may have been the same participants, the number remains quite high, with a good mixture of ILOs and ICOs. The ratings for all the webinars were systematically very good. Also the questionnaire sent after each webinar helped shaping the related deliverable, but also collect topic suggestions for future trainings, including relevant ones.

Season	Date	Webinar title
1	27.05.2021	The ILO and ICO roles for beginners
1	10.06.2021	The basics of physical brokerage events for first time organisers
1	18.06.2021	Industrial impact in the Big Science market after one year of COVID pandemic
1	21.06.2021	Tips & Tricks to organise interactive digital events with industry and RIs
2	14.10.2021	Strategies for SME interaction and participation
2	25.11.2021	Exploring new avenues for ILOs: knowledge transfer to industry and use of research infrastructures
2	24.02.2022	Resolving on issues on the path to public-private collaboration
2	12.05.2022	Broadening the scope towards an enhanced ENRIITC ILO & ICO network







■ ILO ■ ICO ■ Other

Λ

5

6

9

Recordings of the eight training sessions are available for viewing on the ENRIITC website on the dedicated <u>ENRIITC your Knowledge page</u> and on the <u>ENRIITC YouTube channel</u>.

Task 4.3: Implementation of industry events

1

2

3

The objective of T4.3 is to test the strategy for the outreach and brokerage events as developed in T3.3 through pilot brokerage events. Ten brokerage events were planned to take place in total with five being organised by the beneficiaries and five being organised by the Associates.

In regards to the beneficiary-organised events, all the five have taken place, the last two since the last GA.

Table 7: Status of the beneficiary-organised pilot brokerage events under T4.3

Organiser	Title of event	Date	Status	
ESRF	ESRF in partnership with French MESR and	18.11.2021	Took place;	
	other French RIs: "RIs for Healthcare"		Report completed	
ESS	ESS in partnership with TechConnect: "Big	17.11.2021	Took place;	
	Science Summit"		Report completed	
Big Science	"Pan European Partnering in Big Science"	08.02.2022	Took place;	
Sweden			Report completed	
EATRIS	"Artificial Intelligence and Machine	30.06.2022	Took place;	
	Learning Revolution in Health Care"		Report completed	
CDTI	"The role of the Big Science industry in the	06.07.2022	Took place;	
	face of the new healthcare challenges"		Report completed	

In regards to the Associate-organised events, a call for action was launched in April 2021 titled "ENRIITC your Industry Outreach" calling for ENRIITC partners to come up with proposition to organise pilot brokerage events using the ENRIITC training programme as a basis. Five applications were received by the call deadline of 31 August 2021. They all took place after the last GA.





All the events were very different on the proposed topic but also in the size, type of event, etc. They were all very successful apart one which failed due to time set up to assess and match requests. Reports have been submitted and included in deliverable "D4.2 Summary report on pilot brokerage events."

Table 8: Status of the Associate-organised pilot brokerage events under T4.3

Organiser	Title of event	Date	Status
DARIAH ERIC	Workshop for Social Sciences and	11.03.2022	Took place;
CLARIN ERIC	Humanities		Report completed
EMBRC	EMBRC Clinic fostering EMBRC'S links	13-	Took place;
	with Industry	23.06.2022	Report completed
ESO ILOs	E-ELT Instruments Industry days	07.04.2022	Took place;
			Report completed
INEUSTAR	Big Science industry workshop – National	26.04.2022	Took place;
	research infrastructures: Supply and		Report completed
	collaboration opportunities for industry in		
	particle physics, astronomy and fusion		
INSTRUCT	Driving innovation Through Structural	17.03.2022	Took place;
ERIC	Biology Services		Report completed

Mitchell pursued with the sustainability of the WP after the end of the project. The webinars are available for replay on the ENRIITC You tube channels and website, and according to the current statistics, there is quite a good replay rate. The case studies are available on printed form, PDF and website. The pilots have been tested and reports are publicly available.

There could be further case studies to be collected and disseminated, as well as webinars (a list of possible topics has been collected). Those two would require an animator, and speakers would be needed for the webinars. Case studies are highly demanded by industry who systematically requests examples.

QUESTIONS/COMMENTS

Ussi commented on the relevance of the webinars as a nice way to keep the network going. This activity has the double effect of being a learning platform and community building. He highlighted to look at the 'low-cost' activities that can be done after the end of the project.

Joubert agreed, and also added that the case studies can also be another low-cost way to maintain communication with the network. Vinnova has recently shared with ENRIITC two reports containing more than 80 cases ready for dissemination. They can serve as a starting case study database. A communication planning can be discussed to see how to best disseminate them.

Belen also added the importance of remain engaged with PERIIA.





