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# PDEC: Communication Activities, Tools & Resources

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Ingo Ball



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# Table of Contents

Ab	brev	viations, symbols and units	ed.
1	In	ntroduction	. 6
2	Та	arget groups and key messages	. 6
3	Тс	ools and channels	. 7
Э	3.1	Communication & dissemination tools and channels	. 7
4	Sy	ynergies with projects and initiatives	. 8
Z	1.1	European projects	. 8
Z	1.2	European initiatives	. 9
Z	1.3	iAMP-Hydro's External Steering Committee (ESC)	11
5	Vi	isual identity and project website	12
5	5.1	Visual identity	12
5	5.2	Logo	13
5	5.3	iAMP-Hydro project website	13
6	Di	issemination material	15
e	5.1	Project leaflet	15
e	5.2	Project roll-up	17
e	5.3	Project posters	18
7	Sc	ocial networks	18
7	7.1	LinkedIn	19
7	7.2	X (former Twitter)	20
7	7.3	Social media monitoring	22
8	Сс	ommunication activities	23
٤	3.1	Status of iAMP-Hydro communication activities	25
٤	3.2	Planning of iAMP-Hydro communication activities	26
9	Di	issemination activities	27
ç	9.1	Status of the iAMP-Hydro dissemination activities	29
ç	<del>)</del> .2	Planning of iAMP-Hydro dissemination activities	29
10	Ρι	ublications	31
11	St	takeholder involvement – Co-Development Workshops and Community of Practice	32
1	11.1	1 Co-Development Workshops	32
1	L1.2	2 Community of Practice	32
12	Ex	xploitation of results and IPR	33
13	Ke	ey performance indicators and monitoring of progress	42
14	Cl	losing remarks	43



# Table of Figures

Figure 1: Screenshot of website homepage	. 14
Figure 2: Project partners section of the iAMP-Hydro website	. 14
Figure 3: Start screen of the results' section (Files) of the iAMP-Hydro CoP	. 15
Figure 4: The iAMP-Hydro leaflet, showing four demo sites	. 16
Figure 5: The iAMP-Hydro general Roll-Up	. 17
Figure 6: Overview of different posters used for iAMP-Hydro	. 18
Figure 7: Screenshot of the iAMP-Hydro LinkedIn site	. 20
Figure 8: Screenshot of the iAMP-Hydro account on Twitter/X	. 21
Figure 9: Impressions form the first iAMP-Hydro Co-Development Workshop	. 32
Figure 10: Screenshot of the current discussion thread on predictive maintenance	. 33

# Table of Tables

Table 1: iAMP-Hydro C&D&E tools and channels7
Table 2: Synergies between recently completed, on-going and new European hydropower projects 8
Table 3: Overview of relevant European initiatives and expert groups, active in the field of hydropower,solar and wind power10
Table 4: Overview on iAMP-Hydro project partners' social media accounts
Table 5: Overview - Monitoring of iAMP-Hydro social media posts (November 2023 - March 2024). 22
Table 6: Template for reporting iAMP-Hydro communication activities         23
Table 7: Status of the iAMP-Hydro communication activities         25
Table 8: Planned communication activities
Table 9: Template for reporting iAMP-Hydro dissemination activities
Table 10: Status of the iAMP-Hydro dissemination activities         29
Table 11: Overview of dissemination opportunities for iAMP-Hydro         30
Table 12: Overview of identified iAMP-Hydro Target Group stakeholders         34
Table 13: iAMP-Hydro KPI monitoring





# 1 Introduction

This document describes the dissemination, exploitation and communication plan (C&D&E Plan) of the iAMP-Hydro project which provides information on implemented and planned C&D&E activities and aims to ensure that project results reach, inform and involve the relevant stakeholders and target groups.

The C&D&E plan is prepared on the basis of the Work Package on "Dissemination Communication, Exploitation & Co-Development – Phase I" (WP13, Task13.1). The iAMP-Hydro C&D&E Plan is developed in order to coordinate communication, dissemination and exploitation activities within the project and to guarantee the effective use of iAMP-Hydro project outcomes during and beyond project duration.

Communication and dissemination actions of the project will promote the exchange between experts, stakeholders and key actors. The plan presents the objectives of the dissemination and communication plan, the main target audiences and the key messages, to follow with the tools and channels (on- and offline). Within these tools and channels, different means and platforms, such as the website, the social media channels, the Community of Practice (CoP), media and press work as well as printed materials are explored. In addition, it also discusses the participation in national and international conferences, workshops, and events.

Furthermore, showcasing EU leadership in hydro digitalisation on global markets is considered throughout the iAMP-Hydro project to maximize the impact and market penetration of research results. International follow-up initiatives and projects will be conceptualised with interested scientific and private sector partners.

This version of the C&D&E plan presents an overview of the actions carried out from M1 to M6. As C&D&E activities are implemented during the entire lifetime of the project, the plan will be continuously updated by the project partners, summarising all C&D&E activities such as publications, conferences, presentations, social media actions etc.

# 2 Target groups and key messages

In order to maximise the impact of dissemination, communication and exploitation activities, the iAMP-Hydro project outcomes, information and activities must and will be tailored to different target groups (TG), considering aspects such as level of expertise and/or knowledge, geographical location, sociocultural dimension, etc. The following key target groups have been identified:

- TG1 EU and International hydropower plant operators
- **TG2** European, national and regional policymakers within the water or energy policy remits (DG Energy; DG Environment; Energy regulators)
- TG3 Solar and Wind power plant operators
- **TG4** Energy market stakeholders (retail companies, transmission system operators, distribution system operators)
- TG5 Hydropower electromechanical equipment providers
- **TG6** Data management, analytics and control companies
- TG7 Sensor technology developers
- **TG8** Scientific community with various fields (machine condition monitoring, hydrology, river ecology & biodiversity, hydropower & renewable energy)
- **TG9** The general public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security





# **TG10** Non-government organisations involved in energy, climate action, and environmental protection

# 3 Tools and channels

# 3.1 Communication & dissemination tools and channels

Different tools and channels will be used to disseminate and communicate the activities carried out by the iAMP-Hydro project as well as its results. Each tool and channel will be used appropriately to address different target groups at different stages of the project implementation, thereby increasing the effectiveness and impact of the C&D&E plan. The relationship between the tools and channels, the target groups and the expected results are presented in Table 1.

Table 1: iAMP-Hydro C&D&E tools and channels

Channels	Tools	Target groups	Expected impacts
Printed materials	Flyer		Raise awareness about the
	Poster	All target groups	project, its goals, expected impacts and inform about its
	Roll up		benefits
Online presence	Website		
	Social media	All target groups	Inform about project outcomes, completed and upcoming
	Introductory video		activities
Publications	Newsletters		Create awareness of the importance on digitalisation of hydropower plants to enhance a stable and increased RES output
	Articles	All target groups	
	Press releases		
	Media work		
Publications	Scientific papers	TG8	Enhance scientific expertise on innovative SAF technologies
Events (organised by iAMP-Hydro)	Co-Development Workshops and webinars	All target groups	Share & discuss results of the iAMP-Hydro activities, increase the outreach of iAMP-Hydro
	Final iAMP-Hydro event	All target groups	Present and discuss the final results of the iAMP-Hydro project
Events (attended by iAMP-Hydro)	Conferences and workshops	All target groups	Create awareness of the importance on digitalisation of hydropower plants to enhance a stable and increased RES output and the iAMP-Hydro project





# 4 Synergies with projects and initiatives

The iAMP-Hydro project is working together with the two other sister projects on digitalisation for the hydropower sector, D-HYDROFLEX and Di-Hydro, as well as with the hydropower projects HYDRO4U and WE-ACT. The five projects (including iAMP-Hydro) have established online cooperation calls and are planning joint events at different occasions. Current plans go until Summer 2025.

Furthermore, project partner WIP has coordinated the market-uptake projects HYPOSO and will use the contacts and experiences for iAMP-Hydro.

In addition, contact has already been established with ETIP Hydropower, PEN@Hydropower, and ETIP PV.

# 4.1 European projects

iAMP-Hydro has already liaised with recently completed, on-going and new European and international research, innovation and market-uptake projects to seek synergies in dissemination and communication activities (see Table 2).

Project	Brief description	C&D collaboration opportunities
D- HYDROFLEX	Title: Digital solutions for improving the sustainability performance and FLEXibility potential of HYDROpower D-HYDROFLEX will develop a toolkit for digitally 'renovating' the existing hydroelectric power plants based on sensors, digital twins, AI algorithms, hybridization modelling (power-to- hydrogen), cloud-edge computing and image processing to tackle the challenges posed by European Green Deal and the Digital Decade Policy Programme 2030 for Europe. Sister project to iAMP-Hydro funded under the same call for Development of digital solutions for existing hydropower operation and maintenance. <u>http://www.d-hydroflex.eu/</u> iAMP-Hydro has teamed up with D- HYDROFLEX in the beginning of 2024.	<ul> <li>Organisation of joint events (workshops, conferences, meetings, webinars)</li> <li>Participation at respective project events</li> <li>Cross promotion via online presence (websites, social media)</li> <li>Joint publications (articles, newsletters, press releases)</li> <li>Joint scientific papers</li> </ul>
Di-Hydro	Title: Digital Maintenance for Sustainable and Flexible Operation of Hydropower Plant Di-Hydro's innovation involves introducing a Decision-Making Platform and Digital Twin technology to the hydropower sector.	<ul> <li>Organisation of joint events (workshops, conferences, meetings, webinars)</li> <li>Participation at respective project events</li> <li>Cross promotion via online presence (websites, social media)</li> </ul>

Table 2: Synergies between recently completed, on-going and new European hydropower projects





