

Arqus Alliance  
Research and Innovation dimension  
*Update December 2023*

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FUTURE FOR THE R&I  
DIMENSION OF ARQUS**

# 1/ Introduction and Context

This fact sheet has been prepared for the **Final Conference of the Arqus Research and Innovation Project** (Jan 2021-Dec 2023) which takes place on the **4th December of 2023 in Brussels**, bringing together members of the Arqus R&I and Societal Engagement community of the Arqus Alliance.

The fact sheet aims, firstly, to allow a **quick appraisal of the main results of the Arqus R.I. Project** in various areas of institutional transformation (Section 2).

Secondly, it summarises the **impact of Arqus RI researcher networking activities on the development of new research collaborations**, according to a survey answered by researchers (Section 3).

Thirdly, it intends to show **ongoing and recent European-funded joint research projects** (Section 4) between Alliance partners, as well as the **joint proposals submitted by Arqus partners as a result of Arqus RI activities** (Section 5).

Finally, Section 6 lists the **main proposals arising from the Arqus RI Project members** with the intention of contributing to the further strengthening and growth of the Arqus R&I dimension of the Arqus Alliance.

## 2/ Results of the Arqus Research and Innovation Project (January 2021 to December 2023)

### Strengthening Research in Arqus and institutional transformation

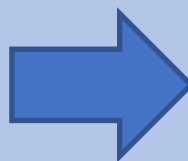


### Science with and for Society (SwafS): co-creation in Science and Transfer, access to OS resources



### 3/ Impact of Researcher Networking Activities in Arqus R.I. on New Research Collaborations

- **280** Arqus researchers met in
- **6** networking workshops.
  
- **34** researchers were granted **seed funding** to develop project ideas with their Arqus partners.
  
- **55** researchers **replied to a survey** asking about the **impact of the networking workshops and/or seed funded meeting on the development of new research collaborations:**



#### RESULTS OF SURVEY

##### Project Submissions

- **12 joint projects drafted**
- **10 submitted** (10 EU-funding + 1 bi-national funding) as a result.
  - **7 waiting for reply**
  - **2 rejected**
  - **1 not submitted /1 under development**
  - **Successful?**
  
- **34** researchers reported they were **planning to submit a joint application in the future.**

##### Other effective collaborations resulting from networking:

- **23** researchers reported **other effective collaborations:** joint publications, teaching exchanges, PhD exchanges, etc.
  
