

## **Deliverable D3.3**

### **Report on application of the FAIRNESS action results**

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#### **Summary**

1. Background and relation to dissemination and communication plan
2. Publications and presentations
3. Proposals
4. Communication with stakeholders
5. Conclusion

## **1. Background and relation to dissemination and communication plan**

This document describes the connection of COST action activities and the overall dissemination plan of the FAIRNESS project. The aim is to ensure that the outputs and findings of the project are effectively communicated to a wide audience, including stakeholders, researchers, and the general public, to find a wide and useful application. This represents one of the main goals of COST Actions.

It is important to note that this is a living document. The output lists are constantly updated to reflect new developments, activities, and contributions from project participants. This dynamic nature allows for real-time tracking and reporting of dissemination efforts. Updated information is constantly updated and made available in the COST action website (<https://www.fairness-ca20108.eu/>). The record of dissemination activities is meticulously maintained on the FAIRNESS website. Participants are responsible for inputting their activities into a dedicated worksheet. This systematic approach ensures comprehensive documentation and facilitates easy access to information regarding the project's progress and impact.

In this report, we analyse the current state (as of April 2024) of the worksheets submitted by participants. The analysis focuses on three main areas of activities:

### **1. Publications and Presentations**

- Tracking and evaluating the research papers, articles, and presentations delivered at various conferences and workshops.

### **2. Proposals**

- Documenting the proposals submitted for funding, collaborations, and further research initiatives.

### **3. Communication with Stakeholders**

- Assessing the effectiveness and frequency of communication efforts with stakeholders, including newsletters, social media interactions, and meetings.

This comprehensive analysis helps in understanding the outreach and influence of the FAIRNESS project and identifies areas for improvement and future focus.

By maintaining detailed records and continuously updating this living document, the FAIRNESS project ensures transparency, accountability, and the effective dissemination of its findings and achievements.

## 2. Publications and presentations

The output list kept on the FAIRNESS website currently has 24 entries. Of these, twelve refer to oral presentations at conferences or workshops and seven to poster presentations at conferences or workshops. In addition the output list contains four published scientific papers and one preprint.

Most of the outputs are authored by international teams, including authors from Serbia, Ireland, Italy, Switzerland, Germany, Belgium and others.

Table 1. Current list of publications and presentations related to the FAIRNESS

Type of publication	Description	Authors	Year	Link or DOI
Poster	Friday, 16 September 2022, Conference "Beating the Heat", Bern, Switzerland	Stefan Bronnimann	2022	<a href="https://drive.google.com/file/d/12ywVSHK7xnV7Q0G8h1083oXUm8nmeIbM/view?usp=sharing">https://drive.google.com/file/d/12ywVSHK7xnV7Q0G8h1083oXUm8nmeIbM/view?usp=sharing</a>
Oral presentation	30.6.2022, "Agroecoinfo 2022 conference", Volos, Greece <a href="https://agroecoinfo2022.civ.uth.gr/en">https://agroecoinfo2022.civ.uth.gr/en</a>	Branislava Lalic, Ivan Koci, Mark Roantree	2022	<a href="https://drive.google.com/file/d/1mhrcl6USMYDI5Wnm5eWUeddd-6NsFxtz/view?usp=sharing">https://drive.google.com/file/d/1mhrcl6USMYDI5Wnm5eWUeddd-6NsFxtz/view?usp=sharing</a>
Oral presentation	8.9.2022. EMS2022 conference, Bonn (Germany)	Branislava Lalic	2022	<a href="https://drive.google.com/file/d/1DPPPAQGeVBhfqt1sMIW78JCDmMGp-Om/view?usp=sharing">https://drive.google.com/file/d/1DPPPAQGeVBhfqt1sMIW78JCDmMGp-Om/view?usp=sharing</a>
Joint paper	"Identifying Crop and Orchard Growing Stages Using Conventional Temperature and Humidity Reports"	Branislava Lalic, David R. Fitzjarrald, Ana Firanj Sremac, Milena Marcic and Mina Petric	2022	<a href="https://doi.org/10.3390/atmos13050700">https://doi.org/10.3390/atmos13050700</a>
Invited lecture	8.9.2022. EMS2022 conference, Bonn (Germany)	Branislava Lalic, David R. Fitzjarrald, Ana Firanj Sremac, Milena Marcic and Mina Petric	2022	<a href="https://drive.google.com/file/d/1nNnaR5aIMj03KF76591x9Cy3AFPuWpNU/view?usp=sharing">https://drive.google.com/file/d/1nNnaR5aIMj03KF76591x9Cy3AFPuWpNU/view?usp=sharing</a>
Poster	<a href="https://iac2022.gr/">4-9 September 2022, Athens, Greece: 11th International Aerosol Conference, https://iac2022.gr/</a>	Terje Tammekivi, Raido Kiss, Marko Kaasik, Steffen Noe, Heikki Junninen, Urmas Hörrak	2022	<a href="https://docs.google.com/presentation/d/13imYAkRvbsVZ993xldDjZe-GnrVkuLpw/edit#slide=id.p1">https://docs.google.com/presentation/d/13imYAkRvbsVZ993xldDjZe-GnrVkuLpw/edit#slide=id.p1</a>
Poster	<a href="https://www.equ22.eu/">EGU General Assembly 2022, 23-27 May 2022, Vienna, Austria; https://www.equ22.eu/</a>	Dragan Milošević, Branislava Lalić, Stevan Savić, Benjamin Bechtel, Mark Roantree, Simone Orlandini	2022	<a href="https://drive.google.com/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpT">https://drive.google.com/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpT</a>
Oral presentation	<a href="#">EMS Annual Meeting</a>	Dragan Milošević,	2022	<a href="https://drive.google.com">https://drive.google.com</a>