	Sister project to iAMP-Hydro funded under the same call for Development of digital solutions for existing hydropower operation and maintenance <u>https://dihydro-project.eu</u> iAMP-Hydro has teamed up with Di-Hydro in the beginning of 2024.	-	Joint publications (articles, newsletters, press releases) Joint scientific papers
WE-ACT	Title: Water Efficient Allocation in a Central Asian Transboundary River Basin The EU-funded WE-ACT project aims to develop a decision support system for water allocation in Central Asia's Naryn and Kara Darya catchments, enhancing water efficiency and addressing climate change impacts. <u>https://weact-project.eu/</u> iAMP-Hydro has teamed up with WE-ACT in the beginning of 2024.	-	Organisation of joint events (workshops, conferences, meetings, webinars) Participation at respective project events Cross promotion via online presence (websites, social media) Joint publications (articles, newsletters, press releases)
HYDRO4U	Title: Hydropower For You - Sustainable Small-Scale Hydropower in Central Asia Hydro4U is an EU-funded project that aims at demonstrating European small-scale hydropower technologies in Central Asia. <u>http://www.hydro4u.eu/</u> iAMP-Hydro has teamed up with HYDRO4U in the beginning of 2024.	-	Organisation of joint events (workshops, conferences, meetings, webinars) Participation at respective project events Cross promotion via online presence (websites, social media) Use of the experiences and contacts in Central Asia made by HYDRO4U Joint publications (articles, newsletters, press releases)
HYPOSO	Title: Hydropower solutions for developing and emerging countries The HYPOSO Project (finished in 2023) supported the European hydropower industry and was fostering a sustainable development in selected target countries in Africa and Latin America. <u>www.hyposo.eu</u> WIP was coordinator of the project and is still in contact with the HYPOSO consortium.	-	Use of the network established in the HYPOSO project -Use of the experiences and contacts in Africa and Latin America

# 4.2 European initiatives

iAMP-Hydro has already sought and will seek synergies and joint activities with the following European initiatives and expert groups active in the field of hydropower, solar and wind power.



Table 3: Overview of relevant European initiatives and expert groups, active in the field of hydropower, solar and wind power

Initiative	Brief description	C&D collaboration opportunities
ETIP Hydropower	The ETIP Hydropower aims to be a recognised interlocutor for the European Commission, Member States and Associated Countries about the hydropower's sector specific R&I needs. <u>https://etip-hydropower.eu/</u> iAMP-Hydro has already achieved, that ETIP Hydropower has started a platform for European research projects on hydropower: <u>https://hydro- consultation.eu/hydropower- europe-consultation- programme/HERIHydropower-in- Europe-ResearchInnovation/</u> Steering Committee member Emanuele Quaranta (JRC Ispra) can be seen as enabler for this platform. Strategic preparation calls happened between E. Quaranta, Aonghus McNabola (TCD), and Ingo Ball (WIP) in January 2024.	<ul> <li>Articles in EERA Bioenergy newsletter</li> <li>Knowledge and information exchange</li> <li>Organisation of joint events (workshops, conferences, meetings, webinars)</li> <li>Participation at respective project events</li> <li>Cross promotion via online presence (websites, social media)</li> </ul>
PEN@Hydropower	PEN@Hydropower is a network to establish a Pan-European network for a sustainable, digitalised Hydropower contributing to the Clean Energy Transition (CET). <u>https://www.pen-hydropower.eu/</u> iAMP-Hydro has already established contact with the Working Group on Digitalisation. In addition, A. McNabola (TCD) is member of PEN@Hydropower.	<ul> <li>Knowledge and information exchange</li> <li>Organisation of joint events (workshops, conferences, meetings, webinars)</li> <li>Participation at respective project events</li> <li>Cross promotion via online presence (websites, social media)</li> </ul>





ETIP PV	ETIP PV has a focus on the challenges facing the European photovoltaic sector. It makes recommendations to improve the competitiveness of the European PV industry, both the upstream segments and the downstream (incl. technical solutions for grid integration, market solutions for grid integration, installation). <u>https://etip-pv.eu/</u> iAMP-Hydro has already contacted the ETIP PV Secretariat which is run by iAMP-Hydro partner WIP.	<ul> <li>Participation at respective project events</li> <li>Knowledge and information exchange</li> <li>Cross promotion via online presence (websites, social media)</li> </ul>
ETIP Wind	ETIPWind gathers 35 wind industry and research experts who define common Research and Innovation (R&I) recommendations for EU and national policymakers. One of the ETIPWind's missions is to identify strategic R&I priorities for wind energy so it can feed the elaboration of the calls for proposals of Horizon Europe – the EU's funding programme for R&I. https://etipwind.eu/	<ul> <li>Participation at respective project events</li> <li>Knowledge and information exchange</li> <li>Cross promotion via online presence (websites, social media)</li> </ul>

# 4.3 iAMP-Hydro's External Steering Committee (ESC)

ESC Member	Expertise	Main role in iAMP-Hydro
Dr. Emanuele Quaranta	Emanuele Quaranta is a scientific officer at the Joint Research Center of the European Commission (Ocean and Water Unit). He performs scientific analyses in support of policy strategies for the European Union, collaborating with several institutions and agencies, and is also very active in technology development and innovations in the water- energy field, collaborating with international companies and research centers.	Advice on the project approach and support for iAMP-Hydro by using the own network.
Dr. Sorin Cheval	Sorin Cheval is a climatologist with a background in Geography. Since 2014, he is the main convener of the Urban Climate and Biometeorology of the European Geophysical Union (EGU). Areas of research focus include	Contribution and advice to flow forecasting (WP6 & 7), advice on the general project approach.





	improving the integrated use of remote sensing and other data in monitoring the urban climate and assessing the urban heat island impact, climate variability, and climate hazards.	
Dr Theodore Dalamagas	Theodore Dalamagas is Research Director and Vice Director of Information Management Systems Institute at ATHENA Research Center, as well as co-founder and Research Director of Symbiolabs (spinoff of ATHENA). He has more than 20 years of R&I experience of running and coordinating EU and national R&I IT projects. His research and technology areas of interest include scientific databanks and e- research infrastructures, data Web and information retrieval, data interoperability and integration, as well as data services and data science applications for several domains.	Contribution to the work packages dedicated at the use of data (WP8, 9 & 10)

# 5 Visual identity and project website

# 5.1 Visual identity

The main elements of iAMP-Hydro's Project corporate identity are explicitly displayed in this chapter.

#### iAMP-Hydro fonts:

Logo: Urbanse Rounded

Text: Calibri

The colour codes for iAMP-Hydro are as follows:

blue light

CMYK 70, 15, 0, 0 / RGB 54, 169, 225 / #36a9e1

blue dark

CMYK 85, 50, 0, 0 / RGB 29, 113, 184 / #1d71b8

#### gradients:

orange CMYK 2, 42, 76, 0 / RGB 243, 15, 75 / #f3a54b red CMYK 4, 78, 62, 0, / RGB 228, 86, 82 / #e45652 blue light CMYK 84, 42, 9, 0 / RGB 14, 124, 182 / #0e7cb6 blue dark CMYK 92, 70, 26, 10 / RGB 42, 77, 125 / #2a4d7d





#### Purple-grey

CMYK 29, 20, 4, 0 / RGB 191, 198, 224 / #bfc6e0

## 5.2 Logo

iAMP-Hydro Logo: Script "iAMP-Hydro" with a stylised globe, showing on the bottom water, and referring to digitalisation by showing information channels that are sent out from the globe, which shall represent the iAM Platform.

Font: Urbanse Rounded

The project logo is available in different sizes and is used by the partners in all communication and dissemination materials.

Furthermore, a standard reporting template (in DOC format) for all project deliverables and reports was developed by WIP using the visual identity.





iAMP-Hydro Templates: A PowerPoint (PPT) presentation template and a Word document template have been developed for a consistent presentation of the project outcomes. Both templates include dedicated tables, schematics, and bullet point designs. An EU disclaimer with the project Grant Agreement number and EU flag is involved in the documents.

The iAMP-Hydro logo and (PPT and Word) templates are available for all iAMP-Hydro partners at the shared file system: <u>https://iamp-hydro.emdesk.com/</u>

# 5.3 iAMP-Hydro project website

The iAMP-Hydro project website has been developed to disseminate relevant information and outcomes by a professional web developer using a systematic process. It was launched to the public in December 2023. Clear instructions, along with the project requirements, were provided, and the most suitable Content Management System was chosen for smooth website monitoring. The website design is based on the project's selected colour codes and logo creation concept. The images used on the website consist of free-stock photos.

The website can be accessed under www.iamp-hydro.eu (Figure 1).

Accessible to all interested stakeholders, the website includes key information about the project and its targets. All deliverables scoped for the public will be made available on the project website. The website is available in English. The website will be continuously updated by WIP in cooperation with the project partners.

The structure of the iAMP-Hydro website was elaborated by WIP Renewable Energies in close cooperation with the coordinator TCD and all project partners and includes the following horizontal menu:



- Home
- About
- Our Approach
- Demo Sites
- News
- Events
- Partnerships
- Community of Practice



Figure 1: Screenshot of website homepage

#### All iAMP-Hydro project partners are listed under the menu "About/The partners" (Figure 2).



Figure 2: Project partners section of the iAMP-Hydro website

The audience overview of the project website is tracked on regular basis.

A remarkable feature of the iAMP-Hydro project website is the so-called "Community of Practice" (<u>https://www.iamp-hydro.eu/community-of-practice/</u>). In this password-secured section, the iAMP-



Hydro project partners are openly (all TGs are invited) presenting and discussing the results of their work.

