



Deliverable Title

Document authors:	Bálint Pernecker (UP)
Document contributors:	Zoltán Csabai (UP)

Abstract

This report summarizes all information about the final dissemination webinar of DRYVER, that was held on 20 March 2025 on MS Teams platform. On the webinar, all technical Work Packages (1-5) presented their key findings and take-home-messages, and WP6 presented the DRYRivERS citizen science initiative of the project. The presentations were followed by a Question-and-Answer session. The recording of the webinar is publicly available on the YouTube channel of DRYVER (<https://www.youtube.com/watch?v=KPoWGgeudH0>).

Keywords:

webinar, video, presentation, take-home-message, YouTube

Information Table

PROJECT INFORMATION	
PROJECT ID	869226
PROJECT FULL TITLE	Securing biodiversity, functional integrity and ecosystem services in DRYing riVER networks
PROJECT ACRONYM	DRYvER
FUNDING SCHEME	Horizon Europe
START DATE OF THE PROJECT	1st September 2020
DURATION	48 months
CALL IDENTIFIER	LC-CLA-06-2019

DELIVERABLE INFORMATION	
DELIVERABLE No AND TITLE	D6.6 Final Dissemination Workshop
TYPE OF DELIVERABLE ¹	R
DISSEMINATION LEVEL ²	PU
BENEFICIARY NUMBER AND NAME	10 – UP
AUTHORS	Bálint Pernecker
CONTRIBUTORS	Zoltán Csabai
WORK PACKAGE No	WP6
WORK PACKAGE LEADER WP LEADER VALIDATION DATE	
COORDINATOR VALIDATION DATE	
Coordinator signature	

¹ Use one of the following codes:

R=Document, report (excluding the periodic and final reports)
 DEM=Demonstrator, pilot, prototype, plan designs
 DEC=Websites, patents filing, press & media actions, videos, etc.
 OTHER=Software, technical diagram, etc.
 ORDP : Open Research Data Pilot

² Use one of the following codes:

PU=Public, fully open, e.g. web
 CO=Confidential, restricted under conditions set out in Model Grant Agreement
 CI=Classified, information as referred to in Commission Decision 2001/844/EC.

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The Final Dissemination Webinar

Save-the-Date Invitation

The first invitation (Save the Date) for the Final Dissemination Webinar was sent out to the DRYvER newsletter subscribers (approx. 1000 addresses) and also to the consortium's inbound email list on 23 January 2025. This was also shared on DRYvER's X account on the same day (https://x.com/DRYvER_H2020/status/1882435113352569135, Fig1) and later in February it was shared on the LinkedIn account too (<https://www.linkedin.com/posts/dryver-h2020-microsoft-virtual-events-powered-by-teams-activity-7288540774852395008-PScS/>). The invitation contained the time of the webinar, some basic information on the aim of the event, and the link (<https://events.teams.microsoft.com/event/4cef2eaf-6d4a-4f44-baf4-7f60896703b4@a6689d18-9472-4986-bc45-f0875b767992>) for the pre-registration (which was mandatory for all participants).



Fig1. Save-the-Date type of announcement of the Final Webinar on the DRYvER X account

Agenda

The detailed Agenda of the Final Dissemination Webinar (Fig2) was shared via the same means of communication as the first invitation (email lists, social media). This was done on 24 February 2025.

X post: https://x.com/DRYvER_H2020/status/1893927147967746503

LinkedIn post: https://www.linkedin.com/posts/dryver-h2020_dryver-webinar-climatechange-activity-7299827449591156737-s3kC/



DRYvER
Final Webinar
20/03/2025 | 14:00 CET

14:00	Thibault Datry Welcome and introduction
14:05	Louise Mimeau: Changes in flow intermittence under climate change scenarios: from catchment to continental scale
14:15	Thibault Datry Present and future biodiversity responses to drying
14:25	Rubén del Campo: Drying but still functioning: Implications of drying on ecosystem functions at the river network scale
14:35	Jingyuan Di Ecosystem services in drying river networks
14:45	Lisette de Senerpont Domis: Co-creating desired futures for drying rivers: lessons from Europe and beyond
14:55	Zoltán Csabai DRYRivERS: the Citizen Science app for drying river networks
15:05	Questions & Answers

The **DRYvER** project is nearing its end, and we are excited to invite you to our **Final Webinar**, which will showcase the key outcomes of the amazing work that was performed by the consortium over the past four years.

