

HORIZON EUROPE PROGRAMME
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**HYBRID TANDEM CATALYTIC CONVERSION PROCESS
TOWARDS HIGHER OXYGENATE E-FUELS**



E-TANDEM - Deliverable report

**D5.2 - Updated, detailed plan for exploitation,
dissemination and communication**



**Funded by
the European Union**

Publishable summary

Carbon-neutral, high-energy density e-fuels are crucial to de-fossilize long-haul, heavy-duty road, marine, and aviation transport sectors. Current (oxygenate) e-fuels face hurdles for a swift market penetration due to incompatibility with current ICE fleets and fuel distribution network, and/or non-compliance with fuel norms in force. The Horizon Europe E-TANDEM project develops and validates, at bench scale, the first direct process for the selective production of carbon-neutral higher oxygenate e-fuels (HOEF) for the marine and heavy-duty transport sectors. This oxygenated fuel is directly produced from CO₂ as the sole carbon source, and renewable power as the sole energy input, in a once-through hybrid catalytic conversion process integrating three major catalysis branches: high-pressure electrocatalysis syngas production coupled to a tandem catalytic e-syngas conversion encompassing thermocatalysis with solid catalysts and chemocatalysis with molecular complexes. The project aims to demonstrate the new e-fuel production process at bench-scale and assess its capacity to cope with fluctuating energy inputs.

This deliverable describes the Dissemination, Communication, and Exploitation Plan for the E-TANDEM project. This report aims to present the planned strategy and actions for communication and dissemination of the results of the E-TANDEM project. The overall scope of the dissemination activities within the E-TANDEM project is to ensure the maximal impact of the project by efficiently communicating project innovations to relevant target groups. Dissemination involves preparing information for the project website and facilitating the exploitation activities of the project, making the results known to future users. Part of the dissemination plan is to promote synergies with relevant stakeholders and other projects related to energy storage and nanomaterial research to combine efforts and accelerate the communication and dissemination of key messages and results. In addition, an objective is to promote the project findings through presentations at workshops, scientific publications, and events.