$\leftrightarrow$ $\rightarrow$ $\bigcirc$ $\bigcirc$ https://cop.iamp-hy	dro.eu/index.php/apps/files/files/3512?dir=/IAMP-Hydro%20-%20Community%20of%20Practice 🗄 A 🟠 🚺 😫	• 0	3   Ф	£ @	· · · · 🐼
🛅 Organisation 🚯 Password Safe 🔝 Global Tra	de Sanke 🔆 Electricity Maps   C 📓 archive.today 🔯 Open Courseware f 🗳 Börsenstrompreise 🛰 Beitrittserklärung 🚺 EU Funding 8	k Tend		>	📁 Weitere Favoriten
				AL	· • 🚯
All files	EX All files > iAMP-Hydro - Community of Practice 🐇 + New				
🖸 Recent	Name 🔺			Size	Modified
★ Favorites	Ol_Community of Practice - Welcome     Shared	·2 ·		1.2 MB	3 weeks ago
t Shares	01_Community of Practice - Condition monitoring of hydropower equipment	+ <u>•</u> -		679 KB	3 weeks ago
<ul> <li>Shared with you</li> </ul>					
Shared with others	O2_Community of Practice - Predictive Maintenance Modelling	÷ <b>.</b> .		1.5 MB	3 weeks ago
Shared by link	3 folders			3.4 MB	
Deleted shares					
2 Pending shares					
Solution Tags					
Deleted files					
C 3.4 MB of 5 GB used					
Files settings					

Figure 3: Start screen of the results' section (Files) of the iAMP-Hydro CoP

The Community of Practice was started later than originally planned (December 2023). After clarifying final technical and function issues, it was published in mid-March 2024. It has currently 43 members and shall reach 100 members in month 12 of the project.

# 6 Dissemination material

In order to increase the visibility of the project and to facilitate dissemination activities, a set of information and promotion materials was developed. All marketing materials are available on the project website.

# 6.1 Project leaflet

The iAMP-Hydro leaflet was elaborated in English by WIP. The leaflet includes a short summary of the project including the innovative approach, project R&I impact, list of project partners, and invitation to participate in Co-Development workshops and to join the Community of Practice. The leaflet is available on the project website. Printed copies of the iAMP-Hydro leaflet have already been made available and will be disseminated by the project partners at regional, national and international events.

Remark: The currently used leaflet is showing four of finally planned five demonstration sites. The fifth demonstration site and the tenth iAMP-Hydro project partner were not yet finally confirmed when this report was written.







#### The iAMP-Hydro Project

The current hydropower plant fleet in the EU is aged, and it is estimated that 50% of the fleet will require upgrade actions by 2030. In particular, modernisation actions related to digitalisation are required in the short to medium term, in order to offer enhanced services, increase grid flexibility, environmental and socio-economic sustainability and to foster the green and digital transitions in Europe.

The iAMP-Hydro project will improve the operations of existing hydropower stations through the development of new digital sensors and services. Combined, these will form a novel intelligent Asset Management Platform, the iAMP.

The IAMP will encompass secure, open and transparent data-sharing protocols and three novel digital solutions. These include new condition monitoring and predictive maintenance tools for hydropower turbines, the ecological water status monitoring, and improved weather and flow forecasting.



The following aspects are worked on in the project to reach the iAMP-Hydro objectives:

- Condition Monitoring of Hydropower Equipment
- Predictive Maintenance Modelling
- Ecology Monitoring Sensor Development, Data Analysis & Smart Flow Steering
- Flow & Available Power Prediction Model Development
- Semantic Interoperability Mechanisms for Hydropower, Energy & other relevant Data
   End-User Requirements and Architecture Design for the ICT Components of IAMP-Hydro
  & IAMP implementation
- Data Analytics and Hydro Asset Management Platform Development
- System Validation in Operating Hydro plants & Case studies

#### The iAMP-Hydro demonstration sites

The different approaches are assessed in four different hydropower sites in Spain (Bermejales, La Vega, and Bérchules) and in Greece (Makrochori).



#### → Get involved

Over the course of the project, iAMP-Hydro invites interested stakeholders to participate in so-called Co-Development Workshops, to find out about the latest project results, to discuss these, and share opinions and experiences how the digitalisation of hydropower plants can contribute to an increased energy production from renewable energy sources.

> Stakeholders are also invited to learn and discuss the project results in the Community of Practice of the iAMP-Hydro project.

Figure 4: The iAMP-Hydro leaflet, showing four demo sites



# 6.2 Project roll-up

WIP developed a project roll-up in English which can be used in conferences and workshops. The rollup includes the background of the iAMP-Hydro project, QR code and written form of the website, as well as the EU disclaimer.



Figure 5: The iAMP-Hydro general Roll-Up





# 6.3 Project posters

In order to increase the project visibility at different events, WIP developed a series of project posters in English which can be used for poster presentations (Figure 6) at conferences and (co-development) workshops. The posters include the background of the iAMP-Hydro project and the contact details of the project partners. The posters are available in A4 to A0 formats.

The approach of using several updated posters together with the general project roll-up shall enable a cost-efficient way to inform about all parts of the project, and being able to easily produce update posters, so that at each occasion where posters are used, the most recent project status can be presented.



Figure 6: Overview of different posters used for iAMP-Hydro

# 7 Social networks

The iAMP-Hydro project is promoted through two main social media channels: LinkedIn and X (former Twitter). Project partners' accounts on LinkedIn and X are collected in order to facilitate the procedure of connecting and following each other.



Table 4: Overview on iAMP-Hydro project partners' social media accounts

iAMP- Hydro partner	Twitter	LinkedIn
TCD	@TCD_Civileng	
	@tcdengineering	https://www.linkedin.com/school/trinity-college- dublin-school-of-engineering/
Easy Hydro	n.a.	https://www.linkedin.com/company/easy-hydro/
CUERVA	@Cuerva	https://www.linkedin.com/company/cuerva/
Suite5	@suite5eu	https://www.linkedin.com/company/suite5/
CARTIF	@CARTIFCT	https://www.linkedin.com/company/cartif/
PPCR	@DEI_GR	https://www.linkedin.com/company/ppc- renewables/
WIP	@WIPRenewables	https://www.linkedin.com/company/wip-renewable- energies/
NORCE	@NORCEresearch	https://www.linkedin.com/company/norce/
NUSTPB	Twitter	https://www.linkedin.com/school/upb1818/

# 7.1 LinkedIn

A page for the project was created on LinkedIn: "iAMP-Hydro Project".

The aim of this page is to maintain a long-term and collaborative information sharing and discussion platform about international collaboration on the digitalisation of hydropower plants, in which news and results of the iAMP-Hydro project will be disseminated and discussed in addition to news from different projects, academics and professionals. The ambition is to make use of synergies with other projects and contributions to grow the group, and provide high quality source. This allows to put iAMP-Hydro in the spotlight for the duration of the project, and to keep in touch and report on potential future developments also after the project ends.

The iAMP-Hydro page was created by WIP and all consortium partners are invited to follow the project and to invite people in their networks. In addition, a link to the page was created on the project website to make it possible for stakeholders who are not in the consortium's network to find the LinkedIn presence.

Furthermore, the project partners are encouraged to share and post news about the project from their personal accounts in order to widen the outreach to the extent possible. The page is open to the public and anyone can follow.

Between November 2023 and March 2024, the follower number of the iAMP-Hydro LinkedIn page has increased to 111. In the same period, 18 posts were made with almost 2,800 impressions. External post from Steering Committee member Emanuele Quaranta (> 5,500 followers) and partner projects have increased the reach out for iAMP-Hydro, are however not counted here.





Figure 7: Screenshot of the iAMP-Hydro LinkedIn site

# 7.2 X (former Twitter)

Within iAMP-Hydro, X will be used as social media platform of secondary importance with respect to LinkedIn. The hashtag of the project is #iAMP\_Hydro. It should be always included in the tweets about the project when partners are tweeting from their accounts. This way # iAMP\_Hydro is an access point to communication on X for people interested in the project and also allows to have a global overview of all tweets related to the project. Whenever possible other hashtags (#...) should be included in the tweets like #hydropower, #digitalisation, #renewables, #energy and others depending on the specific message of the tweet or audience that is intended to be reached. Hashtags in national languages can be more efficient when tweeting about iAMP-Hydro in languages other than English.







Figure 8: Screenshot of the iAMP-Hydro account on Twitter/X

Between November 2023 and March 2024, 30 tweets hash tagging the project (#iAMP\_Hydro) had been made with more than 8,200 impressions.





# 7.3 Social media monitoring

 Table 5: Overview - Monitoring of iAMP-Hydro social media posts (November 2023 - March 2024)

