FAIRICUBE –
F.A.I.R. INFORMATION CUBES

WP 6 Dissemination
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Disclaimer

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1   Introduction

The primary goal of WP6 is to optimise the promotion and dissemination of project outcomes. This involves increasing the project's visibility and reaching key target audiences. It also entails the formulation of relevant and focused messages and the use of new communication channels to engage with stakeholders and gather feedback.
Task 6.2, in particular, focuses on training and education, providing trainings/seminars to relevant stakeholders on the use of project results. In the proposal an overview is given of the communication channels and KPI's (Table 1) and in this table 2 workshops and 3 training days are proposed.

The FAIRiCUBE consortium is aware of the importance of training relevant stakeholders in the usage of tools that will be developed during the project. Attention is needed in creating user-friendly products and demonstrating their importance to stakeholders and further development of the deliverables of this project. Furthermore, innovation management both within the consortium and in a broader context is important. Two innovation workshops will be organized to ensure that innovations developed in project are disseminated among project partners (between different cases) and externally. Also, academic guest lectures, thesis subject provision and support is foreseen.

This document shows the planning of seminars/webinars, workshops, guest lectures and thesis subject provision (providing students with a FAIRiCUBE related topic for their thesis) and support. In the next versions, more detail will be given on the agendas and planned activities to gather feedback from potential end users attending the seminars/webinars and workshops. In the deliverable 6.5 an overview is given of the stakeholder groups, the topics relevant for dissemination via training and education, and the proposed dissemination types. In that deliverable a matrix is provided to visualise this overview; this Matrix is reused in this deliverable to show the coverage of our planning regarding the topics and stakeholders.

Table 1: Overview of communication channels and KPI's as proposed in Proposal FAIRiCUBE

Communication channel	KPIs and means of verification
EU policy	~ 3 events *(Source: Partners' regular reporting)*
Domain specific events	~ 5 events *(Source: Partners' regular reporting)*
Newsletter	~ 6 newsletters (*Source: Partners' regular reporting*)
Website	~ 2K views *(Source: Google Analytics)*
Social media	~ 1K followers *(Source: Accounts' data)*
Press releases and articles published in national/regional/European online media	~ 5 articles *(Source: Partners' regular reporting)*
Innovation workshops	~ 2 workshops
Trainings and master workshop	~ 3 training days
Scientific papers	~ 3 papers

2 Planning of training and education events

In Table 1 an overview of the planned trainings, seminars and workshops is given. In the following paragraphs more details are given of the planned events.

Table 2: Planning of training and education events

Planning	What	For Who	Description
2023 Q4/2024 Q1	4 webinars/seminars (1 per use case)	Research community, students and specific stakeholders	Explanation of use case and ask for feedback
2024	2 workshops connected to conferences	Research community and students	Various topics*
2024 Q2	1 workshop/training day	Research community and students	Use and possibilities of FAIRiCUBE hub
2024 Q3	AI innovation workshop	Research community and students	what is new and are the possibilities for further development
2025 Q1	Innovation show case	Policy makers	showing results, what is possible, get ideas about new use cases, stimulate use, create new opportunities
2024-2025	3 Guest lectures	students	Various topics*
2024-2025	2 Bac/MSc students' subject provision and support	students	Various topics*
2023-2025	1 PHd students' subject provision and support	Students	Various topics*

*: topic depends on demand and might be tailor made to specific situation/student

2.1 Webinars/Seminars

Four webinars/seminars have been planned, each dedicated to one specific use case. These events aim to address objectives, approach, status and outlook of the use case is discussed. These seminars are planned for Q4 of 2023 and Q1 for 2024. As the work on the use cases will still be in progress at the time of these webinars, the seminars will explain the status quo, the current struggles and the steps foreseen towards completion. During an interactive part the attendees are asked for feedback and suggestions for the next steps.

