

D5.7 RUN-EU RDI MOBILITY PROGRAMME ANNUAL ACTIVITY REPORT (2)

(M10-36 August 2022)

(Technological University Shannon (TUS, WPL)

(IPCA, WPCoL)

Table of Contents

1. RUN-EU International Research Development and Innovation Mobility Programme.....	3
2. RUN-EU International Research Development and Innovation Mobility Programme Activities	5
2.1 Mobility Composition	5
3. RUN-EU International Research Development and Innovation Mobility Programme Summary of Emerging Cooperation Opportunities.....	12

List of Images

Image 1- Mobilities by Research Area Cluster	9
Image 2- Mobilities by Host Institution.....	9
Image 3- Successful Applicants by Gender.....	10
Image 4- Successful experienced/early career stage researchers by Host Institution	10
Image 5- RUN-EU 8 future-looking joint RUN-EU RDI teams indicative research areas	12

List of Tables

Table 1- Discovery Programme Research Mobilities Summary	5
Table 2- Breakdown of mobility applications by RUN-EU Partner to date	8
Table 3- Breakdown of mobilities taken place to date and have yet to take place.....	8
Table 4- Group Exploratory missions including research and researcher exchange	13
Table 5- RUN-EU WP5 Discovery Programme Meetings.....	13
Table 6- RUN-EU research partnership projects submissions.....	17

1. RUN-EU International Research Development and Innovation Mobility Programme

RUN-EU is committed to building research capacity and scale and development of a sustainable research culture and innovative ecosystem across the University through the eight established research clusters areas and the three European Innovation Hubs. There are several critical area action areas for success which involves growing a dynamic, responsive and agile researcher ecosystem that combines a broader regional-focus matching the strategy vision of RUN-EU but with an eye towards a global orientation and the horizon Europe research and innovation program in particular. The free movement of knowledge is a priority for RUN-EU while investing in knowledge and innovation will lead to greater job opportunities and more rewarding careers for our researchers, ultimately helping to deliver a 'borderless European Research Area'. 'New knowledge and technologies are not the result of an anonymous production process. They are rather the outcome of individual scientific and inventive personalities'¹.

Internationalisation of our research activities enhancing researcher mobility and multi-cultural engagement through a strong international strategic research mobility partnership model is enhancing research capacity and scale across RUN-EU. It ensures the sustainability of our research models and help us to develop existing and recruit new researchers, internally from staff and externally from national and international contributors and collaborators. Further it has allowed us to leverage our existing successes and associated partnership networks to foster further growth, for example, via Horizon Europe through optimisation of the structures, systems and human capital.

The Discovery programme is promoting cross-disciplinary work to further enhance socioeconomic impact of our research. It is enabling growth of cross-cutting networking both in and between our faculties and research clusters for staff research development that optimises links with established national and international academic partners. The mobilities have begun to strengthen the collaborative efforts our innovative researchers involving bilateral (Discovery Programme) and multilateral relationships (Group Exploratory Missions; Horizon Europe; Creative Europe; Erasmus⁺) and collaborations within and across the research cluster area and European Innovation Hub disciplines. These mobility visits allow strengthening development of new networks and personal contacts facilitating knowledge transfer and the generation of novel innovative societally impactful ideas. Through the work of the coordinated support action RUN-EU PLUS project we have initiated the provision of state

¹<https://www.oecd.org/sti/062%20-%20Schiller-Cordes-Researcher-Mobility-final.pdf>

of the art supports and training for graduate student researchers and academics for research development.

Aligned to the Ljubljana process² international cooperation in research and innovation these mobility projects bring together the different skill sets of the RUN-EU participants to increase cooperation in international science and innovation cooperation.

The initial proposed RUN-EU international RDI internship mobility programme included three main types of activities:

- i)** 4-week mobility for research staff – 72 grants available in total, with a predicted distribution of 9 grants per partner;
- ii)** 12-week mobility for research staff - 24 grants in total, with a predicted distribution of 3 grant per year to each partner; (we have requested via the project officer to redistribute these single 12 week mobilities as three 4 week mobilities);
- iii)** 4-week mobility for research and postgraduate students – 72 grants in total, with a predicted distribution of 9 grants awarded to each partner.

A critical elemental part of the Discovery programme process is the collation of information and preparation of the annual activity report to evaluate the mobilities as well as to identify potential emerging cooperation opportunities for RUN-EU research teams particularly within the Horizon Europe research and innovation and research areas but also across the other funding mechanisms e.g., Creative Europe, Erasmus⁺ etc.

We will monitor for the acquisition of skills that should strongly enhance the applicant's prospects of reaching a position of professional maturity, diversity, and independence. Regarding scientific skills, the required acquisition of new knowledge, will clearly help the candidate researchers to diversify their current profile and provide them with an excellent background for further career developments in their chosen research fields.

² http://ec.europa.eu/research/era/partnership/process/ljubljana_process_en.html

2. RUN-EU International Research Development and Innovation Mobility Programme Activities

The Discovery internship mobility programme is designed to promote interinstitutional research missions at all levels within the consortium, with the first call for research mobilities launched across the consortium in Autumn 2021 although we were still encountering issues with travel and restricted movement due to Covid-19. Proposals were evaluated based on the award criteria 'excellence', 'impact' and 'quality and efficiency of the implementation'. Funding for these mobility activities was approved based on an application and evaluation process managed by each partner, which will consider the work plan and objectives of the mobility action, how it will strengthen the network, the relevance of the RDI area and the expected impacts on the social and economic development of the regions.