				HOW?		WHO?					
Data	Dortnor Involved	Communication	Description	Communication	Event Type	Target Audience	Outcome	Estimated	Status	Supporting Link	
Date		Activity Name	Description		OR Other		(specific KPIs)	Reach	Status	Supporting Link	
	Y		*	Channel	*	Reached					
07.09.2023	TCD	Social media post	Researchers from @tcdengineering will lead a €4.1 million	Twitter / X		TG 1-10		549	Delivered	https://twitter.com/tcddublin/status/1699782144653234207	
			@HorizonEU project								
					-					https://www.lipkodip.com/food/update/update/update/update/21070922142600264492updateEntitul/powwr9/24/8/2	
29.09.2024	EASY HYDRO	Social media post	Another excellent Easy Hydro news 🛙	LinkedIn		TG 1-10		618	B Delivered	https://www.linkedin.com/reed/update/umiliactivity/7107962214560956446?updatechtityUmi=umi%5Ali%5	
29.09.2024	CLIERVA	Social media nost	Project introduction	Twitter / Y				170	Delivered	https://twitter.com/Cuerus/status/1707649407628214412	
23.03.2024	COLKIA	Social media post	Project introduction	Twittel / A				1/1	Delivered	https://twitter.com/cderva/status/1707045407028214412 https://twitter.com/cderva/status/1707045407028214412	
09.11.2023	SUITE5	Social media post	Post on project's KoM	LinkedIn		TG 1-10		543	2 Delivered	Afs_feedUndate%3a%28V2%2Cum%3all%3aactivity%3a7128378135993024513%29	
09.11.2023	SUITE5	Social media post	Post on project's KoM	Twitter / X		TG 1-10		39	Delivered	https://x.com/sulte5eu/status/1722612402393677994	
09.11.2024	CUERVA	Social media post	Project KOM	LinkedIn				78	5 Delivered	https://www.linkedin.com/feed/update/urn:li:ugcPost:7135251979911462913/	
21.11.2023	WIP	Social media post	GOOD NEWS FOR THE HYDROPOWER SECTOR!	LinkedIn		TG 1-10		610	Delivered	https://www.linkedin.com/feed/update/urn:li:activity:7134901421425971200	
22.11.2023	EASY HYDRO	Social media post	Kick Off Meeting celebration	LinkedIn		TG 1-10		393	B Delivered	https://www.linkedin.com/feed/update/urn:li:activity:7133045022408486912	
22.11.2023	PPCR	Social media post	Participation of PPCR in IAMP-Hydro	Twitter / X		TG 1-10		65	Delivered	https://twitter.com/ppcrenewables/status/1727289784073130366	
			/ / /							https://www.linkedin.com/posts/ppc-renewables %CE%B4%CE%B5%CE%B7-	
										%CE%B1%CE%BD%CE%B1%CE%BD%CE%B5%CF%8E%CF%83%CE%B9%CE%BC%CE%B5%CF%82-	
						IG4 - Energy market				%CF%83%CF%85%CE%BC%CE%B5%CF%84%CE%AD%CF%87%CE%B5%CE%B9-	
22.11.2023	PPCR	Social media post	Participation of PPCR in iAMP-Hydro	LinkedIn		stakeholders , TG9 - General		28	3 Delivered	%CF%83%CF%84%CE%BF-	
						public				%CE%B5%CF%81%CE%B5%CF%85%CE%BD%CE%B7%CF%84%CE%B9%CE%BA%CF%8C-activity-	
										7133054796030169089-mAQH	
										https://www.linkedin.com/posts/research-programs-initiative_press-release-iamp-hydro-activity-	
28.11.2023	PPC	Social media post	Tribute of the project in national newspapers	LinkedIn		TG 1-10		23	3 Delivered	7135180093244489729-Czjc?utm source=share&utm medium=member desktop	
30.11.2024	CUERVA	Social media post	Project KOM	Twitter / X				130	Delivered	https://twitter.com/Cuerva/status/1730308387974291732	
07.12.2023	WIP	Social media post	Hello now also on X	Twitter / X		TG 1-10		24	1 Delivered	https://twitter.com/iAMP_Hydro/status/1732741048357564683	
13.12.2023	WIP	Social media post	and action	Twitter / X		TG 1-10		31	8 Delivered	https://twitter.com/iAMP_Hydro/status/1734935699151839310	
14.12.2024	CUERVA	Social media post	Technical visit to Granada Hydropower plants	Twitter / X				17	B Delivered	https://twitter.com/Cuerva/status/1735359504416448607	
15.12.2023	WIP	Social media post	Great that #iAMP_Hydro is already on the way.	Twitter / X		TG 1-10		199	9 Delivered	https://twitter.com/iAMP_Hydro/status/1735622728265204081	
15.12.2023	WIP	Social media post	not to forget and honour to whom honour is due	Twitter / X		TG 1-10		159	Delivered	https://twitter.com/iAMP_Hydro/status/1735623206759727171	
18.12.2023	WIP	Social media post	Hi @MarenceMiro !	Twitter / X		TG8 - Scientific community		4:	L Delivered	https://twitter.com/iAMP_Hydro/status/1736704207275614475	
19.12.2024	CUERVA	Social media post	Technical visit to Granada Hydropower plants	LinkedIn				258	2 Delivered	https://www.linkedin.com/feed/update/urn:ll:ugcPost:7141072418265112576/	
21.12.2023	Miroslav Marence	Social media post	Hydropower plays a crucial role in the energy system	Twitter / X		TG8 - Scientific community		20	Delivered	https://twitter.com/MarenceMiro/status/1737819790062899661	
17.01.2024	14/10	Control and an anti-	We've had a very good discussion with #iAMP_Hydro Advisory	Turintan (M		TCO Colorabilito companyativa		15	Dellused		
17.01.2024	WIP	social media post	Board member Emanuele Quaranta from JRC	Twitter / X		108 - Scientific community		15.	belivered	https://twitter.com/nume_hydro/status/1/4/569609002066158	
17.01.2024	WIP	Social media post	We think that all #hydropower projects should get a stage	Twitter / X		TG1, 5, 8, 9		30	5 Delivered	https://twitter.com/iAMP_Hydro/status/1747570535712604261	
19.01.2024	Hydro4Uproject	Social media post	@Hydro4Uproject supports this idea.	Twitter / X		TG1, 5, 8, 9		1	5 Delivered	https://twitter.com/Hydro4Uproject/status/1748339531584008590	
23.01.2024	WIP	Social media post	Great to read that @Hydro4Uproject !	Twitter / X		TG1, 5, 8, 9		1:	L Delivered	https://twitter.com/iAMP_Hydro/status/1749818765561528361	
			I am happy to contribute to the discussion of tomorrow on							https://www.lipkodia.com/posts/omanuelo.guazanta_hydronowor.futuroofhydro.astivity	
30.01.2024	Emanuele Quaranta	Social media post	environmental issues and modernisation associated to	LinkedIn		TG 1-10		5881 follower	s Delivered	7159452040199049490 70pl/Outm_courses/bare8utm_medium=member_desiton	
			flexibility at XFLEX HYDRO event.							7138453040188948480-2QQV/0LM_Source=share&utm_medium=memoer_desktop	
06.03.2024	WIP	Social media post	The #IAMP_Hydro team is on another mission	Twitter / X		TG 1-10		31:	L Delivered	https://twitter.com/iAMP_Hydro/status/1765413992191639999	
06.03.2024	WIP	Social media post	What exactly did the #IAMP_Hydro team do in #Greece?	Twitter / X		TG 1-10		4:	L Delivered	https://twitter.com/iAMP_Hydro/status/1765416038370357395	
06.02.2024	CLIERVA	Social modia post	Technical visit to Greek Hydropower plants project past repos	Twitter / Y				220	Dolivorod	https://twitter.com/Cuppip/status/1765492474619990219	
00.03.2024	COERVA	Social media post	reclinical visit to dreek nydropower plants project post repos	Twitter / X				320	Delivered	https://twitter.com/cdetwa/status/1703482474018880218	
06.03.2024	WIP	Social media post	and if you want to see the #IAMP_Hydro approach in large	Twitter / X		TG 1-10		20	Delivered	https://twitter.com/iAMP_Hydro/status/1765417522331783461	
07 03 2024	WIP	Social media nost	Part of the #IAMP_Hydro mission in Greece were the	Twitter / X		TG 1-10		8.	Delivered	https://twitter.com/iAMP_Hydro/status/1765725588010661637	
07.03.2024		Social filedia post	colleagues from	(White) / A		10110		0.	bennered	https://writer.com/writer.com/writer.com/articly/27037233002002037	
07.03.2024	WIP	Social media post	Great that Easy Hydro is among the iAMP-Hydro partners	LinkedIn		TG 1-10		546	5 Delivered	https://www.linkedin.com/feed/update/urn:li:activity:7171576131676954624	
08.03.2024	EASY HYDRO	Social media post	Visti to the Greek demo sites	LinkedIn		TG 1-10		48	7 Delivered	https://www.linkedin.com/feed/update/urn:li:activity:7171807268416405505	
15 03 2024	D-HYDROFI FX project	Social media nost	Exciting News! 🗱 We've just updated our project website	LinkedIn		TG 1-10		150 follower	Delivered	https://www.linkedin.com/posts/d-hydroflex-project_collaborations-activity-7168971621255368704-	
13.03.2024	b mbhor tex project	Social filedia post	with information about our sister projects!	chikedin		10110		15010100000	bennered	LQql?utm_source=share&utm_medium=member_desktop	
15.03.2024	CUERVA	Social media post	Technical visit to Greek Hydropower plants informing post	Twitter / X				4	B Delivered	https://twitter.com/Cuerva/status/1768593789503869045	
20.03.2024	CUERVA	Social media post	Technical visit to Greek Hydropower plants informing post	LinkedIn				2866	5 Delivered	https://www.linkedin.com/feed/update/urn:ll:ugcPost:7174343634681487361/	
21.03.2024	WIP	Social media post	Come closer and get active!	LinkedIn		TG 1-10		56	3 Delivered	https://www.linkedin.com/company/101262739/admin/feed/posts/	
21.03.2024	WIP	Social media post	Come closer and get active!	Twitter / X		TG 1-10		104	1 Delivered	https://twitter.com/IAMP_Hydro/status/1770834466409189795	
21.03.2024	WIP	Social media post	We not only want to present our project approach and the	Twitter / X		TG 1-10			Delivered	https://twitter.com/iAMP_Hvdro/status/1770834879187505251	
			results so far								
21.03.2024	WIP	Social media post	Find out more and register	Twitter / X		TG 1-10		2	5 Delivered	https://twitter.com/iAMP_Hydro/status/1770835406625353868	
21.03.2024	WIP	Social media post	This event is of relevance for whom???	Twitter / X		TG 1-10		44	1 Delivered	https://twitter.com/iAMP_Hydro/status/1770839314986885626	
21.03.2024	WIP	Social media post	Come closer and get active!	Twitter / X		TG 1-10		104	1 Delivered	https://twitter.com/iAMP_Hydro/status/1770834466409189795	
22.03.2024	Emanuele Quaranta	Social media post	I will be speaker at the event #10 HyPeak Webinar. You are	LinkedIn		TG 1-10		5881 follower	Delivered	https://www.linkedin.com/posts/emanuele-guaranta_dont-torget-to-register-tor-the-next-hypeak-activity-	
			welcome to join!							7179023993646030848-zv7F?utm_source=share&utm_medium=member_desktop	
22.03.2024	WE-ACT Project	Social media post	For sure! See you online	Twitter / X	_	TG8 - Scientific community			7 Delivered	https://twitter.com/weacteu/status/1771099930913862100	
25.03.2024	WIP	Social media post	Great @weacteu !	Twitter / X	_	1G8 - Scientific community		14	1 Delivered	nttps://twitter.com/iAMP_Hydro/status/1/72313296323957009	
25.03.2024	WIP	Social media post	What about the Spanish #IAMP_Hydro partners?	LinkedIn		TG 1-10		90	Delivered	https://www.linkedin.com/company/101262739/admin/feed/posts/	
25.03.2024	Emanuele Quaranta	Social media post	The European Commission has also recently funded three	LinkedIn		TG 1-10		5881 follower	s Delivered	nttps://www.linkedin.com/posts/emanuele-quaranta_worldwaterday-digital-green-activity-	
			Horizon projects on #hydropower #digitalization!		_					71/6859140269490176-80-Brutm source=share&utm medium=member desktop	
25.03.2024	Ingo Ball	Social media post	Come closer and get active!	LinkedIn	1	TG 1-10	1	33	Delivered	https://www.inikeum.com/posts/ingo-bail-/96b14121_tirst-iamp-nydro-co-development-workshop-activity-	
27.02.2024	CUERVA	Canial models and	-	Listerite		70.1.10	-		Dellused	/1/05990/5965145650-U42U/UM_SOURCE=Share&utm_medium=member_desktop	
27.03.2024	CUERVA	Social media post	General Assembly Granada Workshop post	Linkedin Turktar (M		16 1-10		710	Delivered	nttps://www.iinkedin.com/teed/update/urn:li:share:7178702216722038785/	
27.03.2024	CUERVA	Social media post	Deneral Assembly Granada Workshop post	Twitter / X	-	10 1-10		7	Delivered	ntips://twitter.com/cuerva/status/1/729b9/4982639b64	
10.04.2024	CUERVA	Social media post	Reposi SuiteS Granada GA TWITTER post	Twitter / X	+	TC 1 10	+	16	Delivered	https://writer.com/cuerva/status/1///996351243948190	
10.04.2024	CUERVA	Social media post	General Assembly Granada Cuerva post	Twitter / X		TG 1 10		14	Delivered	https://twitter.com/cuerva/status/1/78002481034694841	
10.04.2024	CLIERVA	Social media post	General Accombly Granada Cuerva rollow up post	Linkodin	+	TG 1 10	1	270	Dollword	https://www.linkodia.com/food/updata/updata/updata/updata/	
40.04.2024	COLINIA	pocial fileula post	seneral reaction dianage cuerva inixedin post	permediti		10 1 10	1	2/0	v oclivereu	integraph www.integraph.com/recurapulate/unitil.ugcr0st.7103000233900333104/	



