

**HORIZON EUROPE PROGRAMME - HORIZON-CL5-2023-D3-01-01**

*Renewable Energy Valleys to increase energy security while accelerating the green transition in Europe - Innovation action (IA)*



**REFORMERS**  
RENEWABLE ENERGY VALLEYS

**REFORMERS**

Regional **Ecosystems FOR Multiple-Energy Resilient Systems**

Grant Agreement No. 101136211

Duration: 60 months | 1st November 2023 - 31st October 2028

**D4.1: FV IMPLEMENTATION AND OPERATION COORDINATION PLAN**

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**Lead author(s)** Joep Sanderink (NEC), Joshua Dauda (NEC)

**Contributors** VUB, DHE, CERTH, RISE, TNO, ALI, ALK, HVC, HYN, INV, SUS, REP, WTG, NXT, STOFF2



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## EXECUTIVE SUMMARY

This document presents Deliverable 4.1 (D4.1), which falls under Work Package 4 (WP4) of the REFORMERS project. D4.1 is dedicated to Task 4.1, which centers on the implementation and operation coordination plan for the Flagship Valley (FV) located in the municipality of Alkmaar and Heiloo, in the Netherlands. As the sole tangible output of T4.1, D4.1 impact extends across the full 60-month duration of the REFORMERS project. It lays the groundwork for future tasks and deliverables that will develop detailed operational strategies and implementation plan for different components of the FV- the Renewable Energy Valley Tracks (REVTs) 1 through 5. These tasks will encompass a range of demonstration projects, from generation, transportation, and storage to end-use, as well as optimization, control, and stakeholder engagement within the FV energy system.

To achieve the goal of T4.1, WP4 utilizes project management tools such as the RASCI Matrix to delineate roles and responsibilities clearly among partners, ensuring efficient management and coordination across WP4's various tasks and fostering synergy with other work packages. Furthermore, as a crucial next step, the RASCI matrix will be enhanced with a Work Breakdown Structure (WBS) for each subtask during the months M7 to M9 of the REFORMERS project. This detailed WBS will enable task leaders to monitor progress as well as offer guidance and support to the responsible Flagship Valley partners to ensure compliance with the commitments made in the Grant Agreement. In addition, a Gantt Chart is utilized to provide a visual timeline for task implementation, thus aligning the project's milestones and deliverables with its overall schedule. This deliverable also includes an internal WP4 communication plan that facilitates timely and effective exchanges, boosting collaboration, transparency, and accountability among partners.

Furthermore, this deliverable highlights the overall plans for the tasks in WP4, such as T4.2, led by the New Energy Coalition, which emphasizes the physical demonstration of innovative energy solutions that promote renewable energy use and sustainability. T4.3, spearheaded by New Energy Coalition, focuses on developing strategies for optimizing and controlling energy flows within the FV. T4.4, managed by TNO, aims to engage stakeholders and formulate business models and governance structures essential for transitioning to renewable energy. Additionally, T4.5, led by WiththeGrid, involves developing a Performance Monitoring System (PMS) that collects, processes, stores, visualizes, and analyzes data for the FV.

The implementation of the plan in this deliverable, ensures that the initiatives under the specified WP4 tasks contribute to REFORMERS' broader objectives of enhancing renewable energy utilization, reducing greenhouse gas emissions, and fostering sustainable societal changes. These efforts are vital for creating a robust framework for energy independence and sustainable development in the FV area.

In version 4.0, Annex II has been updated per request of the Project Officer and external reviewer.

D4.1 contains sensitive information and for this reason only the Executive Summary is publishable.