2.1 Mobility Composition

The following tables and graphs below provide a summary of partner mobilities which were successful to date.

Table 1- Discovery Programme Research Mobilities Summary

RUN-EU Partner	Programme Launch Date
Technological University of the Shannon (TUS)	15/12/2021
<p>Brief Description of Mobilities:</p> <ul style="list-style-type: none"> • This work is a part of an experimental setup covering algal cultivation in different light conditions, and analytics of various chemical compounds of produced biomass • This proposed research project will comprise a central component in the creation of an IDEAM Cluster Impact Model that can be used to secure and inform the future of both the IDEAM Cluster and other similar cluster models across Ireland and the rest of Europe. • Investigating biofortification of plants with selenium, and other important nutrients, through agronomic practices via hydroponic production. • Investigating how SMEs can utilise Long-term Orientation as a driver for Sustainability and Entrepreneurial growth. • Examining the impact of clusters on entrepreneurship and economic growth in European regions through an employment-based methodology with the Irish Digital Engineering and Advanced Manufacturing (IDEAM) Cluster. • Enhancing knowledge/expertise involving terpene and cannabinoid chemical composition of cannabis/hemp plants and plant extracts. • Developing a decentralized ledger platform to enable heterogeneous robot collaborations with a tolerance of network partition and malfunctioned or byzantine nodes. 	

- Developing opportunities for cross multi-disciplinary research collaboration and engagement activities on economic, social, cultural and environmental sustainable development.
- Addressing tourism and poverty under the RUN-EU mobility program.
- Examining the implementation of sustainable and green practices in the Portuguese hotel industry and to determine the adoption, utilization, and effectiveness of indicator systems for measuring and monitoring sustainability performance in hotels in Portugal.
- Acquiring knowledge regarding the development of tourism sustainable practices and the role of the stakeholders in such development.
- Mobility project addressing the importance and need of digital innovations and skills, especially, blockchain technology, in academic career development
- Experimenting with novel methods for detection of anomalies in the smart factory data. It
- Practical research activity for the development of scientific skills (new techniques, instruments, research integrity, 'big data'/'open science').

Research Area Clusters:

- Food & Biotechnology
- Smart, Sustainable and Advanced Manufacturing
- Education & Social Sciences
- Tourism
- Climate Change, Circular-Economy & Decarbonization
- IOT & Cybersecurity

FH Vorarlberg University of Applied Sciences (FHV)

24/02/2022

Brief Description of Mobilities:

- Organisation of Science Communication to the general public
Goal: Working on collaborative scientific contributions
- Projects and Measures to Promote Volunteering by Senior Citizens in Ireland
Goal: Establishing new and strengthening existing scientific networks
- Bioeconomy and Circular Economy – Partnership for the future in plastic industry
Goals: Organisation of scientific/training/dissemination events (SAP)
Establishing new or strengthening existing scientific networks
- Comparative case study of community renewable energy initiatives in Ireland and Austria
Goal: Working on collaborative research proposals or scientific contributions.

Research Area Clusters:

- Education & Social Sciences
- Climate Change – Circular Economy & Decarbonization

Széchenyi István University (SZE)

Programme is currently underway with first mobilities expected to commence at beginning of AY 2022/2023

Polytechnic of Leiria (IPL)

23/02/2022

Brief Description of Mobilities:

- TITLE: How a designer with a specialization in Design for Health and Wellbeing can perform in Portugal, bringing new ideas and insights to our country and region.
The goal of this Mobility Program is to understand the role a Designer for Health and Wellbeing can play in a Portuguese society, comparing, comprehending, and learning what is done by researchers at the Research Centre for User-Centred Technologies (UCT) at the FH Vorarlberg.

