Cross-Border Sustainable Renewable Energy Acceleration in Ukraine - Mapping Synergy Renewable Energy Acceleration Areas between Ukraine, EU Member States, and Moldova

Task 10. Validate Mapping Results

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This Report presents the results delivered by the RE planning specialist responsible for implementing Task 10, which included validating the GIS-based suitability maps with technical experts and key stakeholders and integrating their feedback into the analytical datasets and cartographic products.

The GIS layers and thematic maps developed on the basis of the renewable energy potential criteria, infrastructure readiness criteria, and environmental constraints were presented together with the updated Technical Report to the designated official of the Ministry of Economy, Environment and Agriculture of Ukraine. All comments previously provided by the Ministry at earlier consultation stages were fully addressed in the revised datasets and cartographic outputs, and therefore no additional remarks were issued.

Further use of the obtained cartographic data requires closer integration with the existing cadastral division and infrastructure analysis, taking into account ongoing changes. For each of the ten criteria groups, the areas that met the corresponding technical, legal and land use compatibility conditions were quantified and expressed as a percentage share of the total renewable energy potential identified in the study area (in terms of both surface area and, where applicable, indicative installed capacity in MW).

These percentage based contributions of the criteria groups were used to inform the final prioritisation of renewable energy acceleration areas (RAAs) across all clusters, including rooftops and facades, transport corridors, parking areas, farms, waste sites, industrial sites, mines and quarries, artificial inland water bodies, urban wastewater treatment sites and degraded land not usable for agriculture. This criteria based quantification ensured transparency, reproducibility and traceability of the decisions concerning the distribution of the overall renewable energy potential.