



Wind Implementation Working Group

**New SET Plan targets for
wind energy - Final version**



Target 1 – R&I budget

Final target: At least 3% increase of national R&I funding dedicated to wind.

Description: Members of the IWG will strive to increase their national research and innovation funding to wind energy by at least 3% per year starting from 2022. The funding shall include technological or non-technological programmes/projects contributing to accelerate the deployment of wind energy. IWG members that may not have the tools available to monitor the specific funding for wind may use international statistic indicators (e.g. IEA, OECD).

Target 2 - Wind energy penetration

Final target: At least 0.5 percentage points increase per year of wind energy penetration in electricity needs at European level thanks to R&I actions.

Description: Members of the IWG will strive to put in place R&I activities/programmes/projects that contribute to the increase of wind energy penetration in electricity demand in Europe of at least 0.5 percentage points per year. These may include R&I actions on HVDC grids, storage, flexibility solutions, hybrid projects, substations equipment, smart energy solutions, etc. IWG members will report wind energy penetration per country, but the target will be measured at EU-level. Note that the EU ambition is that wind energy cover 43% of electricity demand by 2030. The IWG contribution would be on average at least 3.5 percentage points to 2030 thanks to R&I actions.

Target 3 – Wind manufacturing capacity

Final target: At least 2 GW of wind manufacturing capacity added per year at European level enabled by the implementation of R&I actions.

Description: Members of the IWG will strive to enable the addition of wind energy manufacturing capacity of at least 2 GW/year through R&I actions supporting areas such as automation, optimisation of manufacturing processes, optimisation of materials use, logistics, or supply-chain. This is in line with the proposed EU Net Zero Industry Act non-binding target of sustaining around 36 GW/year of manufacturing capacity in Europe needed to for the deployment of annual wind energy installations. Members may monitor the manufacturing capacity in national programmes through the exploitation plans of the R&I actions or via statistical indicators available to them.

Target 4 - Recycling

Final target: Each Member States dedicates R&D budget to materials recovery technologies including recycling and critical raw materials.

In line with the Critical Raw Materials Act and the EU target of recycling capacity.

Target 5 - Jobs & Skills

Final target: At least 100,000 workers trained by 2025 at the EU level supported by national funding dedicated to wind energy research centres, universities, training centres, etc.

Target 6 - Permitting

Final target: One research project on average per year enabling faster permitting for wind energy projects.

Description: Members of the IWG will strive to fund/support at least one R&I project on average per country that facilitates meeting the EU Renewable Energy Directive thresholds for permitting wind energy. These are below 2 years for onshore, below 3 years for offshore and below 1 year for repowered projects. Research activities can include environmental impact assessment, co-use of space, acceptability, system integration, digitalisation, better design of turbines, etc.

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Thank you!

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