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# 8 Communication activities

iAMP-Hydro communication activities started at the outset of the project and continue throughout the lifetime with the aim to promote the action and inform about the results to multiple audiences. Communication as the broadest term means to reach out to society and explain the research in a way that is also understood by non-specialists.

The table below provides an overview of the classification options for iAMP-Hydro communication activities with respect to Target Groups (TG) reached, communication channel used, outcome and status of the action. This table specifies all requirements for the reporting of communication activities to the EC.

	TEMPLATE - Communication Activities
Date/Period of Activity	Indicate: DD.MM.YYYY
Partner/s involved	Indicate: Partner acronym
Communication Activity Name	short label as in DCE plan
Description	Description or title of activity
· · ·	Choose between:
	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)
	Exhibition
	Interview
	Media article
	Newsletter
How?	Other
Communication channel	Press release
	Print materials (brochure, leaflet, posters, stickers, banners, etc.)
	Social media
	TV/Radio campaian
	Video
	Website
	Choose between:
	Webingr
Event Type OR Other	Webcast
	Conference
	Conference presentation
	Choose between: 10 target groups (TG)
	EU and International hydropower plant operators
	European, national and regional <b>policymakers</b> within the water or energy policy remits (DG
	Energy; DG Environment; Energy regulators)
	Solar and Wind power plant operators
	Energy market stakeholders (retail companies, transmission system operators, distribution
	system operators)
	Hydropower electromechanical equipment providers
wno? Tarrat Audianas Daashad	Data management, analytics and control companies
Target Audience Reached	Sensor technology developers
	Scientific community with various fields (machine condition monitoring, hydrology, river
	ecology & biodiversity, hydropower & renewable energy)
	General public for awareness raising on the important and sustainable role of the existing EU
	hydropower fleet for climate adaption and energy security
	Non-government organisations ( <b>NGOs</b> )involved in energy, climate action, and environmental
	protection
	Other
Outcome	Tayt
very specific KPIs	
	Indicate the number of people the activity has reached / people that attended the event (if
Estimated Reach	matche the number of people the activity has reached / people that attended the event (ij
	possible disaggregated by gender of by category of the previous section,
	Choose between:
	Cancelled
Status of the dissemination activity	Delivered
	Ongoing
	Postponed
Supporting links	Provide : Internet link(s) to relevant documents

Table 6: Template for reporting iAMP-Hydro communication activities



This project has received funding from the European Union's Horizon Europeer research and innovation programme under grant agreement No. 101122167 The current status of iAMP-Hydro communication activities is presented in Table 7. All iAMP-Hydro communication activities are continuously collected and monitored in a dedicated excel file shared with and available to all partners. At the time of this report, some partners are still trying to find out reasonable values for communication activities that resulted from press releases from the partners. These values will be provided in an updated version of the report.





# 8.1 Status of iAMP-Hydro communication activities

Table 7: Status of the iAMP-Hydro communication activities

		Communication		HOW?		WHO?	Outcomo			
Date	Partner Involved	Activity Name	Description	Communication	Event Type OR Other	Target Audience	(specific KPIs)	Estimated Reach	Status	Supporting Link
		Activity Nume		Channel		Reached				
07.09.2023	TCD	Press release on iAMP-Hydro launch	Press release serving to inform the hydropower community about the launch of the iAMP-Hydro project.	Press release		TG9 - General public		23,800	Delivered	https://www.tcd.ie/news_events/articles/2023/new-project-will-improve-eu-hydropower-sustainability- with-potential-to-save-1-billion-per-year/
12.09.2023	TCD	Media article following press release	College researchers to head multi-million EU hydropower sustainability project	Media article		TG9 - General public		n.a.	Delivered	https://trinitynews.ie/2023/09/college-researchers-to-head-multi-million-eu-hydropower-sustainability- project/
27.09.2023	CUERVA	Press release on iAMP-Hydro launch	iAMP-Hydro, a new project that will improve the sustainability of EU hydroelectric power	Press release		TG 1 - 10		n.a.	Delivered	https://cuervaenergia.com/en/press/latest-news/iamphydro-will-improve-sustainability-eu-hydroelectric- power/
27.09.2023	CUERVA	Press release on iAMP-Hydro	iAMP-Hydro, un nuevo proyecto que mejorará la sostanibilidad de la energía bidroeláctrica de la LIE	Press release		TG1-10		n.a.	Delivered	https://cuervaenergia.com/es/prensa/ultimas-noticias/iamphydro-mejorara-sostenibilidad-energia-europa/
27.09.2023	CUERVA	Media article following press	iAMP-Hydro, el plan digital europeo para reducir los costes de las contrales bidroclóstricas	Media article		TG 1 - 10		n.a.	Delivered	iAMP-Hydro, el plan digital europeo para reducir los costes de las centrales hidroeléctricas - El Periódico de la
27.09.2023	CLIERVA	Media article following press	iAMP-Hydro, el plan digital europeo para reducir los costes de las contrales hidropléctricas	Media article		TG 1 - 10			Delivered	https://article.wn.com/view/2023/09/27/iAMPHydro.el.nlan.digital.europeo.nara.reducir.los.costes.de/
27.05.2025	COLINA	Media article following press	iAMP-Hydro, el plan digital europeo para reducir los costes de	incula article				1.4.	Denvered	https://www.smartgridsinfo.es/2023/10/05/proyecto-iamp-hydro-desarrollara-soluciones-digitales-mejorar-
05.10.2023	CUERVA	release	las centrales hidroeléctricas	Media article		TG 1 - 10		n.a.	Delivered	flexibilidad-parque-hidroelectrico
23.10.2023	CUERVA	Informing about iAMP-Hydro	iAMP-Hydro: Intelligent asset management platform for operation and maintenance of hydropower plants	Website		TG 1 - 10		n.a.	Delivered	iAMP-Hydro: Intelligent asset management platform for operation and maintenance of hydropower plants
23.10.2023	CUERVA	Informing about iAMP-Hydro in Spanish	iAMP-Hydro: Plataforma inteligente de gestión de activos para la explotación y el mantenimiento de centrales hidroeléctricas	Website		TG1-10		n.a.	Delivered	https://cuervaenergia.com/es/innovacion-personas/investigacion-y-desarrollo/iamphydro/
22.11.2023	EASY HYDRO	Website blog	Thrilled to announce the official launch of the intelligent Asset Management Platform for Hydropower (iAMP-Hydro) project	Website blog		End users and wider society reached		393	Delivered	https://easyhydrosolutions.com/en/thrilled-to-announce-the-official-launch-of-the-intelligent-asset- management-platform-for-hydropower-iamp-hydro-project/
22.11.2023	PPCR	Press release on iAMP-Hydro launch	Press release about PPCR in iAMP-Hydro	Press release		TG 1 - 10		n.a.	Delivered	<u>chrome</u> . extension.//efaidnbmnnnibpcajpcg/clefindmkaj/https://www.ppcgroup.com/media/ohudy43v/deltio-tupou- deh-ananeo.simes-iamp-hydro-22112023.pdf
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.businessdaily.gr/epiheiriseis/101250_i-dei-ananeosimes-symmetehei-sto-ereynitiko-ergo-iamp- hydro
23.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.naftemporiki.gr/english/1539635/ppc-renewables-participation-in-the-european-project-iamp- hydro/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.liberal.gr/epiheiriseis/dei-ananeosimes-symmetohi-sto-ereynitiko-ergo-iamp-hydro_
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://ecopress.gr/dei-ananeosimes-symmetechei-sto-erevn/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://energyup.gr/i-dei-ananeosimes-sto-evropalko-erevnitiko-ergo-iamp-hydro/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.imerisia.gr/epiheiriseis/energeia/84049_dei-ananeosimes-symmetehei-sto-erevnitiko-ergo- amp-hydro
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.fortunegreece.com/article/dei-ananeosimes-simmetexei-sto-erevnitiko-ergo-iamp-hvdro/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project IAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://sofokleous10.gr/2022/11/22/NCERMANCERASNCEM87- NCERENTLCENBD/CENBJNCENBDNCENBSNCENBSNCENBSNCENBSNCENBSNCENBSNCENBS NCENB3NCENBSNCENBSNCENKONCENBSNCENBAUKCENBDNCENBSNCENBS NCENB3NCENBAUKENBF-WCENBSNCENB1NCENBSNCENBSNCENBD/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://businessvoice.gr/tag/iamp-hydro/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General		n.a.	Delivered	https://www.newmoney.gr/roh/palmos-oikonomias/epixeiriseis/dei-ananeosimes-simmetechi-sto- erevnitiko-ergo-iamp-hydro-pic/
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General		n.a.	Delivered	https://energypress.gr/news/i-dei-ananeosimes-symmetehei-sto-erevnitiko-ergo-iamp-hydro
22.11.2023	PPCR	Media article following press release	PPC Renewables: Participation in the European project iAMP- Hydro	Media article		TG4 - Energy market stakeholders & TG9 - General		n.a.	Delivered	https://www.worldenergynews.gr/index.php?id=550084
19.01.2024	CUERVA	Article mentioning the iAMP- Hydro project	Esta es la central hidroeléctrica más grande de Europa: se pone en marcha después de 14 años de obras (y es paradisíaca)	Media article		TG4 - Energy market stakeholders & TG9 - General public		n.a.	Delivered	https://www.ecoticlas.com/hoyeco/central-hidroelectrica/1257/



