

## European Space University for Earth and Humanity

*UNIVERSEH is an alliance of five European universities established to develop a new way of collaboration in the field of Space, within the “European Universities” initiative.*

*The alliance aims to create new higher education interactive experiences for the university community, teachers and students, and for the benefit of society as a whole. Such initiatives will enable broadminded, informed and conscientious European citizens to capture and create new knowledge and become smart actors of European innovation, valorisation and societal dissemination within the Space sector, from science, engineering, liberal arts to culture.*

*In Beyond UNIVERSEH, the alliance will develop the research and innovation dimension. By creating a research policy roadmap for 2035 and a vision for 2050 within the space sector, the alliance expects to notably transform the future Space and New Space research landscape, as well to enhance the links between education and research.*

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## Dissemination level

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<b>V2</b>	19/12/2022	Quality Assurance Committee	All partners	Feedback of the members of the quality assurance council
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## Introduction

### Context of the Beyond UNIVERSEH project

Beyond UNIVERSEH is the research pillar of the European University Alliance UNIVERSEH. It is closely linked to the education component of the Alliance named after it.

The main ambition of the Alliance through this SwafS project is to define a roadmap for the next fifteen years that will lead to the implementation of a sustainable and integrated research and innovation network.

### Methodology

In order to monitor the quantitative and qualitative performance of the project, a quality assurance process has been set up, reviewed by the steering committee and validated in February 2022 by the quality assurance committee (QAC). To ensure consistency and continuity with the quality assurance monitoring set up in the framework of the UNIVERSEH project, the Beyond UNIVERSEH quality assurance process is guided by the methods developed in the first project. In the same way, this report also takes into account the conclusions of the 1st UNIVERSEH quality assurance report.

Thus, in order to address the issue of lack of clarity in the data collection process identified in the report, quality tables per WP have been proposed to facilitate their completion (Annex 1

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and 2). To help collect quality data, questionnaires (Annex 3) were also set up for each WP to be disseminated to the actors to find out their expectations of the project. Finally, for the launch of the data collection, a special meeting of the QAC was held in October 2022 with the WP leaders to present the data collection process.

In addition to the data collected via the tables and questionnaires, and in order to have the most exhaustive data possible, this report is based on the following documents

- Contact lists,
- Minutes of meetings,
- Deliverables,
- UNIVERSEH Quality assurance report 1.

### Assessment period

This report covers the first year of the project. After requesting a postponement from the European Commission, the reporting period was extended to the first 15 months. This allowed us to have a little more hindsight on the progress of the first actions and to draw lessons from the 1st UNIVERSEH quality report. Nevertheless, it should be noted that we are still too early in the project to have exhaustive data on all the indicators.

### Document structure

This quality report proposes an analysis by WP and by objectives of the various indicators identified in the quality assurance process.

## Performance and quality of actions carried out in WP2 « UNIVERSEH research roadmap for 2035 & vision for 2050 »

Within WP2, the following objectives have been identified:

- The identification of the needs (present and future societal challenges) that space-related research can solve,
- The identification of the barriers hampering research collaboration on space topics or hampering interdisciplinary research,
- The elaboration of a UNIVERSEH research roadmap for 2035 – interdisciplinary, collaborative, innovative, scaling excellence by joining forces,
- The elaboration of a UNIVERSEH vision for 2050.

After 15 months of the project, the diagnostic and identification work has been initiated, in particular through the adoption of two key documents:

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- Report on the Harmonisation activities w. EC ESA UN & related PPPs & Projects (Deliverable 2.1) is a strategic document for identifying stakeholders
- Specification and execution of the UNIVERSEH data collection via strategic intelligence, interviews, and workshops is a forward-looking document identifying data to be collected from scientific communities and spatial agencies. (Deliverable 2.2)

These first months have also allowed to work on the implementation of a questionnaire for mapping the state-of-the-art in Space Sciences and Engineering which will be distributed in the coming weeks on a large scale. Namely, to the members of the Alliance (researchers, students and administrative staff) and to a group of stakeholders.

It should be noted that because of the covid pandemic the workshops have to be postponed. The workshops organised in the framework of WP2 will play a key role in the identification of research needs in the space sector as they will allow the collection of data from several researchers and other experts. They will take place during year 2 of the project and not in year 1 as initially planned. All indicators directly related to the workshops will be evaluated in the second quality report.