Participation in the webinar is free but requires **pre-registration**.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 869226 

Fig2. The Agenda of the Final Dissemination Webinar

The Webinar

The webinar was held on MS Teams platform on 20 March 2025 from 14:00 CET, and the total length was 1 hour and 28 minutes. On the webinar itself the peak number of participants was 92.

The webinar started with Thibault Datry's short introduction (Fig3) about the project and its technical Work Packages (WP1-5) and their tasks in the adaptive management cycle. After that a presenter from each WP had 10 minutes to showcase the key findings and take-home-messages (Fig4-8). The last presentation was dedicated to the citizen science initiative of DRYvER, called DRYRivERS (Fig9). The webinar ended with a Question-and-Answer session (Fig10).

The webinar's recording is available on the project's YouTube channel: <https://www.youtube.com/watch?v=KPoWGgeudHO>

-move from parochial intermittent river studies to encompass river networks and their intrinsic diversity of flow regimes (drying being a key component of every river network).

-translate climate projections into changes in flow intermittence patterns at multiple scales, including that of the 9 strategically-selected focal DRNs.

-implement a dynamic meta-system perspective to understand the cascading changes in biodiversity, ecosystem functions and ecosystem services.

-develop a multi-criteria decision framework combining scientific, management, socio-economic, legislative barriers and leverages to promote an adaptive management of DRNs.

Timing: 1 September 2020 – 28 February 2025,

The DRYvER adaptive management cycle

Climate change

Hydrology
Fragmentation of river networks by drying

Ecosystem functions
Ecosystem integrity of river networks

Economic efficiency

Adaptive management of drying river networks

A meta-system perspective

The socioeconomic system

Legislation to support water management

* Maps of climate change impacts in DRNs
* Scenarios of biodiversity, ecosystem functions and services
* Identification of tipping points and of safe operational spaces
* Nature-based solutions assessment
* Economic efficiency
* Policy barriers and adaptation
* Stakeholder and citizen involvement

Fig3. Thibault Datry: Welcome and introduction (screenshot from the webinar)

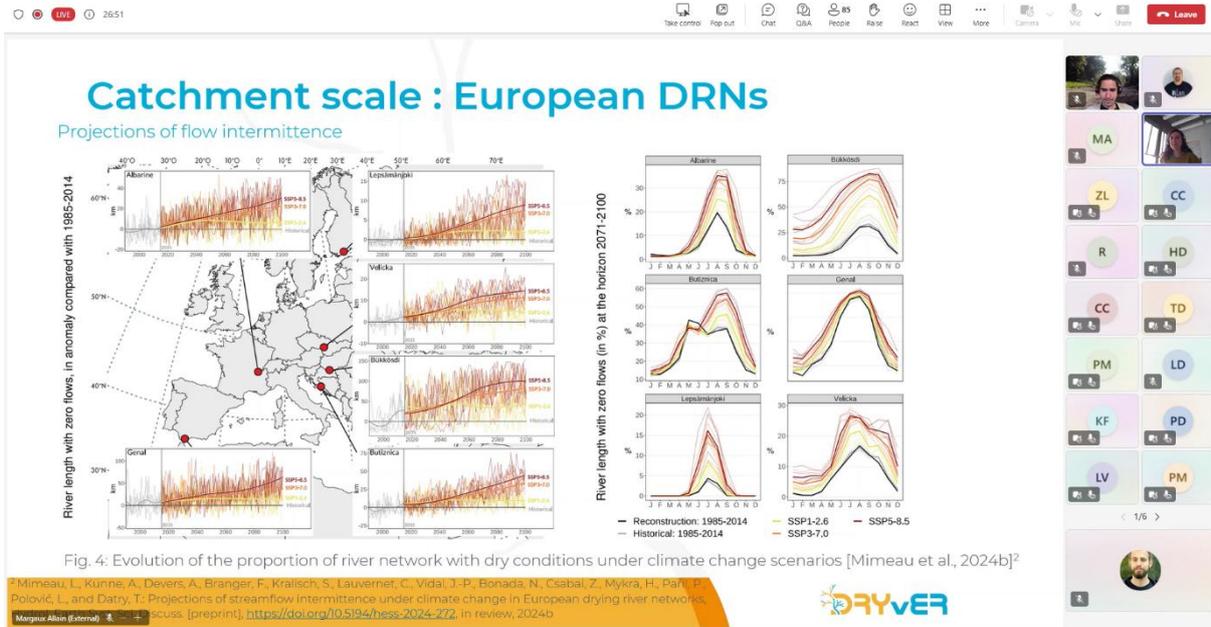


Fig4. Louise Mimeau (WP1): Changes in flow intermittence under climate change scenarios: from catchment to continental scale (screenshot from the webinar)