- TITLE: SafeTrack - miniaturized wireless devices for continuous monitoring of users in the emergency department.**
Getting acquainted with the technology and sensors for physiological variables, currently being developed at AIT will help to consolidate what is being developed at the SafeTRACK project with the open possibility of establishing an international collaboration to scale-up the project internationally. Fabian also intends to test usability and feasibility of the Safetrack project in an international context and to assess the putative attention the project may draw in our colleagues from TUS.
- TITLE: Changes of the socio-economic integration of LGBTI+ people in peripheral territories: a comparative analysis of Portugal and Ireland**
This project aims to promote a collaboration between the Polytechnic of Leiria (IPLeiria) and the Technological University of the Shannon: Midlands Midwest (TUS) under the Regional University Network - European University (RUN-EU) on the topic of the challenges of the socioeconomic integration of LGBTI+ people in peripheral (or less central) territories (i.e., outside bigger cities).
- TITLE: Short-term intervention program based on digital serious games**
This research line intends to change the current practices on nursing homes/residential care home facilities for older people, in order to understand and develop knowledge regarding the use of digital motion detection technologies, in active aging promotion through digital motion-based video games (exergames).
- TITLE: CBmeter- a new medical device for screening metabolic diseases**
The main goal of this mobility is to explore new concepts and ideas that can be implemented in the CBmeter project and share methodologies commonly used by Nutritionists in Portugal as a way to share and expand our knowledge.
- TITLE: Development of research PhD in Tourism and hands-on training activities for developing scientific skills.**
Understand the interactions between the different factors that have an influence on the tourists' purchasing decision.
- Identify the variables that are integrated with each dimension and how they interact with each other.
- Develop a tool that supports strategic decision-making by the different agents involved in the tourism industry
- Understand the advantages and disadvantages that may arise from the use of this tool for the different agents
- TITLE: Development of a comprehensive digital health solution to improve COPD patients' self-management**
There has been growing interest in the development PA behaviour change interventions to foster the adoption and the maintenance of active lifestyles in patients with COPD. Although various digital health approaches and other strategies such coaching/counselling have been studied to improve patients' PA levels and encourage self-monitoring, evidence on its benefits is still limited. This project aims to develop a comprehensive digital health solution to improve COPD patients' self-management, including symptom and medication.
- TITLE: Develop new tools for early and effective detection of cardiorespiratory adverse events in an emergent context**
Assessment of physical condition and diagnosis of possible pathologies through CPET, as a health professional, the RF considers it essential to develop extensive knowledge in PA assessment, as well as a fluent domain of all assessment methodologies in this area, contributing also to provide a basis for subsequent research career choices and opportunities, always aiming the benefit of society.

Häme University of Applied Sciences (HAMK)	27/04/2022
NHL Stenden University of Applied Sciences (NHL Stenden)	21/02/2022

Polytechnic Institute of Cávado and Ave (IPCA)	04/07/2022
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Table 2- Breakdown of mobility applications by RUN-EU Partner to date

Partner	Number of student applications received	Number of students successfully offered	Number of staff applications received	Number of staff successfully offered
TUS	11	11	5	5
FHV	0	0	4	4
SZE	0	0	0	0
IPL	10	5	9	3
HAMK	0	0	4	4
NHL Stenden	0	0	0	0
IPCA	0	0	0	0

Table 3- Breakdown of mobilities taken place to date and have yet to take place

Partner	Number of student mobilities taken place to date	Number of student mobilities yet to happen	Number of staff mobilities taken place to date	Number of staff mobilities yet to happen
TUS	8	3	4	1
FHV	0	0	0	4
SZE	0	0	0	0
IPL	0	5	0	3
HAMK	0	0	0	4
NHL Stenden	0	0	0	0
IPCA	0	0	0	0