Concerning the quality of the first actions undertaken in the framework of this WP aiming at the identification of societal needs that space research can solve, an indicator was set up to measure the ratio of women to men and non-binary people. In the first months of the project, at least 18 people have been involved in the implementation of the action. 5 of them were women.

The key documents developed within this WP were mainly disseminated internally within the Alliance itself and within our respective institutions. Externally, the main means of dissemination was via the UNIVERSEH website where all public deliverables are published. There will also be a dissemination on the Cordis website once the deliverables will be validated by the European Commission. Finally, dissemination work will also be carried out with stakeholders in the framework of the working groups that will be set up during year 2.

In terms of geographical distribution of the action, all the partner countries participate in the work of WP2. The coordinating team of this WP is based at Lulea University of Technology in Kiruna. It is important to underline this fact as the majority of the Lulea University actors involved in the Alliance are based at the main site in Lulea. The Kiruna site is located 328km from Lulea. The involvement of actors at this site, although essential due to the infrastructure

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and the themes that are dealt with there, can be more complicated from a practical and financial point of view. For this reason, it can be stated that the geographical disparity of the project is significant within this WP.

**Concerning the expectations of the actors involved in this WP, only one questionnaire was received.** For this respondent the Beyond UNIVERSEH project was particularly attractive because of the joint work to build a roadmap that would give the Alliance a strategic advantage to carry out joint research and respond to the challenges of the space sector. However, the respondent regrets the low level of resources allocated to this WP.

### Performance and quality of actions carried out in WP3 « Towards a UNIVERSEH single lab & research community »

Only one objective is associated with WP3. It is the objective related to the development of a virtual single lab and research community among the UNIVERSEH partners.

During the first 15 months of the project, the work of WP3 has led to important advances. On the one hand, thanks to the creation of an inventory of the laboratories of the partner institutions that can be used in common (Deliverable D3.1 Inventory/ Report & Taxonomy), which provides an indispensable overview. 28 platforms were identified. Four of the six disciplines identified in the Alliance are addressed within these platforms: science and engineering (X23 platforms), medicine (X3 platforms), economy (X1) and human science (X1). To date, no platform has been identified for joint use in the fields of art and culture. It should also be noted that no interdisciplinary platform has been identified to date. WP3 has identified this as one of the key issues to be addressed in future workshops.

Concerning the geographical distribution observed within WP3, as in all WPs, all partners are active. All partners have identified laboratories (Unil.lu=1, Lulea=6, HHU=3, AGH=3, UFT=15).

On the other hand, the work of WP3 was also important to set essential milestones towards what will be our future UNIVERSEH research community thanks to the identification of diversity/inclusion indicators that can be measured, evaluated and that can evolve over the next years (Deliverable 3.2 identification of indicators for inclusion and diversity).

**Concerning the expectations of the people involved in the implementation of the WP and the way they see their role in the project,** it appears that the perspective of a joint research collaboration is the main motivating factor of the WP3 actors. Each of them, in their

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respective roles, seeks to implement the Beyond UNIVERSEH actions at both local and European level in order to make our alliance more and more concrete.

It should be noted that the data concerning the indicators related to the workshops and the virtual lab are not available after 1 year of the project because these actions will only take place in year 2 and 3 of the project respectively.

### **Performance and quality of actions carried out in WP4 « UNIVERSEH knowledge transfer and innovation strategy »**

Only one general objective is associated with WP4. It is the reinforcement of the links between the UNIVERSEH research community and its economic ecosystem, focusing on industry-academia collaborations.

In the framework of WP4 the identified indicators do not seem to be the most in line with the actions that will be effectively implemented.

Indeed, many of them refer to the setting up of workshops but these activities will not be central in WP4.

Therefore, it will be necessary to propose new indicators to evaluate the performance and quality of this WP. The following indicators could be proposed:

- Number of new economic partners identified
- Number of collaborations with the existing economic stakeholders of the Alliance
- Number of model contracts for collaboration in the space field

During the first 15 months, the work of WP4 focused mainly on drawing up an inventory of the economic relations of the various partners in the space sector through a report on the economic opportunities for valorisation of research in the space sector (Deliverable 4.5).

### **Expectation and role of actors in WP4 regarding the project and their contribution to the project:**

The members of WP4 found it interesting to participate in a research and innovation project with high ambitions. It was also interesting for some of them to know each other's practices in terms of economic relations and to be an actor in the dissemination of Beyond UNIVERSEH actions at local level.