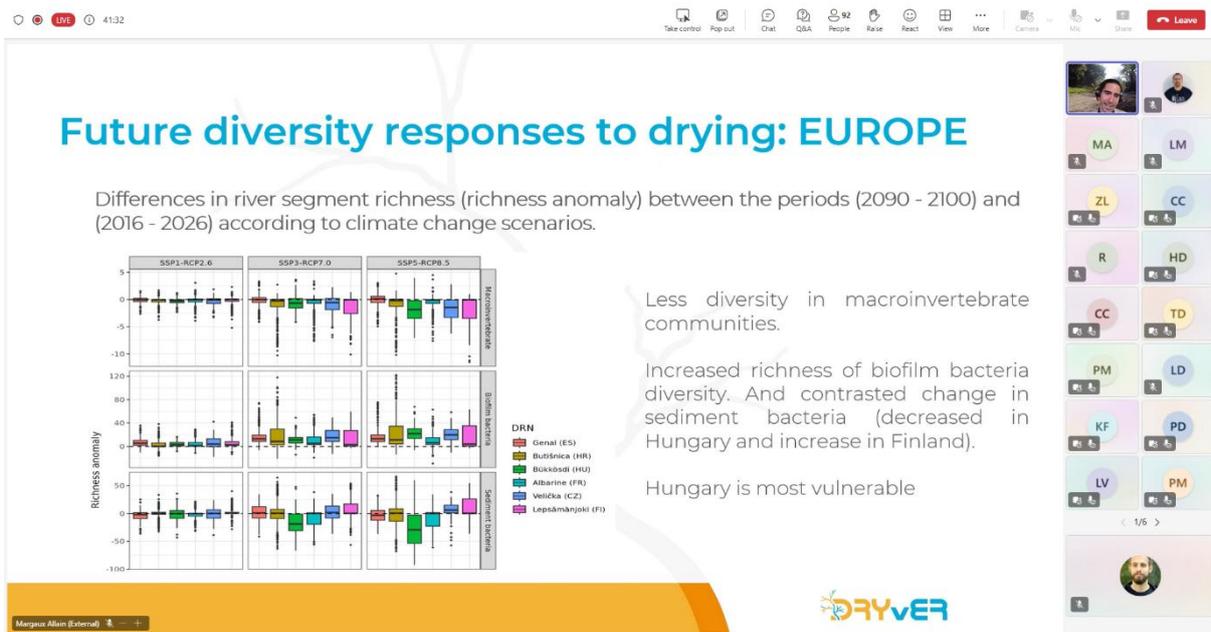


Fig5. Thibault Datry (WP2): Present and future biodiversity responses to drying (screenshot from the webinar)

Take-home messages

- 1. Drying but still functioning!**
 - Microbial decomposition still active during drying
 - Dry riverbeds important emitters of CO₂ → Inclusion in global C budgets
- 2. Legacy effect of drying**
 - Indirect effects mediated through changes in community composition can be as important as the direct impact of drying
- 3. Unique functioning**
 - Different drivers control ecosystem functioning in perennial and non-perennial reaches
 - Need to include ecology of non-perennial rivers in network management

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Fig6. Rubén del Campo (WP3): Drying but still functioning: Implications of drying on ecosystem functions at the river network scale (screenshot from the webinar)

Valuation of ES: Willingness to Pay Results

Attribute	Lepsämäenjoki	Genal	Bukkosdi-viz	Albarine	Velicka	Butiznica
Drying intensity						
Expected additional drying days	€2.75 (0.81)	€1.39 (0.41)	€0.74 (0.22)	€2.14 (0.63)	€1.27 (0.37)	€0.73 (0.21)
Drying period						
Length of the drying period	€14.45 (4.79)	€7.28 (2.41)	€3.91 (1.30)	€11.22 (3.72)	€6.67 (2.21)	€3.84 (1.27)
Biodiversity						
% of the area's small streams in a good state of biodiversity	€0.93 (0.47)	€0.47 (0.24)	€0.25 (0.13)	€0.72 (0.36)	€0.43 (0.22)	€0.25 (0.12)
% of species loss	€16.66 (1.44)	€8.39 (0.73)	€4.51 (0.39)	€12.93 (1.12)	€7.68 (0.67)	€4.42 (0.38)
Wildfire risks						
% chance of severe wildfire	€13.93 (1.21)	€7.07 (0.61)	€3.77 (0.33)	€10.81 (0.94)	€6.42 (0.56)	€3.70 (0.32)
Flood risks						
% chance of severe (flash) flood	€2.41 (0.77)	€1.21 (0.39)	€0.65 (0.21)	€1.87 (0.60)	€1.11 (0.35)	€0.64 (0.20)
Water quality						
% of the area's rivers and small streams in good condition	€0.62 (0.39)	€0.31 (0.19)	€0.17 (0.10)	€0.48 (0.30)	€0.29 (0.18)	€0.17 (0.10)