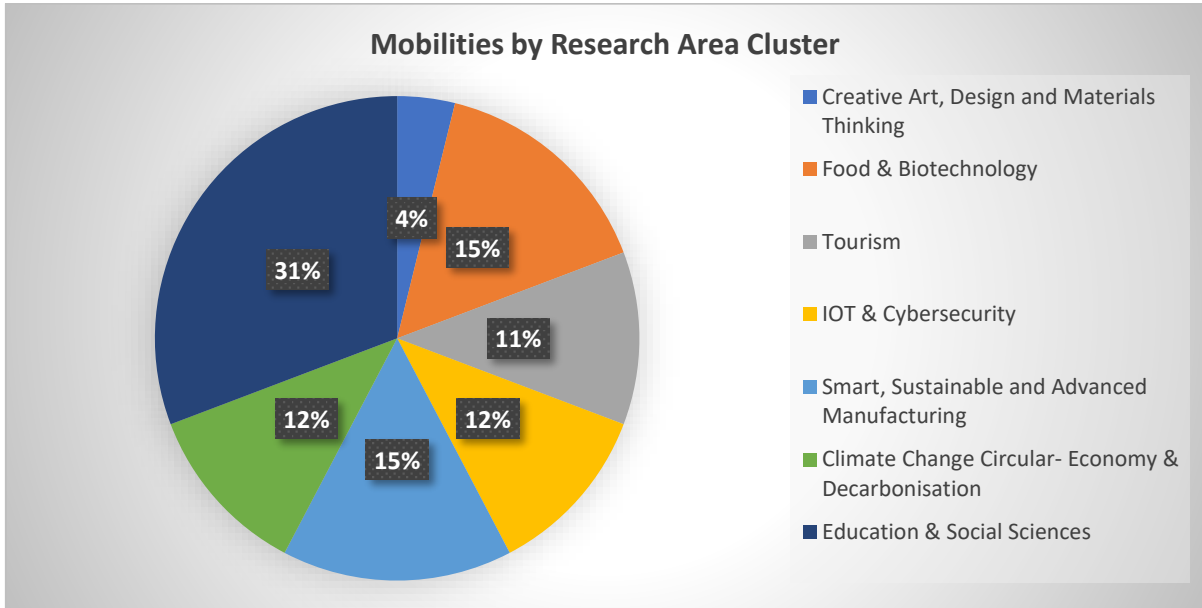


Image 1- Mobilities by Research Area Cluster

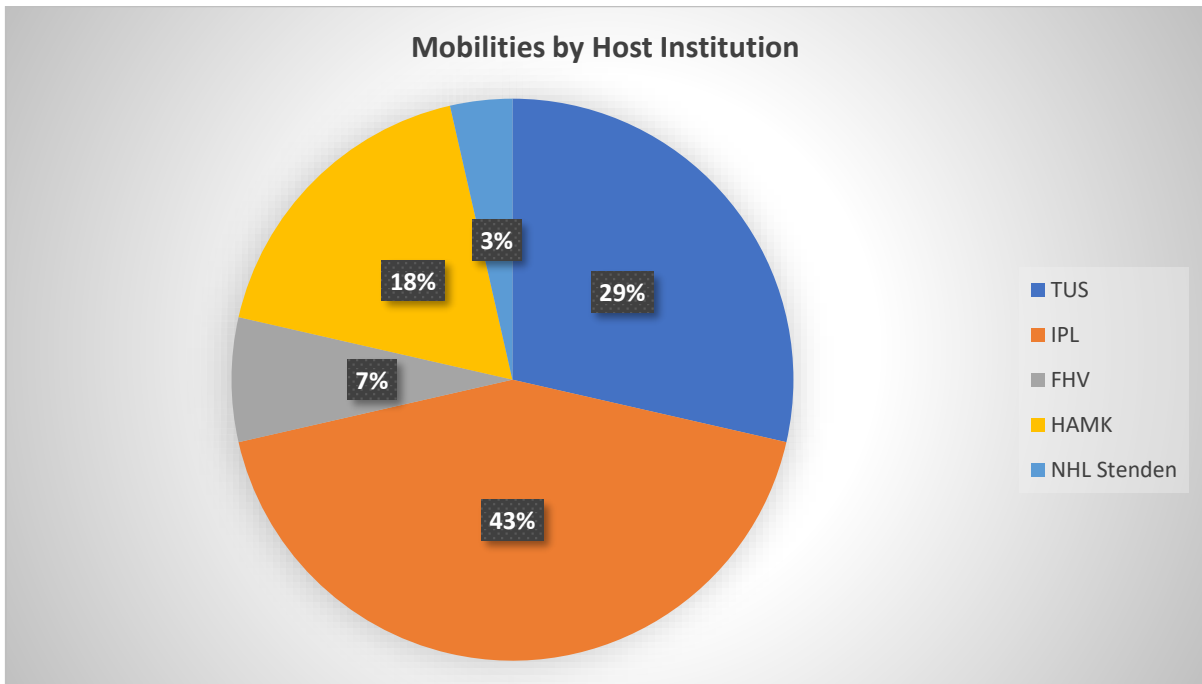


Image 2- Mobilities by Host Institution

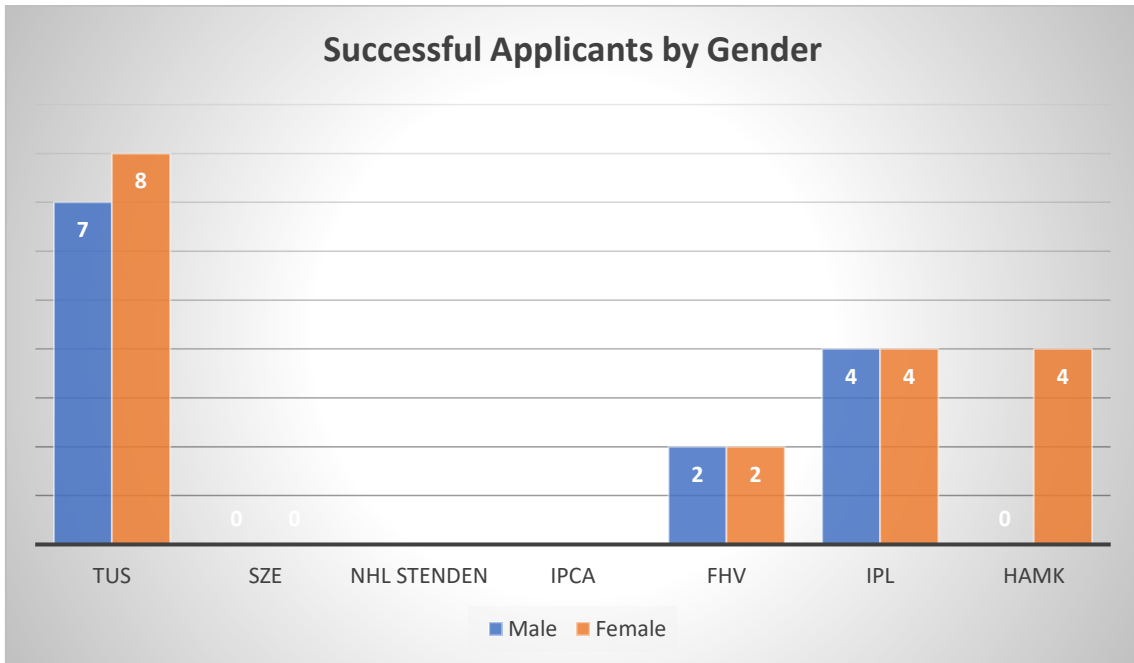


Image 3- Successful Applicants by Gender

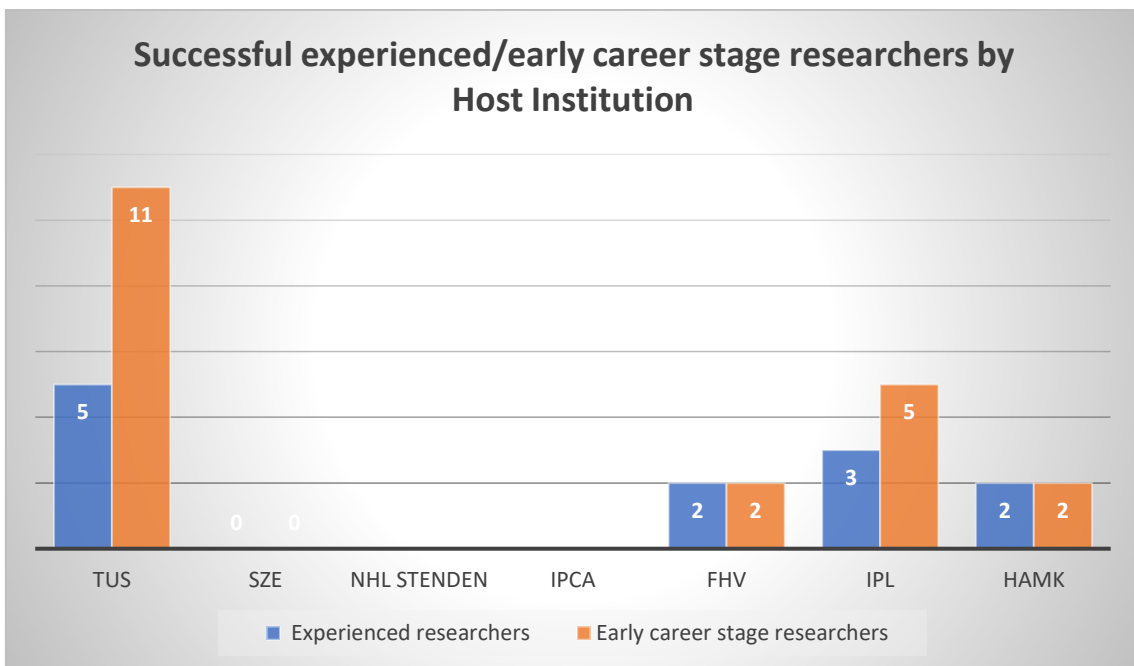


Image 4- Successful experienced/early career stage researchers by Host Institution

Our mobility programme provides networking opportunities for researchers and innovators to address Horizon Europe scientific, technological, and societal challenges, and empowering independence of our young researchers and innovators. Early-stage researchers as part of the internship programme promotes career development, research independence and consortium development. Participating students and researchers will have to provide a mission report on their experience and activities (see report template below).

RDI Mobility Evaluation Report

Please note this report needs to be completed by all staff and students undertaking a Research Mobility

Evaluation of Research Mobility Undertaken

Outcomes

- Describe the main outcomes of this Mobility (preferably in bullet format)
- Describe the quality and appropriateness of the Mobility and of the two way transfer of knowledge between the researcher and the host:
- Describe the Quality of the supervision and/or of the integration in the team/institution

IMPACT

- Was the Expected impact of the planned research and training realised (i.e. the added value of the fellowship).
- Outline the proposed measures to exploit and disseminate the project results:
- Detail how the Research Impact is relevant to the RUN-EU research areas:

QUALITY & EFFICIENCY OF THE IMPLEMENTATION

- Outline the next steps to implement the outcomes of this Research Mobility