# 8.2 Planning of iAMP-Hydro communication activities

## Currently, one additional communication activity for social media is scheduled.

Table 8: Planned communication activities

Date	Partner Involved	Communication Activity Name	Description	HOW? Communication Channel	Event Type OR Other	WHO? Target Audience Reached	Outcome (specific KPIs)	Estimated Reach	Status	Supporting Link
27.05.2024	CARTIF	Social media post	Current Status of European HHP: Challenges and Project Presentation	CARTIF's Blog Entry		TG 1-10		600	Ongoing	Available once it is posted



# 9 Dissemination activities

Dissemination is about spreading the iAMP-Hydro research results as widely as possible to maximise the impact of the project. Disclosing results publicly aims to transfer knowledge and thereby to contribute to future research and progress in the project field and beyond.

In a project funded under Horizon Europe, participants are required to plan and carry out their dissemination activities carefully and extensively. The visibility of EU funding is a mandatory requirement in all dissemination activities. In the Grant Agreement under Article 17 it is clearly stated that EU support must be acknowledged in any activity related to the funded project by displaying the European flag, as well as the funding statement.

The table below provides an overview of Type of (dissemination) activity and Target audience reached to be specified for every iAMP-Hydro dissemination effort. This table specifies all requirements for the reporting of dissemination activities to the EC.

	TEMPLATE - Dissemination Activities
Date/Period of Activity	Indicate: DD.MM.YYYY
Partner/s involved	Indicate: Partner acronym
Dissemination Activity Name	Indicate: Official name of Activity or short description
	Choose between:
	Clustering activities
	Collaboration with EU-founded projects
What?	Conferences
Type of Activity	Education and training events
	Meetings
	Other
	Other scientific collaboration
What? Type of Activity, if Other was chosen	Describe the activity briefly
	Choose between: 10 target groups (TG)
	EU and International hydropower plant operators
	European, national and regional policymakers within the water or
	energy policy remits (DG Energy; DG Environment; Energy regulators)
	Solar and Wind power plant operators
	Energy market stakeholders (retail companies, transmission system
	operators, distribution system operators)
	Hydropower electromechanical equipment providers
With a D	Data management, analytics and control companies
Target Audience Reached	Sensor technology developers
	<b>Scientific community</b> with various fields (machine condition monitoring, hydrology, river ecology & biodiversity, hydropower & renewable energy)
	<b>General public</b> for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security
	Non-government organisations ( NGOs )involved in energy, climate
	action, and environmental protection
	Other
Why? Description of the objective(s) with reference to a specific project output (max 200 characters)	<b>Explain:</b> Short description: title, goal, content
	Indicate the number of people the activity has reached / people that
Estimated Reach	attended the event (if possible disaggregated by gender or by category
	of the previous section)
	Choose between:
Status of the dissemination activity	Cancelled
	Delivered
	Ongoing
	Postponed
Supporting links	Provide : Internet link(s) to relevant documents

Table 9: Template for reporting iAMP-Hydro dissemination activities



This project has received funding from the European Union's Horizon Europeer research and innovation programme under grant agreement No. 101122167 The current status of iAMP-Hydro dissemination activities is presented in Table 10. All iAMP-Hydro dissemination activities are continuously collected and monitored in a dedicated excel file shared with and available to all partners.





# 9.1 Status of the iAMP-Hydro dissemination activities

Table 10: Status of the iAMP-Hydro dissemination activities

Date	Partner	Dissemination Activity Name	WHAT? Type of Dissemination Activity	WHAT? Type of Dissemination Activity - if OTHER	WHO? Target Audience Reached	WHY? Description of the objective(s) with reference to a specific project output (max 200 characters)	Estimated Reach	Status of the Activity	Supporting Links
18.01.2024	TCD	Trinity Research promotion event	Education and training events		Research community in Trinity		50-60	Delivered	https://twitter.com/Trinity_RDO/status/1748055324815249416
05.02.2024	WIP	Collaboration call with hydropower sister projects	Other	Webinar (collaboration with EU- founded projects)	Scientific Community, NGO (C&D colleagues of hydropower projects)	Call was set up to discuss how sister projects can support each other and inform about	7	Ongoing	<u>na.</u>
04.03.2024	POLITEHNICA Bucharest	Conference presentation at Roorkee Water Conclave 2024, Responsible Water Management & Circular Economy	Conferences		EU and international hydropower plant operators, scientific community	Title : Smart Water Management with focus on population and hydropower Context : The presentation addresses the demonstration of the concept of smart water management as mentioned in literature and and national projects will be mentioned. The related aspects as: artificial intelligence, Internet of things, implementation of decision support systems for reservoirs operation and even climate change impact on water resources and on the need of using a smart management approach are also considered. The focus will be on two of the most important water uses: water for population and energy generation from hydropower, underlining the good symbiosis between them, as hydropower just use water without consuming it.	50	Delivered	https://www.iitr.ac.in/rwc/docs/Program_Book_4March_24.pdf
22.03.2024	ЕН	Presentation about water resources and digitalization of hydropower	Education and training events		Academic and Scientific Community	Presenting iAMP Hydro project and digital solutions for hydropower in University of Loyola	i 15-20	Delivered	
25.03.2024	TCD	Conference presentation at ENVIRON 2024	Conferences		Scientific Community (Environmental Research and policy community in Ireland)	To disseminate the work being carried on in WP2 on predictive maintenace sensor development	25-30	Delivered	https://cop.lamp-hydro.eu/index.php/apps/files/files/files/fil692dir=/iAMP-Hydro%20- %20Community%20of%20Practice/01_Community%20of%20Practice%20- %20Condition%20monitoring%20of%20hydropower%20equipment&openfile=true
26.03.2024	TCD	Conference presentation at ENVIRON 2024	Conferences		Scientific Community (Environmental Research and policy community in Ireland)	To disseminate the work being carried on in WP3 on predictive maintenace modelling using CFD	25-30	Delivered	Predictive Maintenance Modelling Intro by Paudel at ENVIRON 2024.pdf - Community of Practice (iamp- hydro.eu)
05.04.2024	WIP	iAMP-Hydro Updates in Newsletter	Newsletter		TG1 - 10	Update the subscribers about the project and upcoming event	131	Delivered	https://www.wip-munich.de/images/content/News/2024-NewsNo4/WIP-2024-NewsNo4.html#toc-anker5

# 9.2 Planning of iAMP-Hydro dissemination activities

Future dissemination opportunities are also scheduled, events until summer 2025 are currently considered. In some cases project partners have already planned their participation, as can be seen in the table below.



Table 11: Overview of dissemination opportunities for iAMP-Hydro

Date	Event name	Website	iAMP-Hydro partic	cipation
25 - 27 MAR 2024	ENVIRON 2024	https://www.esaiweb.org/environ/programme/	TCD	
16 APR 2024	Brussels Hydropower Day 2024	https://etip-hydropower.eu/events/hydropower-day-2024/	NUSTPB, PPCR	
21 May 2024	ETIP Hydropower and new hydropower Horizon projects	https://etip-hydropower.eu/events/#future	TCD	
11-13 JUN 2024	EUSEW 2024	https://sustainable-energy-week.ec.europa.eu/index en	tbd	
19-21 JUN 2024	EM-Power Europe	https://www.em-power.eu/start	tbd	
15-18 JUL 2024	HYDROVISION International	https://www.hydroevent.com/	tbd	
23-25 SEP 2024	Sustainable Places (SP2024)	https://www.sustainableplaces.eu/	tbd	
15 - 16 OCT 2024	Digitalisation in Hydropower	https://events.vgbe.energy/events/digitalisation-in-hydropower-2024/23911/54YLJ/info	EH	
16 - 17 OCT 2024	HYDROFORUM 2024	https://hydroforum.tew.pl/index.php/en/	WIP	
22-24 OCT 2024	Enlit 2024	https://www.enlit-europe.com/	tbd	
19 20 NOV 2024		https://www.budropower.dome.com/budro_2024/conference/	several abstracts	
10-2010072024	HYDRO 2024	<u>Indps.//www.nydropower-dams.com/nydro-2024/comerence/</u>	have been submitted	
27 - 28 MAR 2025	Renexpo Interhydro	https://www.renexpo-interhydro.eu/de/	tbd	
	International Conference on Energy		plan for joint	
August 2025	Sustainability and Climate Crisic	http://escc.uth.gr/	workshop between	
			sister projects	
biennial (2025)	World Hydropower Congress	https://www.worldhydropowercongress.org/	tbd	

(green = delivered, yellow = planned)



# 10 Publications

iAMP-Hydro (peer-reviewed) publications serving to inform the R&I communities about scientific project results require the following mandatory information for the reporting to the EC:

- TYPE OF PUBLICATION (Article in Journal, Publication in Conference proceedings/Workshop, Book/Monograph, Chapter in a Book, Thesis/Dissertation, Other)
- Title of publication
- Author(s)
- ISSN/eISSN
- Publisher, Place of Publication, Year of Publication
- Is this publication available in Open-Access, or will it be made available?