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	<a href="https://www.ems2022.eu/">2022: 4-9 September 2022, Bonn, Germany: https://www.ems2022.eu/</a>	Stevan Savić, Ivan Šećerov, Jelena Dunjić		<a href="https://drive.google.com/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpTT">/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpTT</a>
Oral presentation	<a href="https://www.ems2022.eu/">EMS Annual Meeting 2022: 4-9 September 2022, Bonn, Germany: https://www.ems2022.eu/</a>	Jelena Dunjic, Stevan Savic, Dragan Milosevic, Ivan Secerov	2022	<a href="https://drive.google.com/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpT">https://drive.google.com/drive/u/0/folders/1BBgZgna2NTqShlXfe9fqLsPb3w9rSEpT</a>
Oral presentation	XI SYMPOSIUM with international participation "Innovations in Field and Vegetable Crops Production" 12 - 13 October 2023 Belgrade	Ružica Stričević, Aleksa Lipovac, ...	2023	<a href="https://agrif.bg.ac.rs/uploads/attachment/najava/3/First_announcement_AGROIN_2023.pdf">https://agrif.bg.ac.rs/uploads/attachment/najava/3/First_announcement_AGROIN_2023.pdf</a>
Oral or Poster presentation	<a href="http://www.isae.agrif.bg.ac.rs/">The 6th International Symposium on Agricultural Engineering 19th to 21st October 2023, Faculty of Agriculture in Belgrade, Serbia http://www.isae.agrif.bg.ac.rs/</a>	Ružica Stričević, Aleksa Lipovac, ...	2023	<a href="http://www.isae.agrif.bg.ac.rs/">http://www.isae.agrif.bg.ac.rs/</a>
Oral presentation	<a href="https://www.fairness-ca20108.eu/wp-content/uploads/2023/10/A3C_AFS_Presentation.pdf">1st International Scientific Conference „Agricultural Challenges to Climate Change“, which will be held in Osijek (Croatia), 19 – 22 September 2023.</a>	Ana Firanj Sremac, Branislava Lalic	2023	<a href="https://www.fairness-ca20108.eu/wp-content/uploads/2023/10/A3C_AFS_Presentation.pdf">https://www.fairness-ca20108.eu/wp-content/uploads/2023/10/A3C_AFS_Presentation.pdf</a>
Poster	<a href="https://www.equ23.eu/">https://www.equ23.eu/</a> ; European Geosciences Union, General Meeting 2023, April 2023, Vienna, Austria	Mark Roantree, Branislava Lalic, Stevan Savic, Dragan Milosevic, Michael Scriney	2023	<a href="https://doi.org/10.5194/egusphere-equ23-7786">https://doi.org/10.5194/egusphere-equ23-7786</a>
Oral presentation	<a href="https://biomet23.asu.edu/">https://biomet23.asu.edu/</a> ; International Congress of Biometeorology, Tempe, Arizona, USA	Stevan Savic, Dragan Milosevic, Jelena Dunjic, Mark Roantree, Gert-Jan Steeneveld, Branislava Lalic	2023	<a href="https://ezfjnmvkr7.exactdn.com/wp-content/uploads/sites/25/2023/05/ICB2023_Abstacts_Wednesday.pdf">https://ezfjnmvkr7.exactdn.com/wp-content/uploads/sites/25/2023/05/ICB2023_Abstacts_Wednesday.pdf</a>
Poster	<a href="https://icuc11.com/about/">https://icuc11.com/about/</a> ; 11th International Conference on Urban Climate, Sydney, Australia	Stevan Savic, Dragan Milosevic, Jelena Dunjic, Mark Roantree, Steven Caluwaerts, Benjamin Bechtel, Branislava Lalic	2023	<a href="https://icuc11.com/wp-content/uploads/2023/08/Friday-1-September-poster-listing3.pdf">https://icuc11.com/wp-content/uploads/2023/08/Friday-1-September-poster-listing3.pdf</a>
Other	Constructing a Searchable Knowledge Repository for FAIR Climate Data	Mark Roantree, Branislava Lalic, Stevan Savic, Dragan Milosevic, Michael Scriney	2023	<a href="https://arxiv.org/abs/2304.05944">https://arxiv.org/abs/2304.05944</a>
Joint paper	URBANIZATION TRENDS IN THE 21ST CENTURY – A DRIVER FOR NEGATIVE CLIMATE, NOISE AND AIR QUALITY IMPACTS ON URBAN	Stevan Savic, Dragan Milosevic, Jelena Dunjic	2022	<a href="http://www.dgt.uns.ac.rs/en/homepage/pannonica/all-volumes/pannonica-volume-26-issue-4-december-2022/pannonica-">http://www.dgt.uns.ac.rs/en/homepage/pannonica/all-volumes/pannonica-volume-26-issue-4-december-2022/pannonica-</a>