- **21** are **planning to have other effective collaborations** in the future

## 4/1 Ongoing projects between Arqus partners (Status end Nov 2023) Collected from EC F&T Portal

### O N G O I N G - H O R I Z O N / 1

PROJECT N°	ACRONYM	NAME	Start Date	End Date	Arqus partners (+ externals)	CALL
<a href="#">101022565</a>	EC2	Energy Citizenship and Energy Communities for a Clean Energy Transition	May 2021	<b>April 2024</b>	UL, UG, +12	H2020-LC-SC3-2020-NZE-RES-CC
<a href="#">733203</a>	PAPA-ARTIS	Paraplegia Prevention in Aortic Aneurysm Repair by Thoracoabdominal Staging with 'Minimally-Invasive Segmental Artery Coil-Embolization': A Randomized Controlled Multicentre Trial	Jan. 2017	<b>Sept. 2024</b>	UL, UGR +23 other partners	H2020-SC1-2016-RTD
<a href="#">952366</a>	MotherNet	Developing a new Network of Researchers on Contemporary European Motherhood	Jan 2021	<b>June 2024</b>	MU, VU+1	H2020-WIDESPREAD-2020-5
<a href="#">871149</a>	EPN-2024-RI	Europlanet - Research Infrastructure 2020-2024	Feb. 2020	<b>July 2024</b>	UNIPD, UV, +54	H2020-INFRAIA-2019-1
<a href="#">101058093</a>	GENDERACTIONplus	Gender Equality Network to Develop ERA Communities To coordinate Inclusive and sustainable policy implementation	Sept. 2021	<b>Sept. 2024</b>	MU, VU +38	HORIZON-WIDERA-2021-ERA-01
<a href="#">101017549</a>	GenoMed4ALL	Genomics and Personalized Medicine for all through Artificial Intelligence in Haematological Diseases	Jan. 2021	<b>Dec. 2024</b>	UL, UNIPD, +22	H2020-SC1-FA-DTS-2020-1
<a href="#">955986</a>	SUBLime	Sustainable Building Lime Applications via Circular Economy and Biomimetic Approaches	Jan. 2021	<b>Jan. 2025</b>	UGR, UM + 4	H2020-MSCA-ITN-2020
<a href="#">101004761</a>	AIDAInnova	Advancement and Innovation for Detectors at Accelerators	April 2021	<b>March 2025</b>	UV, ULYON, +45	H2020-INFRAINNOV-2020-2
<a href="#">101008324</a>	ChETEC-INFRA	Chemical Elements as Tracers of the Evolution of the Cosmos - Infrastructures for Nuclear Astrophysics	may-21	<b>April 2025</b>	UNIPD, VU + 30	H2020-INFRAIA-2020-1
<a href="#">101046133</a>	ISIDORE	Integrated Services for Infectious Disease Outbreak Research	Feb. 2022	<b>July 2025</b>	UM, UL, +153	HORIZON-INFRA-2021-EMERGENCY-02
<a href="#">101072766</a>	CHANGE	Cellular Homeostasis ANd AGing in Connective TissuE Disorders	Sept. 2022	<b>Aug. 2026</b>	ULYON, UNIPD, +5	HORIZON-MSCA-2021-DN-01
101135705	Edu4Standards.EU	Education for Standardisation in the EU	Feb. 2024	<b>Jan. 2027</b>	UG, VU + 15	HORIZON-CL4-2023-HUMAN-01-63

## 4/2 cont. Ongoing projects between Arqus partners (Status end Nov 2023)

### ONGOING - HORIZON / 2

PROJECT N°	ACRONYM	NAME	Start Date	End Date	Arqus partners (+ externals)	CALL
<a href="#">101120360</a>	SHARE-CTD	Sharing and re-using clinical trial data to maximise impact	Jan. 2024	<b>Dec. 2027</b>	UNIPD, ULYON, +5	HORIZON-MSCA-2022-DN-01
<a href="#">101057014</a>	PARC	Partnership for the Assessment of Risks from Chemicals	Sept. 2021	<b>Sept. 2028</b>	UGR, UG, UM, UNIPD + 46	HORIZON-HLTH-2021-ENVHLTH-03
<a href="#">101126656</a>	ArchiFun	Architecture, Function and Dynamics in Life Sciences	June 2024	<b>June 2029</b>	LYON 1, VU + 21	HORIZON-MSCA-2022-COFUND-01