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## Performance and quality of actions carried out in WP5 « UNIVERSEH outside the lab, with and for society »

In the framework of WP5, the central objective is the reinforcement of the links between the UNIVERSEH research community and the citizens.

During the first year, the WP5 team has done an important and indispensable work of mapping the practices of each institution regarding their respective practice of citizen science and communication science (D5.1 Best practice report). This report has been disseminated within the consortium and has been published on the UNIVERSEH website. It will be published on the Cordis website once it has been validated by the European Commission.

4 actions have been set up for the citizens:

- Space Day in Dusseldorf on the HHU campus on May 2022
- Fascination Space - PechaKucha-Talks about Space Science - online on May 2022
- European Reseracher's Night 2022 in Toulouse on September 2022
- Critical Outer Space Studies - Public Lecture Series at HHU & online between on September and November

3 online trainings/workshops have been organised by the Alliance for researchers and students:

- Training#1: The Basics of Science Communication for researchers and PhD students.
- Training #2: Science Communication on Social Media for researchers and PhD students.
- Training #3: Simple, Short and Exciting! The Basics of Successful Science Communication for Bachelor & master students.

21 persons attended these online trainings. Among them 5 where students and 2 where women.

One of the flagship actions of the project is the citizen science project. The first 15 months of the project were not planned for the implementation of the citizen science project. As a result, all data on the citizen science project indicators are nil. It will be necessary to wait until year 3 of the project and the launch of the platform (M24) to have data.

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### **Expectation of WP5 actors regarding the project and their contribution to the project:**

Globally, all members of WP5 are enthusiastic about the idea of connecting with citizens from different countries. For the researchers and PhD students involved it was interesting for them to be able to popularise their science and make it accessible to a wide audience. The WP5 actors specialised in communication were enthusiastic about the idea of bringing their expertise to citizen science and communication science actions. Some of the WP5 actors also insisted that their attraction for the project was the collaboration between partners and the sharing of good practices.

### **Performance and quality of actions carried out in WP6 « Dissemination and collaboration with policy makers and other European universities »**

Only one project objective is associated with WP6. This is the objective related to the sharing of the project results and the formulation of policy recommendations to improve research cooperation among European universities.

It is necessary to recall here that the UNIVERSEH Alliance has more than 74 associated partners since the beginning of the implementation of the UNIVERSEH project in 2020 and therefore prior to the Beyond UNIVERSEH project. It is also necessary to specify that the work of the Alliance with its stakeholders is common to both the education and research projects and is currently carried out mainly within the Advisory Board.

Among the UNIVERSEH stakeholders there are several representatives of policy makers institutions.

At European level:

- European parliament,
- ESA.

At National level :

- DLR
- CNES
- Luxembourg Space Agency
- SSC

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- Polish Space Agency
- Portugal Space Agency

At the local level, the identification work is being carried out, particularly through the implementation of a dissemination plan.

During the first year of the Beyond UNIVERSEH project, the Alliance identified three new partners to support the dissemination and lobbying work of UNIVERSEH.

First, UNIVERSEH has collaborated with the Grand Duchy by contributing to a survey commissioned by this public authority and carried out by the Cabinet PwC on the impact assessment of space activities through meetings and interviews.

Second, two new private partners were also identified with the Association of the European Space Research Establishments (ESRE) and the Asteroid Foundation. The latter has joined the Advisory Board. It should also be noted that the Science Europe association was approached but did not wish to engage in proactive collaboration with the Alliance.

Concerning the participation of Alliance members in FOREU2 meetings, 15 Alliance members participate in the following 16 FOREU2 sub-groups that meet regularly:

- Global Forum (for coordinators only)
- Alliance coordination (operational issues)
- Education innovation and mobility (incl. new curricula & legal barriers)
- Students & staff engagement
- Citizens engagement
- SwafS projects
- Legal entity/future statute (incl. governance)
- Digital services and data sharing (incl. joint platforms)
- Cooperation with non-EU partners
- European Strategy for Universities
- Students communities
- University-Industry cooperation
- Multilingualism
- Impact
- Diversity and gender equality

To date, the Alliance is represented in 14 of these sub-groups. There is no representative in the sub-groups dedicated to the themes of diversity and impact.