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	POPULATION			<a href="#">volume-26-issue-4-7-december-2022/</a>
Joint paper	Air Temperature and Relative Humidity Datasets from an Urban Meteorological Network in the City Area of Novi Sad (Serbia)	Stevan Savic, Ivan Secerov, Branislava Lalic, Dongyun Nie, Mark Roantree	2023	<a href="https://www.sciencedirect.com/science/article/pii/S2352340923005255?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2352340923005255?via%3Dihub</a>
Poster	Beating the Heat 2023 Conference, Zurich, "A Spatial Analysis Approach for Assessing Temperature Variations in European Urban Areas"	Setareh Amini	2023	<a href="https://bth2023.ethz.ch/programm.html">https://bth2023.ethz.ch/programm.html</a>

## **oProposals**

The list of submitted proposals has 12 entries. The proposals have been submitted to seven different funding organisations. One was successful, the status of most others is “under evaluation”. The successful proposal “Urban Greenspace and Climate in a Network of Urban Climate Networks (URBNET)” started in May 2023 and was funded for four years by the Swiss National Science Foundation.

The list of submitted proposals has 14 entries. The proposals have been submitted to seven different funding organisations.

Three were successful up to now, the status of six others is “under evaluation”.

The successful proposal “Urban Greenspace and Climate in a Network of Urban Climate Networks (URBNET)” (COST Actions) started in May 2023 and is funded for four years by the Swiss National Science Foundation.

The successful proposal “CYGMEN: Cyprus GNSS Meteorology Enhancement” («RESTART 2016-2020» Programmes for Research, Technological Development and Innovation of the Research and Innovation Foundation) started in December 2023 and is funded by the Cyprus Research Innovation Foundation.

The successful proposal “Satellite Water VApour Service CYprus (SWVASCY)” (ESA-European Space AgencyTender for the Fifth Call for Outline Proposals under the Plan for European Cooperating States (PECS) in Cyprus) funded by the Cyprus, ESA-European Space Agency.

The proposals under evaluation are: (i) “Building regional resilience via large scale uptake of systemic solutions in agricultural ecosystem” - HORIZON-MISS-2023-CLIMA-01 by University of Novi Sad; (ii) “AIRNESS: Health effects of air pollution and noise in Eastern and South Eastern Europe: Integrating Research and empowerment of citizens, societies and policy to support EU zero pollution ambition” - HORIZON-HLTH-2024-ENVHLTH-02-06-two-stage by Faculty of Sciences University of Novi Sad (as partner); (iii) “Creating energy and environment conditions for greener and sustainable Croatia-Serbia cross-border region” -

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Interreg-IPA CBC Croatia-Serbia by Faculty of Sciences University of Novi Sad; (iv)