- Please indicate if any synergies were established for future collaboration (e.g. linking Researchers to Researcher, Centers to Centers)

Signature:

Date:

3. RUN-EU International Research Development and Innovation Mobility Programme Summary of Emerging Cooperation Opportunities

RUN-EU sees mobility as critical in strengthening the support systems available to our researcher clusters and innovators. RUN-EU has eight European future-looking RDI teams which meet regularly and in unison with the other clusters as part of the regular WP5 meetings. The goal is to identify emerging cooperation opportunities using a multi-disciplinary approach including the research discovery missions to drive innovation and partnerships. In operationalising RDI activities, through strong collaboration among partners Regional Innovation Clusters and our three European Innovation Hubs we aim to increase and embed sustainable Inter-regional research and innovation projects across the RUN-EU alliance.



Image 5- RUN-EU 8 future-looking joint RUN-EU RDI teams indicative research areas

To circumvent the previous extensive limitations and current limitations of travel due to Covid-19 the RUN-EU Management Committee decided to pursue Exploratory Missions resulting in a change from bilateral Exploratory Missions to subject specific Group Exploratory Missions. GEMs were organized, based on the different domains within the partner universities. To date GEMs have been hosted across all RUN-EU participant universities with two-hundred-sixteen academic, administrative, research and student participants from varying departments and faculties, also across the eight research cluster areas and the three overarching RUN-EU thematic areas of Future Industry and Sustainable Regional Development, the Bio-economy and Social Innovation (**Table 4**).