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In the first 15 months of the project the Alliance has made five significant contributions to ForEU2 with:

- A conceptual work on the establishment of legal entity forms for university alliances
- A presentation of legal options for European university alliances to *France Universités* (Legal Commission, invited by Ph. Raimbault & Carl Bonafous-Murat),
- The establishment of a "skills and education portfolio guarantee product" for European universities with the European Investment Fund
- A presentation of the Alliance and its SwafS project at the *European Association of Research Managers and Administrators* (EARMA) Annual Conference dedicated to the European University Initiative,
- Interaction with the Centre for Strategy & Evaluation Services, UK, mandated by DG EAC for the discussion on legal entities (Caroline Gidard & Marta Guasp),
- Participation in the joint declaration of the 41 European University Alliances on the need for long-term sustainable funding to enable the Alliances to work on the full range of missions. (see annex 3)

Expectations of WP6 actors regarding the project and their contribution to the project:

There was no feedback from the questionnaires for WP6

## Conclusion

With the Beyond UNIVERSEH project, we are in an ambitious and long term prescriptive process. Thus, after 15 months of the project, it is complicated to have an exhaustive evaluation of the performance and quality of the project. However, the first results are encouraging, despite the difficult sanitary context, the fact that we are early in the project and the low financial and resource allocations considering the high ambitions of the project.

### Main achievements:

- The challenge of multidisciplinary has been addressed with 4 of the 6 themes taken into account in the identification of laboratories to be exercised in common.
- The geographical distribution: the implementation of the project is distributed in an equitable way between the partners with a participation of all the partners in all the Work Packages, the coordination of a Work Package by each partner and in particular by a team in Kiruna.

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- The first actions towards the citizens and trainings on science communication within the UNIVERSEH Alliance have been carried out.
- A good representation of the UNIVERSEH Alliance in the FOREU2 group, notably through its significant contributions as well as the continuation of the actions for stakeholders initiated with the UNIVERSEH project.

### Areas of improvement in the project:

- Dissemination issue: so far few key documents have been produced. However, the first reports show that the means and targets of dissemination are still limited and could be extended. **Means of improvement:** the implementation of a dissemination plan reviewed by WP leaders.
- Gender issue: In the framework of UNIVERSEH, the objective of an inclusive university open to society has been identified. In Beyond UNIVERSEH there is no specific objective related to gender but some indicators refer to it when analysing the number of women or non-binary people involved in the implementation of some key actions (Workshops in WP2 and WP3, training in WP5). The analysis of the available data shows that despite a good distribution in the WPs, there is still room for improvement when it comes to governance bodies and positions of responsibility (See annex 4). Furthermore, although the workshops have not yet taken place, it was possible to observe a low participation of women and non-binary people in the trainings set up in the framework of WP5. This confirms that particular attention should be paid to this issue. **Means of improvement:** The definition of indicators related to diversity and inclusion in the framework of WP3 should allow an awareness raising of the actors and a better consideration of this issue in our UNIVERSEH research component.
- Question related to the involvement of PhDs in Beyond UNIVERSEH actions: UNIVERSEH aims to be a university by and for students. In this respect, the involvement of students is important. However, to date there is little data to measure their involvement. **Means of improvement:** The work with the student council to involve more UNIVERSEH students, especially PhD students in Beyond UNIVERSEH activities.

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Areas of improvement regarding the quality approach:

- Revision of the indicators of WP4 in collaboration with the WP leader.
- Extend and improve the dissemination of the questionnaires, especially to the governance bodies, in order to have more information on the different categories of people participating in the actions (e.g. researchers' discipline, number of PhD students participating in the action).
- Strengthen the integrated quality monitoring process: a new quality assurance manager has been recruited as a member of WP1. He will be responsible for leading the quality monitoring process in close collaboration with the quality assurance committee and the project manager.

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## Annex 1- Data collected for year 1: Table of performance indicators

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<b>Beyond UNIVERSEH Quality Assurance Performance indicators</b> <i>How will we measure the achievement of our objectives?</i>				
<b>Beyond UNIVERSEH objectives</b>	<b>Indicators</b>	<b>Who is responsible for data collection?</b>	<b>Data year 1</b>	<b>Comments</b>
The identification of the needs (present and future societal challenges) that space-related research can solve	· Adoption of a report listing the needs	WP2 leader	1	work in progress as part of task 2.2 based on data collection in task 2.1
	· Number of workshops		0	due to the pandemic situation optional workshops for the task 2.2 were not performed - discussions lead to consideration for workshops accompanying later tasks
	· Number of women/non binary people participating in the workshops		0	see above
	· Number of stakeholders participating in the workshops		0	see above
	· Number of students participating in the workshops		0	see above
	· Number of needs identified through the workshops		0	see above

