

## 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.*

Grant agreement number: 101004066

Funding Scheme: Erasmus+ / European Universities

## Data Management Plan

Due date of deliverable: M6  
Actual Submission date: 22/07/2021

Start date of the project: 01/11/2020

Duration: 36 months

Organisation responsible for this deliverable:

*Version: draft/final*

### Dissemination level

<b>PU</b>	Public	X
<b>CO</b>	Confidential, only for members of the consortium	

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### Document History

Version	Date	Author	Partner	Summary of main changes
1	15/06/21	Mathilde Marcel	UT	
1.1	17/06/21	Hélène Gentils	UT	Minor rephrasing

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## Introduction

UNIVERSEH, through the Erasmus+ programme, contributes to the objectives of the European Education Area. We promote an accessible, inclusive and open higher education and research world.

As part of the European Universities initiative, UNIVERSEH does not intend to generate research data as much as a research project per se. However, we plan to maximise the access to most of the data produced throughout its implementation. This Data Management Plan aims to present the steps taken to achieve this objective.

## Data Summary

UNIVERSEH, as a European University, will set new grounds as a model for a strong participative structure for other university networks, for young institutions, and yet to be created higher education institutions, in Europe at first.

Together with the other European University Alliances, we commit to disseminating the results of the project to the widest possible audience, with the goal of influencing policy making and enabling the reproduction of its successful pilot activities in other Higher Education Institutions. In that sense, produced material will be made available through accessible dissemination channels.

The project deliverables will be available on the UNIVERSEH website, as well as Erasmus+ project results platform<sup>1</sup>, according to the dissemination level retained in the Grant Agreement. At this stage of the project, the Consortium has not yet produced any deliverable or publication using data produced in the project or linked to the expected result of the project. The list of forthcoming open-access deliverables involving research data or a specific interest to be shared widely is summarised in the following table. Please note this list may evolve during the lifetime of the project.

Del n.	Del. name	Information about dissemination
D2.2	Report on mobility within the Alliance	Indicators will be elaborated in D2.1 to assess mobility in the alliance. Data will be collected to measure the project's progress against these indicators.

<sup>1</sup> <https://ec.europa.eu/programmes/erasmus-plus/projects/eplus-project-details/#project/101004066>

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<b>D2.3</b>	<b>Analysis report on student's mobility experience within the Alliance</b>	Statistical/Analytical data will be developed to assess student's mobility experience.
<b>D2.13</b>	<b>Dictionary of Space Concepts</b>	This dictionary will be published on UNIVERSEH website to constitute an open common repertory of Space-related terms.
<b>D3.2</b>	<b>Identification of future needs for student competences</b>	A questionnaire will be completed by stakeholders to assess their needs. This questionnaire will provide data that will be used for analysis.
<b>D4.7</b>	<b>Implementation of Hybrid and virtual classroom; experience and recommendation</b>	Data will be collected to assess the experience of virtual classrooms participants.
<b>D4.12</b>	<b>ADN production methodology; experience and recommendation</b>	Data will be collected to assess the experience of ADN participants.
<b>D6.3</b>	<b>EuroCharter on Equity, Inclusion and Diversity: towards European standards</b>	This charter will be published on UNIVERSEH website.
<b>D7.7</b>	<b>Report on Model of good practices</b>	This report on communication good practices is directly aimed to the European Universities as conclusions of our experience.

UNIVERSEH commits to open education, giving everyone access to high-quality educational experiences and resources. Material on innovative pedagogical tools have already been shared on UNIVERSEH social media channels. WP3 "Interdisciplinary and cross sectoral curricula" and WP4 "Innovative pedagogical models" teams jointly created a series of webinars for Professors and academic staff on "How to build courses for UNIVERSEH: characteristics of a course, digital tools, active learning method". This playlist contains both videos and supporting documents aiming at providing support in implementing today's collaborative educational approaches that are more responsive to the learner's needs:

- "UNIVERSEH: What could be a course?"
- "UNIVERSEH: Digital tools"
- "UNIVERSEH: Active learning techniques"

Additional resources have been shared by WP4 team to facilitate the shift towards an open education that promotes exchange and interaction between students and teachers:

- "UNIVERSEH: Technical solutions with opportunities and challenges for hybrid- and virtual learning and learning environments"
- "UNIVERSEH: Aerospace Digital nuggets"

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This material is in a video format, with presentations and text documents that have been developed by academic staff and Professors from the UNIVERSEH Consortium. They are made public through UNIVERSEH social media ([YouTube Channel](#)) and also shared on the partners' channels of communication. Their expected size is around 8GB.

