DELYCIOUS

Clean Hydrogen Partnership

Co-funded by the European Union

D10.1. Initial Dissemination, Exploitation, and Communication Plan



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Document control sheet

Project number	101192075		
Project name	Diagnostic tools for ELectrolYzers: Cost-efficient, Innovative, Open, Universal and Safe		
Project acronym	DELYCIOUS		
Call	HORIZON-JTI-CLEANH2-2024		
Topic	HORIZON-JTI-CLEANH2-2024-01-04		
Type of action	HORIZON-JU-RIA (Research and Innovation Action)		
Granting authority	Clean Hydrogen Partnership and European Union		
Start date	01/01/2025	Duration	36 months
Project coordinator	Fraunhofer IWES		

Deliverable ID	D10.1
Deliverable Name	Initial Dissemination, Exploitation, and Communication Plan
Version	1
Type of Deliverable	R
Work Package (WP)	WP 10
Due date	30/04/2025 (M4)
Actual submission date	15/04/2025

Lead Beneficiary	ETA Florence	
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Dissemination level	Public	☐
	Sensitive	☒
Reviewed by (WP leader or proxy)	Giulia Raimondi, AL ICF	
Document Approval	Reviewer and WP leaders	

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About DELYCIOUS

As Europe accelerates its transition to clean energy, the Net Zero Industry Act identifies low-carbon hydrogen production as a strategic priority. DELYCIOUS tackles key challenges in water electrolysis technology, focusing on extending electrolyzer lifespans and reducing operational costs under variable renewable energy sources. In DELYCIOUS, the development of cost-efficient, innovative, open, universal, and safe diagnostic tools to investigate the chemical and electrochemical properties of electrolysis systems is foreseen. This project combines Raman Spectroscopy (Raman) and Electrochemical Impedance Spectroscopy (EIS), to explore the chemical and electrochemical properties of electrolysis systems. By using both physical and data-driven modeling, it will be possible to identify important degradation parameters. To ensure that the diagnostic tools work effectively in various temperature ranges and across various electrolysis technologies, three technologies namely Alkaline Electrolysis (AEL), Proton Exchange Membrane Electrolysis (PEMEL), and Solid Oxide Electrolysis (SOEL) are addressed in this project, with a demonstration on alkaline electrolyzer beyond 100 KW.

Consortium

Fraunhofer IWES

Coordinator

Air Liquide

UNIVERSITY OF TWENTE.

DUMAREY

HORIBA

etaflorence

stargate hydrogen

SIVONIC

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Executive Summary

The Initial Dissemination, Exploitation and Communication Plan (DEC Plan) provides a strategic framework to promote the DELYCIOUS project's activities and outcomes, aiming to raise awareness and expand the project's impact. This document outlines the approach for effectively communicating and disseminating the project's results to key stakeholders, including target audiences, core messages, communication tools, and dissemination practices.

The DEC Plan will be delivered by M4 and updated by M18 to ensure alignment with project developments. The plan focuses on increasing the visibility of the project's contributions, engaging with relevant stakeholders, and promoting the uptake of key results. By facilitating knowledge transfer and fostering exploitation opportunities, the plan aims to generate impact during and beyond the project's lifespan.

DEC Plan Objectives :

To raise awareness on the project and its impact by setting up a specific strategy:

- **Identify key stakeholders** and disseminating them the project's results
- Efficiently **communicate DELYCIOUS benefits** and **its contribution** to European societal challenges to the wider audience.
- Paving the ground for the **uptake of DELYCIOUS's key exploitable results** by partners and third parties.
- To **support common information and dissemination activities** – upon invitation of the Clean Hydrogen Partnership – to the enhancement of the visibility between Horizon Europe projects and supported actions.

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