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The identification of the barriers hampering research collaboration on space topics or hampering interdisciplinary research	• Adoption of a report listing the objectives	WP2 leader		not yet delivered/work in progress
	• Number of workshops			not yet delivered/work in progress
	• Number of people participating in the workshops			not yet delivered/work in progress
	• Number of women/non binary participating in the workshops			not yet delivered/work in progress
	• Number of stakeholders participating in workshops			not yet delivered/work in progress
	• Number of students participating in workshops			not yet delivered/work in progress
	• Number of barriers identified through the workshops			not yet delivered/work in progress
The elaboration of a UNIVERSEH research roadmap for 2035 – interdisciplinary, collaborative, innovative, scaling excellence by joining forces	• Adoption of the final document	WP2 leader		not yet delivered/work in progress
	• Number of workshops			not yet delivered/work in progress
	• Number of people participating in the workshops			not yet delivered/work in progress
	• Number of women/non binary participating in the workshops			not yet delivered/work in progress
	• Number of stakeholders participating in workshops			not yet delivered/work in progress
	• Number of students participating in workshops			not yet delivered/work in progress

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The elaboration of a UNIVERSEH vision for 2050	· Adoption of the final documents	WP2 leader		not yet delivered/work in progress
	· Number of workshops			not yet delivered/work in progress
	· Number of people participating in the workshops			not yet delivered/work in progress
	· Number of women/non binary participating in the workshops			not yet delivered/work in progress
	· Number of stakeholders participating in workshops			not yet delivered/work in progress
	· Number of students participating in workshops			not yet delivered/work in progress
	· Number of needs identified through the workshops			not yet delivered/work in progress
The development of a virtual single lab and research community among the UNIVERSEH partners	· Number of infrastructures identified for common use	WP3 leader	28	28 platforms/facilities are identified in the BU deliverable 22/D3.1
	· Total number of virtual resources available for the UNIVERSEH Research community		0	
	· Number of workshops		0	0 so far, 1 big workshop is to be planed in 2023
	· Number of women/non binary included in the workshops		TBD	
	· Number of students included in the workshops		TBD	
	· Total number of individual using the common lab (virtual lab and facilities identified for common use)		TBD	
	· Number of woman using the common lab (virtual lab and facilities identified for common use)		TBD	
	· Number of students using the common lab (virtual lab and facilities identified for common use)		TBD	
	· Total number of mobilities		TBD	
	· Total number of PhD student mobilities		TBD	
	· Total number of teacher mobilities		TBD	
	· Number of women researchers doing mobility		TBD	
· Number of applications to European and international call	TBD			

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The reinforcement of the links between the UNIVERSEH research community and its economic ecosystem, focusing on industry-academia collaborations	· Number of representatives of companies participating in workshops	WP4 leader		To my best knowledge, workshops may be one of the forms to achieve goals of WP4, but are not a goal themselves.	
	· Number of representatives of public bodies outside the ES participating in workshops			Engagement of public bodies may be expected solely as feedback on D4.3, due M30 (see	
	· Number of researchers using the Virtual Space Centre			0	It is too early. Roadmap for the creation and operation of the
	· Size of companies participating in workshops and the VSC			0	as above- too early and not confirmed yet if workshops will be chosen as form of achieving the
The reinforcement of the links between the UNIVERSEH research community and the citizens	· Number of events for citizens	WP5 leader		1) Space Day at HHU (May 2022) 2) Fascination Space - PechaKucha-Talks about Space Science - online (May 2022) 3) European Reseracher's Night 2022 in Toulouse (Sept 2022) 4) Critical Outer Space Studies - Public Lecture Series at HHU & online(Oct - Dec 2022)	
	· Number of downloads of the Report on citizen science projects				
	· Number of citizens who attended the citizen project			Citizen science projects have not yet started	
	· Number of PhD students participating in internships			2	
	· Number of female doctoral students participating in internships			2	
	· Total number of participants in science communication trainings			18	1) Workshop #1: The Basics of Science Communication - 11 participants 2) Workshop #2: Science Communication on Social Media - 8 participants