The target groups for these webinars include the data science research community, students, sister projects and specific stakeholders associated with each specific use case. As an example, for the Climate Adaptation in cities use case, we foresee that members of the sister project USAGE will participate, in addition to stakeholders of the cities that are involved in the Use Case.

2.2   Workshops connected to conferences

Two workshops connected to conferences will be organised. These conferences offer possibilities for participating organisations to organise their own workshop in line with the topics that will be addressed in the conference. The final decision on what topics are to be addressed has not yet been taken, as we would like to leverage the potential of collaboration with our sister projects in this area, and jointly organise one or more workshops. The main target audience of these conference workshops will be the research community, but depending on the type of conference standardisation institutes can also be targeted.

2.3   Workshop/Training day

One training day is planned in Q2 2024 to explain and give participants the chance to get familiar with the use and possibilities of the FAIRiCUBE Hub. The target groups that will be addressed are the research communities,students and other relevant stakeholders. Main objective is to walk-through the FAIRiCUBE hub. The participants will be trained in using the hub by doing exercises, if possible, based on their own research questions. In this way the use and potency of the FAIRiCUBE Hub will be made clear.

2.4   AI Innovation workshop and innovation Show case workshop

Two innovation workshops are foreseen, but with different target audience and aims. The target group for the AI innovation workshop is the domain experts of the research community, students and relevant specific stakeholders. This workshop is planned towards the end of the project when the AI-tools that are aimed for are finished and ready to be used. The aim of the workshop is on the one hand to show what is done within the FAIRiCUBE project regarding AI, but also to think ahead about what other innovations are possible within the FAIRiCUBE context. The Innovation show case workshop is meant to show policymakers the results of the FAIRiCUBE project. Based on the use cases guiding the creation of the FAIRiCUBE Hub, policy makers will gain a better understanding of the potential of ML/AI when applied to available geospatial and gridded data. Our ambition is that this will not only lead to wider uptake of the use cases outcomes, but also stimulate participants to propose new ideas and create new opportunities. This workshop will be organized in the last few months of the projects to be able to show concrete examples.

2.5   Guest lectures

This project offers many interesting topics relevant for different types of students (see D6.5). There are three direct links to universities within the consortium: Constructor University (formally Jacobs University), University Vienna and Wageningen University. In addition, many of the consortium partners have their own personal links with Universities within Europe. We foresee that a minimum of three guest lectures will be given by consortium partners. It is not clear yet what topics will be covered.

2.6   Bac-, MSc, PHd-students subject provision and support

Given the direct connection to three Universities namely Constructor University (formally Jacobs University), University Vienna and Wageningen University), we anticipate potential opportunities to offer research topics for undergraduate (Bac-), postgraduates (MSc-) and doctoral (PhD) students. The provision of Support to these students throughout their thesis period is foreseen. The topics that will be covered also depend on the interests of the students, but there are many interesting topics that can be provided. Every university has their own time schedule for Bac- and MSc thesis, so we will adapt to that. Construction University already has one PHd student working on FAIRiCUBE related topics.

3   Concluding remarks

In Deliverable D6.5 we presented an overview of the relevant stakeholders, topics and dissemination activities. This is visualised in a matrix that we have also used in this chapter as Table 3 to indicate the coverage of stakeholders and topics by the proposed planning of training and education dissemination activities. In the planning (Table 2), while some events already have a fixed topic and aim, others such as the workshops connected to conferences, student support and guest lectures have not been assigned to topics yet, since that is depending on the demand and will be tailor made for the specific situation (student, course, conference). To indicate the degree of coverage, we coloured the events (see Table 2 for legend). A number of events will have fixed topic/aim (see Table 2). While the proposed events may not cover all of the topics, we will assure that the essential topics will be covered. Some of these topics may also be addressed in the innovation workshop and use case seminars (as part of the FAIRiCUBE hub or the use cases).