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Fig7. Jingyuan Di (WP4): Ecosystem services in drying river networks (screenshot from the webinar)

Major outcomes of co-creating desired futures

Across DRNs

- Need for improved education and awareness raising
- Need for better and more DRN relevant monitoring data
- Need for clear, non-conflicting and transparent governance structures
- Drying risk less perceived than flood risk
- Drying amplified by anthropogenic activities

DRN specific:

- Preferred NBS contextualized to local conditions
- Stakeholder conflicts
- Overuse vs underuse of the river network
- Reference state of the DRN

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Fig8. Lisette de Senerpont Domis (WP5): Co-creating desired futures for drying rivers: lessons from Europe and beyond (screenshot from the webinar)

DRYRivers - Three faces of the project!

1.) A DRYRivers smartphone app – Designed for field data recording. Only knows this but the simplest and most professional way!!
Available in 23 languages

2.) A DRYRivers web app – Database and data visualization. All (functions) in one, integrated into the project website. Visualization of data using spatial and time filters, editing, single and mass uploading, downloading, statistics and searches.
<https://www.dryver.eu/app> Only available in English.

3) Supporting webpage, social media and files
– Introduction, tutorials and how-to documents, promotional materials, suggestions, tips, challenges.
Majority in English, but some are also available in other languages (CR, CZ, FI, FR, GE, GR, HU, SB, PL, SP)

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Fig9. Zoltán Csabai (WP6): DRYRivers: the Citizen Science app for drying river networks (screenshot from the webinar)

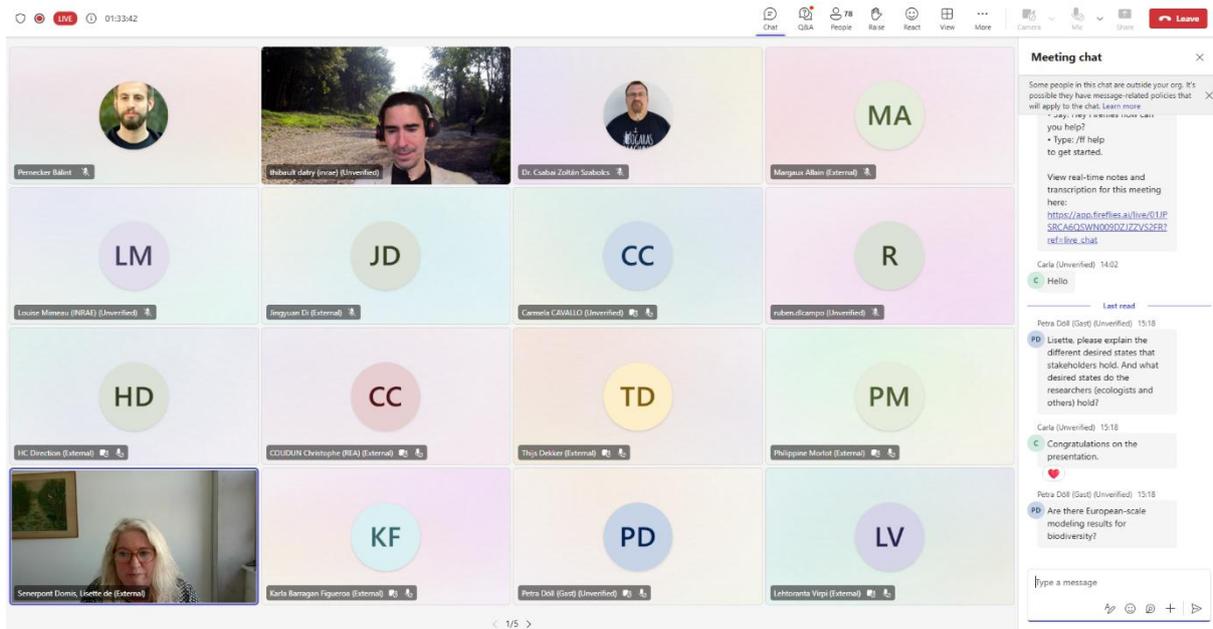


Fig10. Questions & Answer session (screenshot from the webinar)