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<p>The sharing of the project results and the formulation of policy recommendations to improve research cooperation among European universities.</p>	Number of companies identified as partners		1	PwC: meeting/Interview 'Contribution to the impact assessment of space activities', contracted by the Government of the Grand Duchy of Luxembourg
	Number of public persons identified as partners		2	- Asteroid Foundation as a major world operatryion stkeholder: agreement signed - Science Europe: contact with the President Marc Schiltz; outcome: no ccoperation as agancies, globally, refuse pro-active policy
	Number of participants in meetings with other European universities	<ul style="list-style-type: none"> <li>• WP6 leader</li> <li>• People involved in For1&amp;2 subgroups</li> </ul>	1	- Presentation of UNIVERSEH and legal entities options for European Universities at 'Transform4Europe' European University general meeting in 10/2022 - European Association of Research Managers and Administrators (EARMA): Annual conference - European Universities initiative and SWAFs case studies
	Number of contributions of the UNIVERSEH alliance to the joint work of ForEU1&2 to the EC		4	Member of the legal group of FOREU2 - Conceptual work of the establishment of legal entity forms for alliances of universities - Presentation of the legal options for alliances of European Universities at France Universités (commission juridique, invited by Ph. Raimbault & Carl Bonafous-Murat) - First contact with FOREU2: establishment of 'Skills and Education Portfolio Guarantee Product' for European universities with the European Investment Fund - Interaction with 'Centre for Strategy & Evaluation Services, UK', mandated by DG EAC for lergal entities discussion (Caroline Gidard & Marta Guasp)
<p>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101035795</p>				

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## Annex 2: Data collected for year 1- Table of quality indicators

		<i>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101035795</i>		
<b>Beyond UNIVERSEH Quality Assurance</b> <b>Quality indicators</b> <i>How will we assess the quality of our results?</i>				
Beyond UNIVERSEH objectives	Indicators	Who is responsible for data collection?	Data year 1	Comments
The identification of the needs (present and future societal challenges) that space-related research can solve	· Gender 'mainstreaming': Female/Male/non binary ratio	WP2 Leader	Ratio 5:3 (male/female)	
	· Ratio of researchers from different disciplines		8 researchers involved in executing tasks 2.1 and 2.2 so far from 4 different disciplines	
	· Report to be shared (presented to the Advisory Board, Student Committee and validated by the Governing Board)		1	
	· Number of people participating in the workshops		0	due to the pandemic situation optional workshops for the task 2.2 were not performed - discussions lead to consideration for workshops accompanying later tasks
	· Geographical distribution of workshops participants: number of regions represented in the workshops		5	
	· Means of dissemination of reports		distribution via UNIVERSEH consortium, stakeholders and UNIVERSEH social media	
	· Satisfaction survey sent to people who took part in the workshops		0	see above
	· Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project		All WP Leaders + Advisory board+Student Council	0

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The identification of the barriers hampering research collaboration on space topics or hampering interdisciplinary research	<ul style="list-style-type: none"> <li>Gender 'mainstreaming': Female/Male/non binary ratio</li> </ul>	WP2 Leader		not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Ratio of researchers from different disciplines</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Report to be shared (presented to the Advisory Board, Student Committee and validated by the Governing Board)</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Number of people participating in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Geographical distribution of workshops participants: number of regions represented in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Means of dissemination of reports</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Satisfaction survey sent to people who took part in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project</li> </ul>	All WP Leaders + Advisory board+Student Council		not yet delivered/work in progress
The elaboration of a UNIVERSEH research roadmap for 2035 – interdisciplinary, collaborative, innovative, scaling excellence by joining forces	<ul style="list-style-type: none"> <li>Gender 'mainstreaming': Female/Male/non binary ratio</li> </ul>	WP2 Leader		not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Ratio of researchers from different disciplines</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Report to be shared (presented to the Advisory Board, Student Committee and validated by the Governing Board)</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Number of people participating in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Geographical distribution of workshops participants: number of regions represented in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Means of dissemination of reports</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Satisfaction survey sent to people who took part in the workshops</li> </ul>			not yet delivered/work in progress
			<ul style="list-style-type: none"> <li>Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project</li> </ul>	All WP Leaders + Advisory board+Student Council



