

WP8 Climate energy and mobility 2021-2022

Activities of this work programme support the implementation of the Paris Agreement and the United Nations Sustainable Development Goals . By creating more jobs, accelerating economic and social transformation, faster digitalisation and by generating innovation-based and inclusive growth, activities will aid Europe's recovery in the wake of the Covid-19 crisis, contributing directly to the Commission priorities of a European Green Deal, a Europe fit for the digital age, and an economy that works for the people.

The European Commission's strategic vision "A Clean Planet for All" outlines that the move to climate neutrality – along with faster digitalisation and accelerated economic and societal changes – will transform the energy and mobility sectors in the coming decades making them increasingly intertwined. Research and Innovation will heavily influence the speed at which these transitions can take place, directly affecting the associated costs, impacts and cobenefits, such as better air and water quality, increased employment, social inclusion, sustainable resource management (including the circular economy and biodiversity), and reduced dependency on fossil fuels. A key contribution to success is the development of a wide portfolio of – from a life-cycle perspective – cost-effective climate neutral alternatives for emitting activities, based on often in combination with enhanced sector coupling, digitalisation, system integration and leveraging, whenever appropriate, the existing Earth observation and monitoring programme Copernicus. The twin green and digital transitions require instilling profound changes in social practices and skills requirements, as a result, engaging society in the co-design, co-development, and co-implementation of innovations also through social innovation