Currently, there are no publications to report.



# 11 Stakeholder involvement – Co-Development Workshops and Community of Practice

During the iAMP-Hydro project, stakeholders are directly invited to follow the project and get involved in it. This will be achieved by two ways:

- Co-Development Workshops
- Community of Practice

### 11.1 Co-Development Workshops

Altogether five Co-Development Workshops are planned during the project. These workshops are planned to be organised in vicinity of the iAMP-Hydro demonstration sites, involving local stakeholders and enabling direct exchange of knowledge and opinion.

The first iAMP-Hydro Co-Development Workshop was organised on 11 April 2024, in connection with the first progress meeting in Granada, Spain.

The workshop was finally carried out as online event, and informed the participants about project in general, as well as about the most recent results already achieved.

Altogether, 70 participants joined the first co-development activity.



Figure 9: Impressions form the first iAMP-Hydro Co-Development Workshop

The schedule for the following Co-Development Workshops will be discussed in May 2024, considering the experiences of the first Co-Development Workshop.

# 11.2 Community of Practice

The "Community of Practice" (<u>https://www.iamp-hydro.eu/community-of-practice/</u>) can be seen as the permanent co-development workshop.

In the Community of Practice, all identified ten Target Groups are invited to have a look at the most recent results, and to discuss these with the experts from the iAMP-Hydro consortium who work on these topics. Currently, predictive maintenance modelling is presented with a presentation about the current status, as well as a discussion thread, that is led by project partner TCD.



This project has received funding from the European Union's Horizon Europeer research and innovation programme under grant agreement No. 101122167



Figure 10: Screenshot of the current discussion thread on predictive maintenance

The Community of Practice (CoP) will be developed following the results of the project work. It is expected, that after promoting the CoP at other projects and initiatives, this interactive tool will be a useful room for qualitative exchange between interested and committed stakeholders.

# 12 Exploitation of results and IPR

To start with the exploitation strategy for iAMP-Hydro, at first a (non-comprehensive) analysis for each of the ten Target Groups (TG) has been carried out.

In the end, for each TG, stakeholders in Europe, Central Asia, Latin America and in Africa shall be identified. At this stage of the project, it has been carried out for Europe, to an extent for Latin America, and in one case (TG7 - Sensor technology developers) also for North America. Table 12 gives an overview of the current status.





Table 12: Overview of identified iAMP-Hydro Target Group stakeholders

TG1	EU and International hydropower plant operators	
Europe	Verbund (Austria)	https://www.verbund.com/
	EDP (Portugal)	https://portugal.edp.com/pt-pt
	EDF (France)	https://www.edf.fr/
	UNIPER (Germany)	https://www.uniper.energy/de
	Enel Green Power (Italy)	https://www.enelgreenpower.com/
	Cuerva (Spain)	https://cuervaenergia.com/es/
	EDP Espana (Spain)	https://espana.edp.com/en
	Iberdrola (Spain)	https://www.iberdrola.com/home
	Statkraft AS (Norway)	https://www.statkraft.com/
Central Asia	to be clarified with HYDRO4U project	
Latin America	EPM (Colombia)	https://www.epm.com.co/institucional/
	Celsia (Colombia)	https://www.celsia.com/es/
	European, national and regional policymakers within the water or energy policy remits	
TG2	(DG Energy; DG Environment; Energy regulators)	
Europe	Council of European Energy Regulators (CEER)	MEMBERS - ceer.eu
	Energie-Control Austria (E-Control)	http://www.e-control.at/
	Cyprus Energy Regulatory Authority (CERA)	http://www.cera.org.cy/
	Federal Network Agency for Electricity, Gas, Telecommunications, Posts and Railway	
	(Bundesnetzagentur - BNetzA - Germany)	http://www.bundesnetzagentur.de/
	Regulatory Authority for Energy, Waste, and Water (PAE / RAEWW - Greece)	http://www.rae.gr/
	Commission for Regulation of Utilities (CRU - Ireland)	http://www.cru.ie/
	The Norwegian Energy Regulatory Authority (NVE-RME)	https://www.nve.no/
	Romanian Energy Regulatory Authority (ANRE)	http://www.anre.ro/





	National Commission for Energy and Prices (CNMC - Spain)	http://www.cnmc.es/		
Central Asia	to be clarified with HYDRO4U project			
Latin America	CEERA - Centro de Estudios da la Energía Renovable y el Agua (Colombia)	https://ceera.co/inicio		
	Comité nacional de Despacho de Carga (Bolivia)	https://www.cndc.bo/home/index.php		
	Agencia de Regulación y Control de Energía y Recursos Naturales no Renovables			
	(Ecuador)	https://www.controlrecursosyenergia.gob.ec/		
TG3	Solar and Wind power plant operators			
Europe	JUWI (Solar & Wind - Germany)	https://www.juwi.de/		
	Iberdrola SA (Spain & international)	https://www.iberdrola.com/home		
	Enel SpA (Italy)	https://www.enel.com/		
	Acciona SA (Spain)	https://www.acciona.com/		
Central Asia	to be clarified with HYDRO4U project			
Latin America	to be updated	-		
		-		
	Energy market stakeholders (retail companies, transmission system operators,			
TG4	distribution system operators)			
Europe	Eurelectric	https://www.eurelectric.org/		
	European Energy Retailers (EER)	https://europeanenergyretailers.eu/		
	Renewables Grid Initiative (RGI)	https://renewables-grid.eu/		
	European Transmission System Operators (TSOs)	https://www.entsoe.eu/		
	Austrian Power Grid AG (Austria)	http://www.apg.at/		
	Swissgrid ag (Switzerland)	http://www.swissgrid.ch/swissgrid/en/home.html		
	Cyprus Transmission System Operator (Cyprus)	https://tsoc.org.cy/		
	Red Eléctrica de España S.A. (Spain)	http://www.ree.es/en		
	Independent Power Transmission Operator S.A. (Greece)	https://www.admie.gr/en		



	EirGrid plc (Ireland)	http://www.eirgrid.com/
	Statnett (Norway)	www.statnett.no
	European Renewable Energy Federation (EREF)	https://eref-europe.org/
		-
Central Asia	to be clarified with HYDRO4U project	
Latin America	Empresa Nacional de Electricidad (Bolivia)	https://www.ende.bo/index.php
	XM (Colombia)	www.xm.com.co
	Empresa Eléctrica Provinciales (Ecuador)	https://www.cnelep.gob.ec/
TG5	Hydropower electromechanical equipment providers	
Europe	ABB (Switzerland)	https://new.abb.com/power-generation
	Andritz (Austria)	https://www.andritz.com/
	Efacec (Portugal)	https://www.efacec.com/
	Eptisa Servicios de Ingenieria, SL (Spain)	https://www.eptisa.com/
	GWF Technologies GmbH (Germany)	https://gwf.ch/en/acoustic-flow-measurements/
	Huggenberger AG (Switzerland)	https://www.huggenberger.com/
	Hydac International GmbH (Germany)	https://www.hydac.com/
	HydroWatt GmbH (Germany)	https://www.hydrowatt.de/
	Ingos (Czech Republic)	https://www.ingos.cz/
	Jeumont Electric (France)	https://www.jeumontelectric.com/
	Rittmeyer AG (Switzerland)	https://www.rittmeyer.com/
	Siemens AG (Germany)	https://www.siemens.com/hydro
	Troyer SpA (Italy)	https://www.troyer.it/
	Veski Ltd (Croatia)	https://www.veski.hr/
	Malthe Winje Group (Norway)	https://mwg.no/en/home/
Central Asia	to be clarified with HYDRO4U project	
Latin America	Carlos Bertschi Srl (Argentina)	https://www.bertschi.com.ar/



	O&M Electrica Matamoros (Costa Rica)	https://www.electricamatamoros.com/			
TG6	Data management, analytics and control companies				
Europe	N-iX (Ukraine)	https://www.n-ix.com/			
	Software Mind (Germany)	https://softwaremind.com/de/			
	ITRex Group (Ukraine, Poland, USA)	https://itrexgroup.com/			
	Britenet (Poland)	https://britenet.eu/			
	Euvic (Germany)	https://www.euvic.de/de/index.html			
	Sigma Software Group (Germany)	https://sigma.software/			
	ViewNext (Spain)	https://www.viewnext.com/			
	BJSS (UK)	https://www.bjss.com/			
Central Asia	to be clarified with HYDRO4U project				
Latin America	to be updated				
TG7	Sensor technology developers				
Europe	Where <sub>2</sub> O (Norway)	https://www.where2o.com/			
	Ott HydroMet (Germany)	https://www.ott.com/de-de/			
	Delphin Technology AG (Germany)	https://www.delphin.com/			
	OxyGuard International (Denmark)	https://www.oxyguard.dk/en/			
	Instrumentos WIKA (Spain)	https://www.wika.com/es-es/pagina_inicial.WIKA			
	Sensirion AG (Switzerland)	https://sensirion.com/			
	AMS Osram AG (Austria)	https://ams.com/ams-start			
Central Asia	to be clarified with HYDRO4U project				
Latin America	to be updated				