The elaboration of a UNIVERSEH vision for 2050	<ul style="list-style-type: none"> <li>Gender 'mainstreaming': Female/Male/non binary ratio</li> </ul>	WP2 Leader		not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Ratio of researchers from different disciplines</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Report to be shared (presented to the Advisory Board, Student Committee and validated by the Governing Board)</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Number of people participating in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Geographical distribution of workshops participants: number of regions represented in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Means of dissemination of reports</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Satisfaction survey sent to people who took part in the workshops</li> </ul>			not yet delivered/work in progress
	<ul style="list-style-type: none"> <li>Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project</li> </ul>	All WP Leaders + Advisory board+Student Council		not yet delivered/work in progress
The development of a virtual single lab and research community among the UNIVERSEH partners	Domains addressed in the common infrastructures identified	WP3 Leader		Among the 28 platforms/facilities identified: Sc and eng =23, Economy=1, Human Sc=1, 4 Medicine=3
	Geographical distribution of the identified infrastructures			Unil.lu=1, Lulea=6, HHU=3, AGH=3, 5 UFT=15
	Geographical distribution of the people having carried out mobilities			no mobilities in the platforms so far but
	Geographical distribution of the people using the virtual resources			no use of virtual resources yet
	Gender ratio in the workshops and in the mobilities			TBD
	Number of selected PAA applications / evaluators' report			TBD
	Satisfaction questionnaires of people who participated in workshops			TBD
	Questionnaires of female researchers who have done mobilities			TBD
	Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project		All WP Leaders + Advisory board+Student Council	



The reinforcement of the links between the UNIVERSEH research community and its economic ecosystem, focusing on industry-academia collaborations	Means of dissemination of deliverables (reports)	WP4 Leader		There are 6 Ds planned to be reported by WP4, of which 6 are PU.
	Ratio of women to men participating in workshops			
	Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project	All WP Leaders + Advisory board+Student Council		Suggestion better indicators: 1. Number of new contacts with space industry (e.g. within 5 years after project end.?) 2. Number of spin - offs started
The reinforcement of the links between the UNIVERSEH research community and the citizens	Feedback from the participants of the citizen project (satisfaction survey)	WP5 Leader	WP5 Leader	Citizen science projects have not yet started
	Average age of participants in citizen science project			Citizen science projects have not yet started
	Socio-professional category of participants in citizen science project			Citizen science projects have not yet started
	Means of dissemination of reports/questionnaires		The best practice report on citizen science and science	
	Gender ratio of doctoral students participating in workshops			Citizen science projects have not yet started
	Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project	All WP Leaders + Advisory board+Student Council	All WP Leaders + Advisory board+Student Council	Citizen science projects have not yet started



The sharing of the project results and the formulation of policy recommendations to improve research cooperation among European universities.	Diversity of the type of legal entities to which the communication actions are addressed	WP6 Leader		Communication strategy has been updated in June; after writing, the dissemination plan combining UNIVERSEH and Beyond_UNIVERSEH has not been acknowledged, despite the continuity of the two projects, as a functional link between teaching and research and back. A new plan is currently being designed by the group.
	Survey to assess the overall perception of the project before the workshops and after to assess the successful implementation of the project	All WP Leaders + Advisory board+Student Council		Delayed

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## Annex 3: Sample of questionnaire

### Beyond UNIVERSEH Quality monitoring

#### WP2 Beyond UNIVERSEH Research Roadmap 2035 and Vision 2050

*In the framework of the Beyond UNIVERSEH project, a quality assessment of the project is carried out. To this end, we will collect and process the personal data listed below. These data will be processed and evaluated by the project members as part of the quality assessment process. All published data will be anonymised. Once completed, all questionnaires will be stored in secure digital files to which only consortium members have access. The surveys will be kept until the end of the project at the latest, i.e. until 30 August 2024. By taking part in the action you will be able to use your **basic rights** in the field of data protection. If you wish to make a complaint, you can send your request to **Select a DPO**. You can **withdraw your consent** at any time.*

**Name:**

Cliquez ou appuyez ici pour entrer du texte.

**Surname:**

Cliquez ou appuyez ici pour entrer du texte.

**Gender:**

Choisissez un élément.

**Country:**

Cliquez ou appuyez ici pour entrer du texte.

**City:**

Cliquez ou appuyez ici pour entrer du texte.

**Institution:**

Cliquez ou appuyez ici pour entrer du texte.

**Occupation:**

Cliquez ou appuyez ici pour entrer du texte.

**What is your field of expertise?**

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Cliquez ou appuyez ici pour entrer du texte.

**Role in the Beyond UNIVERSEH project:**

Choisissez un élément.

**Did you attend any meetings or event organised by another European University?**

Choisissez un élément.

**If yes, please list them below**

Cliquez ou appuyez ici pour entrer du texte.

**Before taking part in the project actions did you know about the Beyond UNIVERSEH project?**

Choisissez un élément.

**If yes, by which means?**

Cliquez ou appuyez ici pour entrer du texte.