“Interactive climate-service system - Use of green infrastructures and online toolkit for better adaptation and resilience to the hazards of climate change in the Croatia-Serbia cross border region” - Interreg-IPA CBC Croatia-Serbia by Faculty of Sciences University of Novi Sad; (v) “Creation of an observation network of micrometeorological measurements and assessment of weather risks” – Ministry Research Program by Ministry of Regional affairs and agriculture, Estonia and (vi) “HyBioM: A hybrid Biometeorological Technology for Creating Digital Twins for Climate, Biological, and Industry Applications” - HORIZON-EIC-2024-PATHFINDEROPEN-01 by Horizon Europe.



### 3. Communication with stakeholders

The aim of the survey has been to gather comprehensive information regarding the stakeholders of the COST action, including a concise overview of the stakeholders involved and the contact person's name, along with their pertinent details (email, phone, address). The dates and methods of potential contact provided are indicative and subject to change based on the organisation of activities.

Table. 2 Stekeholder's list

<b>Stakeholders</b>
Universities & Research centers (e.g. COST action)
Students and lecturers of various disciplines (agriculture, environmental studies) (e.g. Participation in workshops and summer schools)
Farmer associations & farmer cooperatives
Landowner associations
Crops producers
Agrometeorological tools producers
Seed & pesticide producers
GNSS Meteorology, low-cost GNSS receivers for RH (e.g. Advising services)

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Local / Regional governments incl. authorities involved in rural and urban development
National ministries in agriculture and the environment & EU authorities
Environmental Protection Agency
Institute of Public Health (e.g. NGOs promoting the environment, rural development or sustainable farming)
Project web page (e.g. Social networks (via official project profiles on Youtube, Instagram, Facebook and Twitter))
Project web page (e.g. Science, farming urban climate and environment publications and/or journalists)
Project web page (e.g. Generic media outlets (national/regional/local) incl. online publications)
PhD students
Researchers
Water management planners
Students and lecturers of various disciplines (agriculture and forestry) (e.g. Social networks (via official Soil and Water Management Institute Instagram, Facebook and...))
Students and lecturers of Agriculture
Farmers' Association

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PhD and MSc students
Open platform for climate science
Ministry of Environment and Water
Research Institute
City Administration
Media (newspaper, TV)
Ministry of Environment, Urbanization and Climate change, Türkiye

The list on the communication with stakeholders has 45 entries. There are 6 different types of stakeholders. The type of stakeholder is characterised as one of the following: Higher Education, Industry/ Business/SME, Institutions/ Organizations, Media, Policymakers/government organisations, and scientific community. Of these, the scientific community, media, and higher education have the largest shares (Fig. 2).

Scientific community is the most numerous of all stakeholders. It is estimated that the number of these stakeholders will increase before the project is completed.

The countries listed encompass Austria, Bosnia and Herzegovina, Bulgaria, Cyprus, Germany, Italy, Serbia, Türkiye as well as international activities

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Fig. 1. Types of stakeholders of report FAIRNESS activities.

#### **4. Conclusions**

COST Actions, by their nature as international collaboration networks aimed at facilitating scientific and technological progress, see dissemination as a fundamental objective for several reasons. These include increasing the project's visibility, expanding the impact of the research, and engaging a wide range of stakeholders.

The objective of WG3 is to enable effective dissemination of activities and results, contributing to increased project visibility. Communicating achievements and discoveries through articles, presentations, conferences, and social media attracts the attention of the scientific community, funders, and the general public. This can lead to new collaborations, additional funding, and greater international recognition.

Dissemination is not limited to spreading information but also aims to expand the impact of the research. Sharing results with various stakeholders (industries, government agencies, non-governmental organizations, and the general public) can lead to the practical application of scientific discoveries. This not only improves society and the economy but also demonstrates the tangible value of the research funded by COST Actions.

Indeed, dissemination facilitates stakeholder engagement, including not only other researchers but also policymakers, entrepreneurs, educators, and citizens. Actively involving these groups in the dissemination phase ensures that diverse perspectives are considered, improving the quality and relevance of the research. Additionally, it enhances transparency and trust in the work being done, which is essential for the continued support of research activities.

In summary, dissemination is a crucial element in COST Actions for maximizing the value and impact of scientific research. Through a well-planned and executed dissemination strategy, COST Actions can ensure that research results reach a broad and diverse audience, fostering scientific progress and social and economic well-being.