Furthermore we would like to join efforts as much as possible with the sister projects, as we pursue related goals goals in the quest for underpinning the European Green Deal Data Space, and target the same stakeholders. Where possible, we will plan events adjacent to project meetings or other events to minimize travel.

Table 3: Matrix showing coverage of stakeholders and topics by proposed planning	Researchers					Students					Policy makers		Govern-mental Org	Industry	NGOs	Citizen Science Public	EC inst	Standar-dization
	AI	IT	Eco	GI	Env	AI	IT	Eco	GI	Env	Spat. pl	env						
Biodiversity data																		
Occurrence cubes			👥	👥	👥			🖐️	🖐️	🖐️								

Table 3: Matrix showing coverage of stakeholders and topics by proposed planning	Researchers					Students					Policy makers		Govern-mental Org	Industry	NGOs	Citizen Science Public	EC inst	Standar-dization
	AI	IT	Eco	GI	Env	AI	IT	Eco	GI	Env	Spat. pl	env						
GenomicVariation cubes			👥	👥	👥			🖥	🖥	🖥								
Data preparation																		
Wormpicker			👥		👥			🖥		🖥					👥	👥		
Grid projections and resampling				👥					🎓									
Preparing and publishing data	👥	👥		👥			🎓		🎓							👥		
Transforming vector data to grids				👥					🎓									
Processing and Storage Requirements		👥																

Table 3: Matrix showing coverage of stakeholders and topics by proposed planning	Researchers					Students					Policy makers		Govern-mental Org	Industry	NGOs	Citizen Science Public	EC inst	Standar-dization
	AI	IT	Eco	GI	Env	AI	IT	Eco	GI	Env	Spat. pl	env						
Data Preparation and Gap Filling, Labelling	👥					🎓												
Metadata																		
Datacube metadata				👥					🎓									👥
Processing Resource Metadata				👥					🎓									👥
Data science and AI																		
Applicability of AI/ML approaches	👥	👥				🎓	🎓		🎓									
Explainable AI	👥	👥				🎓	🎓		🎓									

Table 3: Matrix showing coverage of stakeholders and topics by proposed planning	Researchers					Students					Policy makers		Govern-mental Org	Industry	NGOs	Citizen Science Public	EC inst	Standar-dization
	AI	IT	Eco	GI	Env	AI	IT	Eco	GI	Env	Spat. pl	env						
MLOps	👥	👥				🎓	🎓		🎓									
AI Cubes	👥	👥				🎓	🎓		🎓									
AI and ethics	👥	👥				🎓	🎓		🎓									
Visualisation																		
Visualisation	👥	👥	👥	👥	👥	🎓	🎓		🎓									
Requirements FAIRiCUBE and Use cases																		
FAIRiCUBE HUB	👥	👥	👥	👥	👥	🖥	🖥	🖥	🖥	🖥	👥	👥	👥	👥	👥	👥	👥	
Use case 1			👥	👥					🖥	🖥			👥			👥		

Table 3: Matrix showing coverage of stakeholders and topics by proposed planning	Researchers					Students					Policy makers		Govern-mental Org	Industry	NGOs	Citizen Science Public	EC inst	Standar-dization
	AI	IT	Eco	GI	Env	AI	IT	Eco	GI	Env	Spat. pl	env						
Use case 2			👥	👥	👥			🖥️	🖥️	🖥️		👥				👥		
Use case 3a/b			👥	👥				🖥️	🖥️			👥				👥		
Use case 4				👥	👥			🖥️	🖥️	👥	👥	👥				👥		

Legend for matrix:

AI: Artificial Intelligece

IT: Information Technology

ECO: Ecology

GI: Geo-Information

ENV: Environmental

SPAT Pl: Spatial planning

👥 :Seminars/Webinars and Workshops (standalone) or connected to conferences

🖥️ Guest lectures (2 hours, presentation) and/or Provision of slides

- 🎓 Bac, MSc, PhD thesis subject provision and support