	Pentair (USA)	https://pentairaes.com/				
	Eureka Water Probes (USA)	https://www.waterprobes.com/product-page/td				
	InWater Technologies (USA)	https://inwatertech.com/				
	Scientific community with various fields (machine condition monitoring, hydrology,					
TG8	river ecology & biodiversity, hydropower & renewable energy)					
Europe	PEN Hydropower	https://www.pen-hydropower.eu/				
	NORCE (Norway)	https://www.norceresearch.no/en/				
	various European universities					
Central Asia	to be clarified with HYDRO4U project					
Latin America	CEERA - Centro de Estudios da la Energía Renovable y el Agua (Colombia)	https://ceera.co/inicio				
	Escuela Politécnica Nacional (Ecuador)	https://www.epn.edu.ec/				
	Universidad Mayor de San Simón (Bolivia)	https://www.umss.edu.bo/				
	General public for awareness raising on the important and sustainable role of the					
TG9	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security					
TG9 Europe	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia Latin America	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project CEERA (Colombia)	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia Latin America	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project CEERA (Colombia)	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia Latin America	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project CEERA (Colombia) Non-government organisations (NGOs) involved in energy, climate action, and	https://eu-mayors.ec.europa.eu/en/home				
TG9 <i>Europe</i> Central Asia Latin America TG10	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project CEERA (Colombia) Non-government organisations (NGOs) involved in energy, climate action, and environmental protection	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia Latin America TG10 Europe	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security Covenant of Mayors - Europe to be clarified with HYDRO4U project CEERA (Colombia) Non-government organisations (NGOs) involved in energy, climate action, and environmental protection BUND (Germany)	https://eu-mayors.ec.europa.eu/en/home				
TG9 Europe Central Asia Latin America TG10 Europe	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security         Covenant of Mayors - Europe         to be clarified with HYDRO4U project         CEERA (Colombia)         Non-government organisations (NGOs) involved in energy, climate action, and environmental protection         BUND (Germany)         WWF Europe	https://eu-mayors.ec.europa.eu/en/home https://www.bund.net/ https://www.wwf.eu/				
TG9 Europe Central Asia Latin America TG10 Europe	General public for awareness raising on the important and sustainable role of the existing EU hydropower fleet for climate adaption and energy security         Covenant of Mayors - Europe         to be clarified with HYDRO4U project         CEERA (Colombia)         Non-government organisations (NGOs) involved in energy, climate action, and environmental protection         BUND (Germany)         WWF Europe         Friends of the Earth Europe	https://eu-mayors.ec.europa.eu/en/home https://www.bund.net/ https://www.bund.net/ https://www.wwf.eu/ https://friendsoftheearth.eu/				



Central Asia	to be clarified with HYDRO4U project	
Latin America	Consultora Endémica (Colombia)	https://www.cendemica.com
	Other	
Europe	to be updated	
Central Asia	to be updated	
Latin America	to be updated	



The following table summarises the objectives, Dissemination, Exploitation and Communication measures, as well as the expected impact of the DEC activities.

#### Target Groups: Hydropower and Solar/Wind energy producers (TG1 & TG3)

#### Objective:

Demonstrate the functionality and impact of utilising the iAM Platform (R5), its digital components (R1-R3) and secure data sharing protocols (R4) to increase hydro production and storage opportunities, social, environmental and economic benefits, and a digital transition in the sector.

#### **DEC** measures:

results will be shared with: target groups (e.g. Statkraft AS, EDF, Iberdrola, GALP,..) and at relevant events (e.g. World Hydropower Congress); with relevant contacts through partner networks, industry associations (IHA), trade fairs; industry-relevant meetings (e.g. COST Action CA21104 pan-European Network on Hydropower; HYPOSO & HYDRO4U projects). Exploitation activities will include connecting partners to end-users during co-development activities.

#### Expected Impact:

Uptake of iAMP-Hydro solutions in existing hydro plants leading to improved O&M costs, predictability, sustainability and economic performance in energy markets.

# Target Groups: Hydro equipment providers, Data analytics SMEs & Sensor Developers (TG5, TG6 & TG7)

#### **Objective**:

Demonstrate the business potential of iAMP-Hydro results R1-R5 and convince providers about the social, economic and environmental benefits of marketing such technologies to hydro operators.

#### **DEC** measures:

Key results (e.g. D14.2 – market report & D12.2/4 – validation site and case studies reports) will be shared with: electromechanical equipment providers (e.g. Andritz, GE Hydro), sensor developers and data analytics companies, at relevant events (e.g. World Hydropower Congress, Digital Transformation Conference); with SME contacts through partner networks, marketing, trade fairs, and 5 co-development workshops; through partner affiliations at industry association meetings (IEA Hydropower, IAHR), and in our webinar series. Knowledge transfer plans will be developed for R1-R5 and implemented where possible during the project. Exploitation activities will include connecting partners to industry, co-development workshops, and a final project event.

#### **Expected Impact:**

Industry uptake of solutions and stimulate progress further up the value chain to higher TRLs.

# Target Groups: Policymakers, regulators & market stakeholders impacted by digitalisation (TG2 & TG4)

#### Objective:

Provide evidence to inform decision-making on hydro's digital transition, sustainability and socioeconomic impacts, and impacts on grid flexibility and penetration of wind and solar. Raise awareness of the real-world validation and impact of iAMP-Hydro digital solutions. **DEC measures**:

Engage directly with relevant EU and International authorities, and national energy regulators, sharing the value, state-of-the-art and implications of our technologies. We will involve policy makers in energy sectors and environmental protection at local and (inter)national levels, e.g.



Committee on Industry, Research and Energy, DG Energy, DG Climate, DG Environment, JRC, Environmental Quality Standards Directive, etc.

Partners will connect through their existing networks to share result R6 with working groups of experts and relevant networks including research/advisory groups of these authorities. Policy makers will be invited to participate in the 5 co-development workshops and to all project online and in-person events. We will use EC services as multipliers to ensure high-level users are reached (e.g., through Cordis, CordisWire, AlphaGalileo, Horizon Platform Results, Horizon Platform Booster).

Collaboration with other projects funded under this call and with related recent and active EU projects on the topic will generate a collaborative white paper with added weight for policy impact (e.g. XYFLEX Hydro, LCSC3-RES-16-2019).

#### Expected Impact:

Increase interest and appropriate consideration of hydropower

digitalisation in policy objectives and related legislation and energy regulation.

## Target Group: Scientific Community (TG8)

#### Objective:

Extend knowledge on digital solution development and validation for existing hydro, including advanced condition monitoring and predictive maintenance, ecological status sensors and management, improved weather and flow forecasting, secure data sharing, and integration of all four elements in a data-driven decision support optimisation method.

#### DEC measures:

10 Open access publications (e.g. Applied Energy Journal, Renewable Energy, Water Resources Management), 20 presentations/papers and keynotes at major international conferences (e.g. IAHR world congress), and 3 webinars. iAMP-Hydro partners are members of the scientific community and have multiple memberships, connections and experience publishing in high-impact peer-reviewed journals (see partner profiles in Part A). Open access of publications and data repositories via Zenodo.

#### Expected Impact:

Increased scientific knowledge of digital technologies, methods, and related impacts.

### Target Group: General Public, Interest Groups/Advocates & NGOs (TG9 & TG10)

#### **Objective**:

Showcase the benefits of digital hydro technologies, real-world validation of iAMP-Hydro's digital solutions, and benefits for the energy system, environment, economy and society.

#### **DEC measures**:

Regular maintenance of online project platforms, especially social media channels – engaging directly with stakeholders in 3 public events and 3 webinars. Publishing 5 non-scientific newsletters. Graphics and videos to explain the inner workings of the iAMP-Hydro solutions and platform (accessible to non-scientific viewers).

### Expected Impact:

Greater general awareness and acceptance of the benefits of hydropower digitalisation.





In order to best engage with the identified TG stakeholders (see Table 12) and manage intellectual property always correctly, a knowledge management and transfer methodology will be developed.

The Knowledge Management and Transfer process will oversee the management of knowledge and IP generated. It will include:

- i) Knowledge Management;
- ii) Knowledge Analysis/mapping path to impact for each KER (Key Exploitable Result);
- iii) Knowledge Transfer Plans.

To support and advise the Knowledge Management and Transfer, iAMP-Hydro will use an Innovation Committee that will be formed in May 2024.

In general, iAMP-Hydro is working very openly and will use the Co-Development Workshops as well as the Community of Practice to share the results as much as possible.

# 13 Key performance indicators and monitoring of progress

The successful implementation of the iAMP-Hydro dissemination and communication activities is measured by the achievement of specific targets for a number of different indicators specified in the table below. In blue letter, the status of March 2024 is displayed

Table 13: iAMP-Hydro KPI monitoring

Communication tools to increase iAMP-Hydro visibility and showcase the work throughout the project, sharing regular news to reach target audiences raising awareness about the project and triggering their interest to engage with our outputs.	Industry	Users	Scientists	Policy	Citizens
Project website KPI: (800 visits until March 2024) 10,000 visits over the project duration,	•	•	•	•	•
Factsheet KPI: (yet to come) Factsheet distributed at relevant events & online by partners. KPI: reach >500 people	•	•	•	•	•
Press releases KPI: (3 press releases until March 2024) 5 press releases or promotional articles published, leading to the publication of at least ten articles in websites, the press, and specialised publications.	•	•	•	•	•
Videos KPI: (video is planned until Month 15) At least one professional video and three shorter media clips will be viewed by more than 1,000 people in total. Creating a project YouTube channel.	•	•	•	•	•
Social media strategy KPI: (more than 11,000 people until March 2024) LinkedIn, Twitter and other social media, targeted promotional campaigns (for promoting specific topics in R1-R6) to reach more than 5,000 people.	•	•	•	•	•
Participation in virtual and physical events KPI: (5 events until March 2024) iAMP-Hydro will be represented in 20 events, including international events, COP workshops, and 3 project webinars	•	•	•	•	•





Project COP and Public events KPI: (yet to come) interaction with other projects, initiatives, and industry through our COP with 5 site visits for relevant future clients of the solutions. Joint policy white paper targeting policy makers at local, national and EU levels (D14.3).	•	•	•	•	
Open access scientific publications (in high impact peer-reviewed journals), review articles and editorials KPI: (yet to come) 10 journal and 20 conference publications disseminating project results.	•	•	•	•	
Final project event: KPI: (yet to come) engage >150 key stakeholders to promote project achievements towards effective, economic, and environmentally sustainable digital hydropower solutions.	•	•	•	•	•

# 14 Closing remarks

The PDEC: Communication Activities, Tools & Resources is a dynamic report. Parts of it are not yet developed and will be updated in new versions as well as all DEC activities and resulting KPIs. The planned updates of this D13.1 are scheduled for M12, M24, and M36.