Table 4- Group Exploratory missions including research and researcher exchange

<i>Subject area</i>	<i>Organiser</i>	<i>Time period</i>
<i>Arts & Design</i>	TUS Midwest	26.04.2022 – 27.04.2022
<i>Built Environment</i>	TUS Midwest	20.09.2022 – 21.09.2022
<i>Hospitality & Tourism</i>	NHL Stenden	22.03.2022 – 23.03.2022
<i>Business & Management</i>	HAMK	05.04.2022 – 07.04.2022
<i>Engineering</i>	FHV	08.03.2022 – 10.03.2022
<i>Health & Sport</i>	TUS Midlands	08.06.2022 – 09.06.2022
<i>Information Technology</i>	IPCA	13.09.2022 – 15.09.2022
<i>Life & Physical Science</i>	TUS Midlands	08.06.2022 – 09.06.2022
<i>Social Sciences and Education</i>	IPL	10.05.2022 – 12.05.2022
<i>Agriculture & Food</i>	SZE	05.04.2022 – 07.04.2022

The GEMs facilitated research and researcher exchanges as part of the overall two-day programmes aligned generally with the RUN-EU Discovery Programme research cluster areas and European Innovation Hubs in development of potential areas for cooperation in multi-partner research projects particularly with the Horizon Europe, Erasmus+ and Creative Europe etc. funding programmes. Together with the regular research cluster meetings, the European Innovation Hub meetings and the GEM mission meetings, the RUN-EU WP5 discovery program has been able to initiate the mobility programs detailed above and several nation and international cooperation partnership research area specific and interdisciplinary funding applications between two or more of the partners to various research and funding agencies and are detailed in **Table 6** below.

A series of RUN-EU WP5 Discovery Programme meetings have taken place to date where emerging cooperation opportunities for the RUN-EU eight European future-looking RDI teams was discussed between RUN-EU partners. **Table 5** presents a summary of the meetings to date.

Table 5- RUN-EU WP5 Discovery Programme Meetings

Meeting Date		Attendees	Relevant Meeting Agenda Items
17 February 2021	TUS	Patrick Murray, John Cosgrove, Liam Brown, Joanne Prout, Marie Brophy	<ul style="list-style-type: none"> • Consortia Collaboration success – RUN – EU+ • Joint collaborative PhDs
	FHV	Hans-Jürgen Lofner, Heinz Seyringer, Kathrin Cometto	
	HAMK	Jukka Pulkkinen, Annukka Pakarinen	

	IPL	Nuno Rodrigues, Maria Guarino, Marco Lemos, Marta Santos	
	NHL	Marije Boonstra	
	IPCA	Adriana Carvalho, João Vilaça, Patrícia Gomes, Paula Tavares, Sonia Monteiro	
	SZE	Szakonyi Petra	
	HEA	Ruaidhri Neavyn	
24 March 2021	TUS	Patrick Murray, John Cosgrove, Liam Brown, Joanne Prout, Marie Brophy, Jane Burns, Declan Devine	<ul style="list-style-type: none"> Next potential Collaborative opportunities
	FHV	Hans-Jürgen Lofner, Heinz Seyringer, Kathrin Cometto	
	HAMK	Jukka Pulkkinen, Annukka Pakarinen	
	IPL	Nuno Rodrigues, Maria Guarino, Marco Lemos	
	NHL	Jan van der West	
	IPCA	Adriana Carvalho, Patrícia Gomes, Paula Tavares, Sonia Monteiro	
	HEA	Ruaidhri Neavyn	
18 May 2021	TUS	Liam Brown, John Cosgrove, Patrick Murray, Joanne Prout, Amy Higgins, Marie Brophy, Jane Burns, Declan Devine	<ul style="list-style-type: none"> Next potential Collaborative opportunities
	IPL	Nuno Rodrigues, Marco Lemos	
	IPCA	Adriana Carvalho, Patrícia Gomes, Paula Tavares, João Vilaça	
	FHV	Heinz Seyringer, Kathrin Cometto	
	HAMK	Jukka Pulkkinen, Annukka Pakarinen	
	NHL	Jan van der West, Janneke Metselaar, Wilbert van den Eijnde	
	SZE	Szakonyi Petra	
	HEA	Ruaidhri Neavyn	
15 June 2021	TUS	Liam Brown, John Cosgrove, Patrick Murray, Amy Higgins, Marie Brophy, Jane Burns	<ul style="list-style-type: none"> Next potential Collaborative opportunities

	IPL	Nuno Rodrigues, Marco Lemos, Maria Guarino, Teresa Eugenio	
	IPCA	Adriana Carvalho, Patrícia Gomes, Paula Tavares, João Vilaça	
	FHV	Heinz Seyringer, Kathrin Cometto	
	HAMK	Jukka Pulkkinen, Annuka Pakarinen	
	NHL	Jan van der West, Janneke Metselaar, Wilbert van den Eijnde	
	SZE	Szakonyi Petra	
15 July 2021	TUS	Liam Brown, John Cosgrove, Amy Higgins, Joanne Prout	<ul style="list-style-type: none"> Current & Previous RUN EU Collaborative Projects
	IPL	Nuno Rodrigues, Marco Lemos, Ana Marta dos Santos	
	IPCA	Adriana Carvalho, Patrícia Gomes, Paula Tavares, João Vilaça, Sónia Monteiro	
	FHV	Heinz Seyringer, Kathrin Cometto, Hans-Jürgen Lofner	
	HAMK	Jukka Pulkkinen	
	NHL	Janneke Metselaar	
	SZE	Szakonyi Petra, László Lendvai, Hajnalka Hargitai	
2 September 2021	TUS	Patrick Murray, Liam Brown, John Cosgrove, Joanne Prout, Declan Devine, Jane Burns, Anne Naughton, Maire Brophy	<ul style="list-style-type: none"> Current & Previous RUN EU Collaborative Projects
	IPL	Nuno Rodrigues, Marco Lemos, Ana Marta dos Santos	
	IPCA	Adriana Carvalho, Patrícia Gomes, Paula Tavares, João Vilaça	
	FHV	Heinz Seyringer	
	HAMK	Jukka Pulkkinen, Annukka Pakarinen	
	NHL	Janneke Metselaar	
	SZE	Szakonyi Petra, László Lendvai	
19 October 2021	TUS	Patrick Murray, Liam Brown, John Cosgrove, Joanne Prout, Declan	<ul style="list-style-type: none"> Current & Previous RUN EU Collaborative Projects