9.3.6 Work Package 5: Communication, Dissemination, and Exploitation | Objectives, achievements, and impact / Q&A Jake Fairnie. Head of Communications. EATRIS

Table 9: List of WP5 deliverables and milestones

Task	Deliverable / Milestone	Due date	Delivery date
T5.1	D5.1 "Website launched"	M02	M02
T5.1	MS01 "Creation of Twitter and LinkedIn group	M03	M03
T5.1	MS02 "Creation of YouTube Channel	M03	M03
T5.1	MS04 "Communication plan"	M04	M05
T5.2	D5.2 "Informational booklet of case studies and advocacy	M33	M33
	paper"		

Jake Fairnie began the WP5 presentation by reminding the GA representatives of its aims: to communicate and disseminate project results clearly to the various stakeholders via the website, newsletters and various social media platforms, to implement the ENRIITC communication plan to engage stakeholders, and to ensure high visibility of ENRIITC through social media and teaming up with existing initiatives and large-scale projects in Europe.

WP5 main activities to meet the goals were to:

- Implement and update the ENRIITC communications plan
- Create communications materials to feed website, the newsletters, and social media
- Keep updating the website and regularly publish new content
- Grow audiences on social media platform
- Send a fortnightly newsletter
- Disseminate and cross-promote our 'partners and associates' activities and events
- Onboard a dedicated comms, social media and event assistant.

In total over the project, there have been 39 #ENRIITCyourCoffee online meetings, 8 #ENRIITCyourKnowledge training webinars, 5 #ENRIITCyourIndustry Outreach, and 5 brokerage events. There have been many collaborations with the different WPs on designing deliverables (ex. D2.1).

Fairnie continued with giving further details on the above highlights. The website has served as the central hub for the project communication activities both for showcasing and archiving everything related to the project. WP5 also produced deliverable 5.1, the booklet provides single results of collaboration between RI and industry. There has been high visibility on the different events organised by ENRIITC (IndTech, BSBF, ICRI...).

D5.2 contains selected case studies of RI and industry collaboration to inspire and encourage further cooperation. Paper version of D5.2 booklet of case study and advocacy paper was prepared. The brochure was distributed widely during the BSBF in Granada. A collection of company and RI case studies were also presented to the host institutions in Kiruna. Each of the partners also received a number of copies for further distribution.

WP5 also ran a number of campaigns where WP5 was involved in creating material and content to be published on the different channels, but also shared with our partners and network members. As





example Fairnie presented the different campaigns, including the Memorandum of Understanding and the RIs and industry case studies, and the testimonials campaign.

Fairnie then showed the project analytics which provide insightful information about the impact of the project. The results show the project has been performing well.





Screenshot 4: WP5 - project analytics

Fairnie presented the achievements of the WP against the initial goals. Each of the goals have been reached and the continuous growth of the network as well as the analytics previously presented confirmed the successful implementation of WP5 as a support to the project success.

WP5 has also been strongly engaged in collaborations at different levels: with all the other WPs, to engage with new participants, exchanging with other EU projects or RIs, increasing engagement with our partners, and other stakeholders who were regularly looking for support to cross promotion and dissemination. This later stands as a testament of the established ENRIITC network.

Lastly, with regard to the project sustainability Fairnie broke it into two main categories:

- The website that would require minimum fixed costs for maintenance of the hosting server.
 It will also require some technical development work (plugins updates, new page design...), as well as the need to add new content to keep up-to-date.
- Social media where the LinkedIn public page, Twitter and Youtube can be kept live at no cost.

QUESTIONS/COMMENTS

N/A





9.3.7 Conclusions and Endorsement by GA

Anne-Charlotte Joubert, Grant Officer - ENRIITC Project Coordinator, ESS

To officially close the GA meeting, Joubert asked each of the GA representatives if they agree with the following message:

"12 December 2022. Kiruna: The General Assembly of the H2020 ENRIITC project, in its annual meeting, has taken note of the presentations by the ENRIITC Steering Board and approves the technical and financial progress presented for its last year of operation."

All representatives agreed, thus the Fourth ENRIITC General Assembly meeting was approved.



9.4 ENRIITC future – workshop

The aim of the workshop was to discuss the future of the Network as from 1 January 2023. Deliverables 1.5 and 1.7, respectively on the sustainability of the network and the memorandum of understand shape the future, however concrete discussion on the activities to be planned and the engagement of the partner are necessary to plan the first months following the end of the project.

A proposed workplan was shown by the project coordinator. The workplan presented a series of activities that could be implemented during 2023. Some of them already being confirmed, such as the participation of ENRIITC during the ESTEEM3-project innovation strategy workshop to be held in January, the ENVRI week, both to be held in January. The possibility to host an ENRITC meeting during ASTP annual conference in May, etc.