## 4/3 Ongoing Non-horizon projects between Arqus partners

### ONGOING - NON-HORIZON

PROJECT Nº	ACRONYM	NAME	Start Date	End Date	Arqus partners + externals	CALL
<a href="#">609676</a>	SuCCES	Strengthening Criminology teaching through Cooperation among European and South-american universities	Jan. 2020	<b>Jan. 2024</b>	UGR, UM, +10	EAC-A03-2018
<a href="#">101114603</a>	EDLab	European Degree Label institutional laboratory	March 2023	<b>Feb. 2024</b>	UGR, UM, Lyon 1, UNIPD +9	ERASMUS-EDU-2022-POL-EXP-HE
<a href="#">101102412</a>	EUCOVII	SHARE Wave 10 in 11 countries to maintain EU coverage to provide the largest possible SHARE database to the research community, the EU Commission, and supranational organisations.	Nov. 2022	<b>May 2024</b>	UV, UM, +13	SOCPL-2022-SHARE-IBA
<a href="#">101123445</a>	CYBERACTIONING	Training Cybersecurity Skills through Advanced Higher Education Joint Programmes	Oct. 2023	<b>Sept. 2024</b>	UGR, UM, UNIPD, VU +9	DIGITAL-2022-SKILLS-03
<a href="#">610548</a>	EMGS-EP	Erasmus Mundus Master in Global Studies - A European Perspective	Oct. 2019	<b>Sept. 2024</b>	UL, UW r, +9	EACEA-03-2018
<a href="#">599306</a>	Migrations Transnationales	Migrations Transnationales	Oct. 2018	<b>Oct. 2025</b>	UW r, UG + 5	EAC-A05-2017
<a href="#">101104449</a>	EQui-T	European quality development system for inclusive education and teacher training	June 2023	<b>June 2026</b>	UGR, UGR, UNIPD, +4	ERASMUS-EDU-2022-PEX-TEACH-ACA
<a href="#">101127959</a>	EMGS	Erasmus Mundus Master in 'Global Studies'	Oct. 2023	<b>Nov. 2029</b>	UL, UW r, +3	ERASMUS-EDU-2023-PEX-EMJM-MOB
<a href="#">101128171</a>	NORISK	International Masters in Risk Assessment and Management of Civil Infrastructures	Nov. 2023	<b>Dec. 2029</b>	UNIPD, UM, +42	ERASMUS-EDU-2023-PEX-EMJM-MOB

## 4/4 Recently finalised projects between Arqus partners

### HORIZON - FINALISED IN 2022 AND 2023

PROJECT Nº	ACRONYM	NAME	Start Date	End Date	Arqus partner + externals	CALL
<a href="#">821054</a>	HYPERION	Development of a Decision Support System for Improved Resilience & Sustainable Reconstruction of historic areas to cope with Climate Change & Extreme Events based on Novel Sensors and Modelling Tools	June 2019	May 2022	UGR, UNIPD +16	H2020-LC-CLA-2018-2
<a href="#">870644</a>	SPOT	Social and innovative Platform On cultural Tourism and its potential towards deepening Europeanisation	Jan. 2020	Dec 2022	UG, UWrr +14	H2020-SC6-TRANSFORMATIONS-2019
<a href="#">800858</a>	ICEI	Interactive Computing E-Infrastructure for the Human Brain Project	Jan. 2018	Sept. 2023	UGR, UM +151	H2020-SGA-INFRA-FETFLAG-HBP
<a href="#">884565</a>	TIPPING.plus	Enabling Positive Tipping Points towards clean-energy transitions in Coal and Carbon Intensive Regions	May 2020	April 2023	UG, UNIPD +14	H2020-LC-SC3-2019-NZE-RES-CC
<a href="#">612892</a>	CalohE2	Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe - Phase 2 - CalohE5	Jan. 2020	Dec 2022	UGR, UNIP, VU +38	EACEA-36-2018-1
<a href="#">945539</a>	HBP SGA3	Human Brain Project Specific Grant Agreement 3	April 2020	Sept. 2023	UGR, UM +150	H2020-SGA-FETFLAG-HBP-2019
<a href="#">101046660</a>	DIGI-GUARD	Digital communication and safeguarding the parties' rights: challenges for European civil procedure	May 2021	April 2023	UG, UWrr +8	JUST-2021-JCOO
101052589	SHARE-EUCOV	SHARE main data collection of Wave 9 and preparation of Wave 10 in 12 countries to maintain EU coverage	Sept. 2021	Sept. 2022	UM, VU +13	SOCPL-2021-SHARE-IBA
<a href="#">876659</a>	iRel40	Intelligent Reliability 4.0	May 2020	Oct. 2023	LYON 1, UNIPD, +86	H2020-ECSEL-2019-1-IA