**Once you became aware of the project, what were your expectations from the project and how did you see your contribution to the project?**

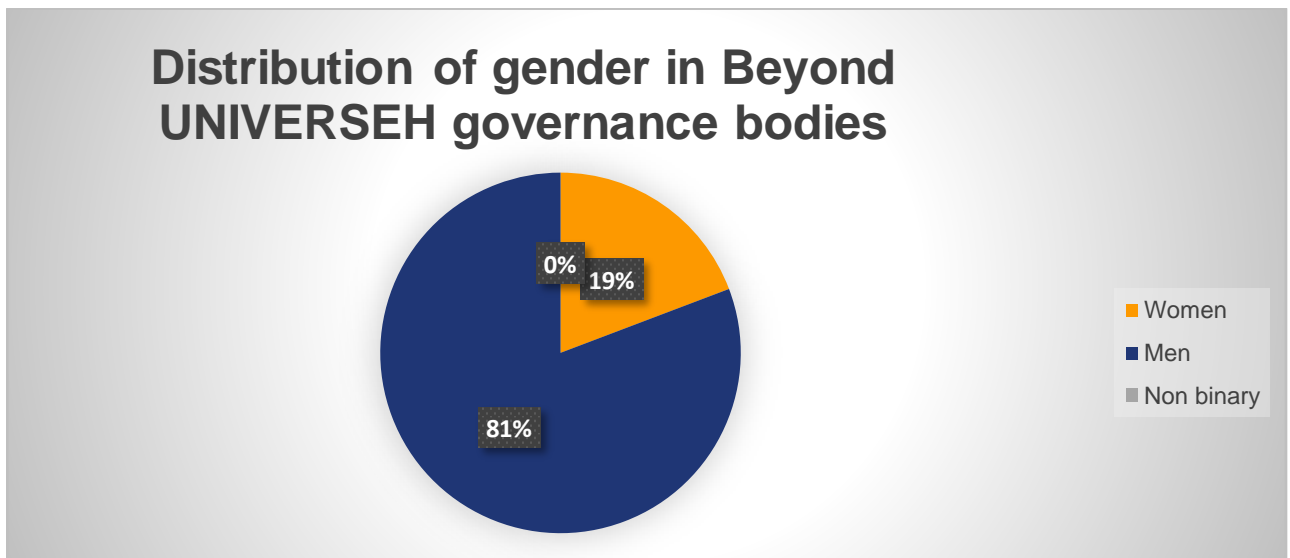
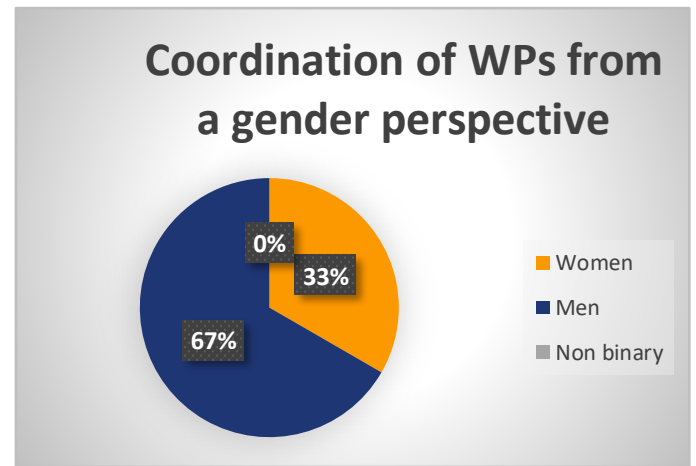
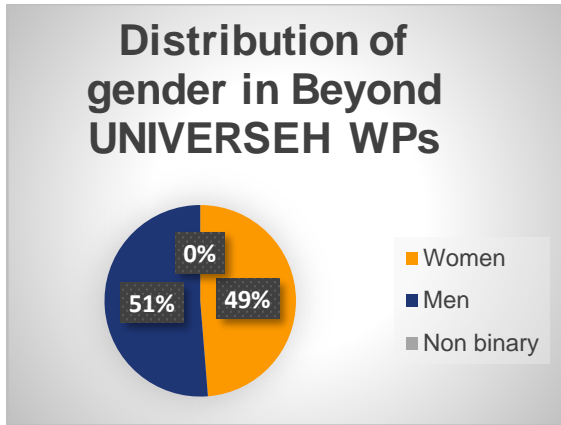
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### Annex 4: Distribution of gender in Beyond UNIVERSEH



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