## FAIR principles

UNIVERSEH ensures the respect of FAIR principles regarding data; that are findable, accessible, interoperable and re-usable. In our wish for UNIVERSEH to become a role model for other Higher Education Institutions, FAIR data is a necessity to sustainably share our experience and facilitating the replication of the project's successful outcomes. Beyond this work, the alliance will support and act towards a more integrated education and research policy, through formulating policy recommendations, together with the other European University Alliances.

All the material produced during project delivery that are detailed in the summary section are intended to be consistent with the FAIR principles. As previously stated, all the deliverables, reports and resources will be published on the UNIVERSEH website and social media channels, as well as on the Erasmus+ project results platform (for the deliverables relating to the result of UNIVERSEH project funded). This platform will be used as a database to ensure transparency over UNIVERSEH display and to allow an effective and comprehensive dissemination of results of EU-funded activities.

To access UNIVERSEH data for verification and re-use on the [Erasmus+ project results platform](#), users need to access the [UNIVERSEH project card](#). The deliverables containing data result of UNIVERSEH that are ready are under the "results" section. A [support page](#) is available if needed. Due to the small number of items available, no metadata is used, nor is a specific open access platform.

As agreed upon the Grant Agreement, the upcoming quality assurance reports (D1.1, D1.6, D1.11), as well as the Evaluation report on the implementation of the multilingualism plan (D2.12) and the Common semester design (D3.7) will remain confidential within the alliance. These documents may involve sensitive or private data, which must remain in restricted access.

Regarding the quality assurance reports, several indicators are elaborated to measure the achievement of inclusivity in the project. Those indicators are made public through the D1.5

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Quality Assurance Process, however their application to collected data in forthcoming reports may reveal sensitive information.

Our incapacity to publish those results due to the essential confidentiality of sensitive data made us rethink our way to develop best practices models regarding our equity, inclusion and diversity strategy. Those best practices will be published in the form of yearly citizens' summaries of the Quality Assurance Reports, detailing the key findings of the quality indicators' data analysis. These citizen's summaries will be published on the project's website.

## Other issues and next steps

At this stage of the project implementation, the allocated resources to FAIR data management are being developed along with needs being identified. Sound dissemination is ensured by the University of Luxembourg that is leading WP7 on UNIVERSEH "Sustainability and Communication". The rest of the Consortium also contributes to the publication of various material and to sharing of good practices.

All activities of the project will be in line with the European General Data Protection Regulations, as well as Data Protection regulations of the partner institutions. Personal data collected in the context of UNIVERSEH includes a consent form and is treated with complete transparency. Each member of the alliance has identified a data protection officer, whose contact information is annexed to this document.

The research data generated by the Alliance will be published on peer-reviewed journals in order to maximise its access and re-use. The consortium has determined that the green open access option will be the most appropriate for the project. The publication in peer reviewed journals has not been yet implemented.

The alliance has committed to share guidelines, recommendations on entrepreneurial approaches, portent for joint research, common strategies and support structures for the implementation of a joint graduate school and doctoral education. These documented best practices aim to be published on the website, as part of our open data and communication commitment. In that sense, UNIVERSEH will also seek collaborations with other European Universities that share its mission and vision for Space and New Space.

Finally, in order to improve the implementation of FAIR principles, a dedicated training for the alliance researchers will be put in place as part of Beyond UNIVERSEH, the research policy focused project that will be implemented from September 2021 along with UNIVERSEH.

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## Annex 1. Data protection Officers of the Consortium

Beneficiary	DPO name	DPO contact
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