# 5/ Project proposals resulting from Arqus RI activities. Status end November 2023.

	Proposal ID	Acronym	Name	Call closure date	Duration	Arqus + ext.	CALL	Status
1	CE0200724	SMARTI5.0	Capacity building for SMEs in AI-uptake for industry 5.0 transition in smart specialisation in CE	17 May 2023	30	UNIPD + 7	Ingerreg CE, CE0200724, SMARTI5.0	Rejected
2	101159857	AGGREGAID	Bridging the knowledge gat between gene and protein engineering as tools to prevent age-related protein AGGREGation Diseases	Sept. 2023	36	VU, UNIPD	HORIZON-WIDERA-2023-ACCESS-02-01	Waiting for reply
3	101159634	REGREEN	TheR is a need for dEal on GREEN spaces	Sept. 2023	36	VU, UGR	HORIZON-WIDERA-2023-ACCESS-02-02	Waiting for reply
4	101156992	AI-ChAT	Artificial Intelligence - Children and Adolescence Training	Sept. 2023	60	UNIPD, UG	HORIZON-HLTH-2024-STAYHLTH-01-02-two-stage	Waiting for reply
5	145	ProRMAS	Producing valuable proteins and organic fertilizers from saline water sources using a recirculating multitrophic aquaponic system	Sept. 2023	36	UNIPD, UL + 2	Green ERA-Hub	Waiting for reply
6	101151703	AERO-CITY	AEROALLERGENS AND ANTHROPOGENIC POLLUTION IN EUROPEAN CITIES (AERO-CITY).	Sept. 2023	60	Uwr, UGR, Lyon 1	HORIZON-HLTH-2024-ENVHLTH-02-06-two-stag	Waiting for reply
7	101156372	COMPASS	COMprehensive evaluation based on Artificial Intelligence for Identification of Metabolic Non-Communicable Diseases: A PATient Centered Approach for Health Enhancement acroSS Europe	Sept. 2023	48	UL, UNIPD + 20	HORIZON-HLTH-2024-STAYHLTH-01-05-two-stage	Waiting for reply
8	101161445	NexTRM	Next-generation multifunctional and sustainable Textile Reinforced Mortar for strengthening of masonry buildings	Oct. 2023	48	UM, Lyon	HORIZON-EIC-2023-PATHFINDERCHALLENGES-01-02	Waiting for reply
9	101119459	NANO-AGRI	Nanotechnology for the agri-environment and sustainable primary production	15 Nov 2023		UNIPD, UGR +14	HORIZON-MSCA-2022-DN-01	Rejected
10			Driving Urban Transitions Project (more info pending)	21 nov 2023		UL, UNIPD	DUT Call 2023	Not submitted
11	SEP-210957926	MONARQ	Doctoral training in sustainable advanced metal-organic materials for multimodal anti-counterfeiting: Fundamental and applications	28th Nov. 2023		Lyon 1, UG, UGR, UNIPD	HORIZON-MSCA-2023-DN-01-01	Submitted on 28th Nov?
12			Suburban development and overlapping polycrisis			UL + UW r	Bi-national German-Polish	Under developm

## 6/ PROPOSALS FOR THE FUTURE (Arqus R.I. team) *for discussion*

- ❖ Fostering the development of competitive joint research projects and initiatives through the organisation of networking events and the creation of an online platform (“Matchmaking events and platform”).
- ❖ Setting up internal funding calls for joint research projects, especially for ESR, funded by Arqus universities (“Arqus Research Projects”).
- ❖ Giving continuity to the Arqus R.I. Seed Funding and potential further funding opportunities to support the organisation of consortium meetings and other activities to support competitive joint projects and initiatives.
- ❖ Maintaining the Open Science webpage that has been created in Arqus RI, continually updating the sections on training materials, the information on resources and support structures for OS at Arqus universities, as well as continue giving support to the Open Science Ambassador Network.
- ❖ Continuing the institutional involvement with research assessment reform, e.g. the Arqus Task Force on Assessment Reform.
- ❖ Exploiting the training materials created for Open Science and co-creation in transfer, among others making them available in the Arqus PhD Portal.
- ❖ Widely disseminating the know-how that is to be found in the Open Research Agenda Setting Toolbox.
- ❖ Developing a system for the monitoring of new research collaborations (giving continuity to initiative in TF3/WP14)