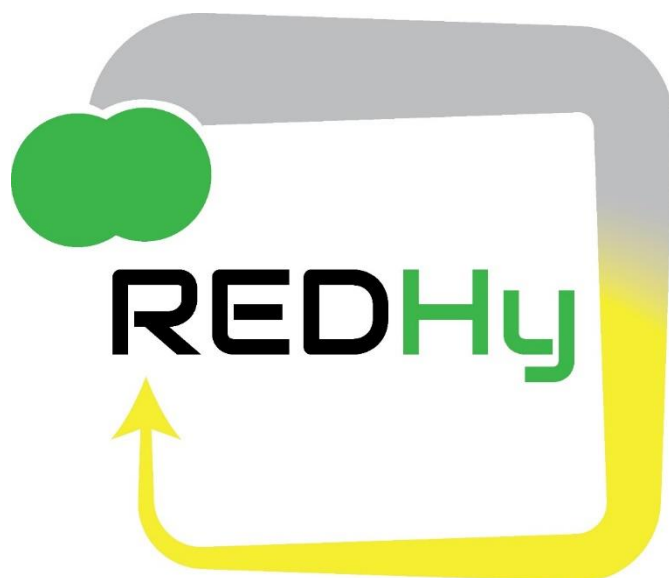


HORIZON EUROPE PROGRAMME  
TOPIC HORIZON-CLEANH2-2023-01-01

GA No. 101137893

## REDHY

**Redox-Mediated economic, critical raw material free,  
low capex and highly efficient green hydrogen  
production technology**



### REDHY - Deliverable report

DELIVERABLE 4.1 – Charge transfer kinetics

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<b>Deliverable Title</b>	Charge transfer kinetics	
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## Public Summary

Screening of molecules, electrolyte formulations and catalysts is critical for the achievement of REDHy objectives. Electroanalytical tools were developed and implemented, which are of suitable for:

- 1) Screening the reactivity of molecules by determining the electron transfer kinetic from diluted solutions to highly concentrated ones.
- 2) Screening the reactivity of newly developed molecules with water for oxygen and hydrogen reactions in the presence of catalyst not containing critical raw materials.

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### Project partners:

#	Partner short name	Partner Full Name
1	DLR	DEUTSCHES ZENTRUM FÜR LUFT – UND RAUMFAHRT EV
2	CNRS	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
3	UNR	UNIRESEARCH BV
4	UPV	UNIVERSITAT POLITÈCNICA DE VALÈNCIA
5	IDN	INDUSTRIE DE NORA SPA-IDN
6	CENMAT	CUTTING-EDGE NANOMATERIALS CENMAT UG HAFTUNGSBESCHRÄNKT
7	CNR	CONSIGLIO NAZIONALE DELLE RICERCHE

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