		Devine, Anne Naughton, Maire Brophy, Tony Johnson, Amy Higgins, Tania Marsh, Siobhan Moane IPL Nuno Rodrigues, Marco Lemos, Teresa Eugenio, Maria Guarino IPCA Adriana Carvalho, Paula Tavares, João Vilaça FHV Heinz Seyringer, Kathrin Cometto HAMK Jukka Pulkkinen, Annukka Pakarinen NHL Janneke Metselaar, Jan van der West, Hans-Jürgen Lofner	
17 January 2022	TUS IPL IPCA FHV HAMK NHL SZE HEA	Patrick Murray, Liam Brown, John Cosgrove, Joanne Prout, Anne Naughton Maire Brophy, Tony Johnson, Amy Higgins, Tania Marsh, Siobhan Moane Marco Lemos, Teresa Eugenio Paula Tavares, João Vilaça Heinz Seyringer, Kathrin Cometto, Hans-Jürgen Lofner, Markus Preissinger Jukka Pulkkinen, Annukka Pakarinen Jan van der West, Wilbert van den Eijnde Petra Szakonyi Ruaidhri Neavyn	
1 March 2022	TUS FHV HAMK NHL SZE	Patrick Murray, John Cosgrove, Joanne Prout, Anne Naughton Maire Brophy, Tony Johnson, Amy Higgins, Tania Marsh, Siobhan Moane Heinz Seyringer, Markus Preissinger Jukka Pulkkinen Jan van der West Petra Szakonyi, Janneke Metselaar	

3 May 2022	TUS	Patrick Murray, John Cosgrove, Joanne Prout, Anne Naughton, Tony Johnson, Amy Higgins, Siobhan Moane, Liam Brown, Jane Burns	<ul style="list-style-type: none"> RUN-EU Research Area Working Group Updates
	IPL	Marco Lemos, João Pedro Faustino dos Santos, Teresa Eugenio, Nuno Rodrigues	
	IPCA	João Vilaça, Patrícia Gomes, Paula Tavares	
	FHV	Markus Preissinger	
	HAMK	Annukka Pakarinen	
	SZE	Petra Szakonyi	

Summary of co-operation opportunities:

- RUN EU PLUS project- this will support activities in the field of research and innovation. The grant available of an estimated €2 million will enable development of collaborative Professional Practice-Based Research Masters and PhD Programmes across the RUN EU network.
- The User Centered Technologies Research Department (FHV) and the Department of Telecommunications (SZE)- submitted two common proposals into the latest call of the Joint Programme Hungary-Austria of the Austrian Science Fund (FWF) as RUN-EU partners. Both proposals gave the opportunity to employ a doctoral candidate for 30 months.
- The specific research areas of each partner Institutes were discussed with a number of potential joint/collaborative PhDs opportunities being identified. Such collaborations are set out in **Table 6**.
- European Digital Innovation Hubs (EDIHs)- LIT are part of a Consortium that has been designated. RUN EU partners have been represented in the European application.

Table 6- RUN-EU research partnership projects submissions

	Partners	Research Project Title	Funding Body	Award	Status
1	TUS, IPL, IPCA, FHZ, SZE, NHL & HAMK	RUN-EU PLUS- Professional research programmes for business and Society	Horizonte 2021	1,998,061€	Approved
2	FHV TUS	COMENT-Fostering Innovation in Community Led Enterprise Development'	Erasmus+ Programme Key Action 220 Cooperation Partnerships in higher education [KA220-HED]	300,000€	Approved
3	IPL, TUS & Others	STC 4.0 HP - New Generation of Stoneware Tableware in Ceramic 4.0 by High	PT2020 - POCI - Programa Operacional de Competitividade e Internacionalização	984,279€	Approved