The partners also discussed the opportunities offered by the different on-going and upcoming EUfunded projects with whom synergies could be foreseen (ex. ERIC Forum2, RITIFI).

Joubert invited all the partners to also inform about their capacity to engage as from January, both in terms of resources and in type of support.





The consortium will reconvey in the first weeks of January to finalise the discussion. Hosting an ENRIITC2.0 meeting during ASTP is considered as a good option to kick the future of the project officially holding a 'General Assembly' meeting, where a chair would be elected.

9.5 ENRIITC meets the Space industry



Picture 3: ENRIITC General Assembly representatives and consortium partners at the Kiruna Space Campus

9.5.1 Preparatory meeting on Friday 9.12

On Friday 09 December, project coordinator Anne-Charlotte Joubert had a preparatory meeting with EISCAT designated director Axel Steuwer, Lulea Teknisk University Professor and Head of Subject Space Systems René Laufer, and Olle Persson CEO to build a centre of excellence for LTU. The aim of the meeting was to align on the programme and review the practicalities as well as to plan the different presentations with regard to the local context in line with the ENRITC project and expectations. Possibilities on future collaboration where also discussed, especially with regard to the Horizon Europe work-programme as well as the upcoming Swedish Presidency.

9.5.2 Kiruna Space Campus

On Monday afternoon the ENRIITC General Assembly representatives and consortium partners were invited to Kiruna Space Campus for a meeting with Axel Steuwer, designated director of EISCAT, Olle Norbeg, Director-General of the Swedish Institute of Space Physics and René Laufer Professor and Head of Subject Space Systems at LTU.







Picture 4: Olle Norberg Director General of Institutet for Rymdfysik (IRF)

The meeting was concluded by a site tour on the campus led by Professor René Laufer. Kiruna Space Campus brings together EISCAT, IRF and LTU under the same roof, and works in close collaboration with ESA incubator and accelerator. They also have close contact with Esrange which is located only few kilometers away. This constellation allows a strong connection between the research and innovation ecosystems, and is one of a few of its kind in the world (related to Space).





Picture 5: Professor Rene Laufer during the Site Tour of LTU

9.5.3 Esrange Space Center

On Tuesday morning the ENRIITC group were given the unique opportunity to be hosted by the Swedish Science Corporation for a meeting with Mattias Abrahamsson, Business Development Director at SSC, and Philip Påhlsson, VP of strategy and innovation Science Services at SSC. The presentations were extremely detailed and interesting about the development of Swedish space activities, that started already more than 50 years ago. SSC provides services encompassing scientific support, launching payloads with balloons and sounding rockets, satellite ground station services, spacecraft operations and engineering, as well as data analytics. Important reminders also on the impact of Space research and data for society at different levels: mobility, climate, civil protection, etc.



Picture 6: Mattias Abrahamsson (in yellow vest) and Philp Påhlsson (to the right) in the launching room

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After a thorough introduction the bus took us for an extensive site tour around the space center to see the actual launch sites for sounding rockets and balloons.

9.5.4 Abisko Scientific Research Station

On the afternoon of the 13 December, a meeting was organized with Emily Pickering Pedersen, Administrator and laboratory coordinator. The Scientific Research Station created in 1913 is a key research facility in the artic region for studying climate change, allowing to provide data for over 100 years. The station offers the possibility to study different environment variable, and performs monitoring in the areas of hydrology, water chemistry, flora and fauna, as well as phenology, geomagnetism, and atmospheric carbon isotope composition. Engagements with industry were presented and mostly concerns the supply side. However, Pickering Pedersen was very interested in learning more about the ENRIITC project and its recommendations on how to better engage with industry, in different levels. The participation of EISCAT and EMSO, two ESFRI RI in the environment domain, certainly provided good insight to Pickering Pedersen, and connections were established for further discussion.



Picture 7: Emily Pickering Pedersen, Swedish Polar Research Secretariat

9.5.5 Conclusion

These two-day meetings were very insightful for the ENRIITC consortium, and all the case studies presented showed different ways and perspectives in the RI-industry engagement. Indeed, the Kiruna Space Campus showed the importance of the ecosystem and the establishment of synergies and collaboration between the stakeholders from research to innovation, Esrange and the SSC was a great





example of creating business and innovation from science, and the Abisko Research Station offered opportunities to envisage support for further engagement with industry. This project closing was an opening to the future of ENRIITC.



Picture 8: ENRITC General Assembly representatives and consortium partners at ESRANGE