		Pressure Casting RobOot work cell			
4	IPL & TUS	MARES- Fostering scientific excellence for a sustainable production and use of marine	Horizon 2021 WIDERA	1.486,671€	Not Approved
5	TUS & IPL	Joint PhD -Film- Induced Tourism in Europe: Impacts and Marketing Strategies	Higher Education Authority Ireland	81,000€	Approved
6	HAMK, IPL, TUS	LYPRA- Low Toxicity Pesticides Risk Analysis	Horizon 2021	7,000,000€	Not Approved
7	IPL & IPCA	S&G-POR: Sustainability of gastronomic practices in Portugal - Adherence Level of Higher Education Institutions	FCT - Projetos de I&D	249,778€	Not approved
8	IPL & IPCA	DesignObs 4.0 - Observatório de Design: Dados Combustíveis para uma Sociedade Portuguesa 4.0	FCT - Projetos de I&D	249,896€	Not approved
9	HAMK, SZE, IPCA, IPL, TUS	Smarter buildings for better energy performance	HORIZON CL5-2022-D4-01-03 EFFICIENT SUSTAINABLE AND INCLUSIVE ENERGY, USE	Not available	Not approved
10	TUS & IPL	Joint PhD-From Sea to pharmacy: an integrated and sustainable valorization of the red seaweed Gelidium corneum for cosmeceutical applications	Higher Education Authority Ireland	81,000€	Approved
11	FHV & SZE	Basic research in Medical Mixed Reality Applications	FWF Joint Projects (Austrian Part) and NKFIH – National Research, Development and Innovation Office (Hungarian Part)	246,625€	Not approved

12	TUS & IPL	Joint PhD - Sustainability of 3D printing for building construction using innovative and ecological materials.	Higher Education Authority Ireland	81,000€	Approved
13	FHV, HAMK, SZE	VENUS - Centre of Vocational Excellence in Nursing Studies	EU Erasmus+	635,922€ (FHV, Lead partner) 415,673€ (HAMK) 414,047€ (SZE)	Not approved
14	IPL & TUS	WEST- Green Finance, Natural and Digital Solutions as Pathways to Innovative Water Governance and Infrastructure Recovery	Horizon 2020	3,500,000€	Not approved
15	TUS & IPL	Joint PhD - Hybrid behaviour-based network intrusion detection system	Higher Education Authority Ireland	81,000€	Approved
16	TUS & IPL	Joint PhD - An examination of the Sustainable Practices implemented by Portuguese Hotels.	Presidents Scholarship Award TUS	75,000€	Approved
17	HAMK, NHL Stenden, IPL, TUS	AIMLearning	Horizon Europe HORIZON-CL2-2021-TRANSFORMATION S-01	3,545,625€	Not approved
18	TUS & HAMK	Joint PhD - Leadership behaviours and wellbeing experiences at work: A case study in Finland	Presidents Scholarship Award TUS	75,000€	Approved
19	TUS & IPL	Joint PhD - Towards the development of an innovative Sustainable Sports Tourism Management Framework for Portugal	Presidents Scholarship Award TUS	75,000€	Approved
20	IPL & TUS	Joint PhD Title: Key Performance Indicators for the Financial Sustainability	Presidents Scholarship Award TUS	75,000€	Approved

		of Hotels: The New Post-COVID Era			
21	HAMK, TUS, IPL, SZE	ENGAGE - Enhancing Engagement in Online Learning using a Design Thinking Approach	Erasmus+ - Key Action 2	263,822€	Not approved
22	IPL & TUS	Joint PhD Robotic & Automation Title: Agile System Integration for Industry 4.0	Presidents Scholarship Award TUS	75,000€	Approved
23	HAMK, IPL, TUS	Innovalgae- Innovative solutions for future-looking Algae biorefineries, circular economy production and markets	Horizon 2020-CL6-2021-Circlbio-01	8,819,136€	Not approved
24	TUS & IPL	Joint PhD - An approach to integrating manufacturing data from legacy Injection Moulding Machines using OPC UA	Presidents Scholarship Award TUS	75,000€	Approved
25	IPL & TUS	PolRuralis	Horizonte Europa	Not available	Not approved
26	TUS & IPL	AQUALAB: AQUatic Algae Lifelines for Advantageous BioactiveS	Horizonte 2020	7,500,000€	Not approved
27	IPL & LIT	BacToSea: Targeting marine microbial communities for greener antifouling solutions	FCT - Projetos de I&D	249,182€	Not approved
28	IPL & IPCA	LeanGreen2CE: Lean green to support circular economy development in companies	FCT - Projetos de I&D	218,719€	Not approved

29	TUS & IPL	Joint PhD Algae-based approaches to improve composting process and recycle compost in mushroom industry	Higher Education Authority Ireland	81,000€	Approved
30	TUS & IPL	Joint PhD - An Examination of the Sustainable Management of Tourism in Portugal	Presidents Scholarship Award TUS	75,000€	Approved
31	LIT & IPL	Skills4Needs - Gathering skills intelligence to trace the needs for emerging occupational profiles and reconfigure the tourism service design with green, digital and transversal skills	Erasmus+ - Key Action 2	115,311€	Not Approved
32	IPL, TUS & others	Agricity	PT2020 - POCI - Programa Operacional de Competitividade e Internacionalização	982,811.00 €	Approved
33	IPL, TUS & others	Invisible 5G Virtually Invisible Small-Cells for 5G Densification	PT2020 - POCI - Programa Operacional de Competitividade e Internacionalização	1,040,630.44 €	Approved
34	IPCA, TUS, FHV	ORCHESTRA - add-value to ORCHards through thE full valoriSaTion of macRoalgAe	PT2020 - POCI - Programa Operacional de Competitividade e Internacionalização	990,643.77 €	Approved
Total number of successfully approved projects: 18					
Total amount of funding: €7,226,425.21					

