

The Horizon Europe project “Response of the Earth System to overshoot, Climate neUtrality and negative Emissions” (RESCUE) aims to analyze the combined effects of reduced greenhouse gas emissions and Carbon Dioxide Removal options (CDR) as measures to fulfill the Paris Agreement’s goal of limiting global warming to well below 2°C. RESCUE will develop a portfolio of climate neutrality scenario pathways that take into account foreseeable delays in climate policies and the potential overshoot of the Paris Agreement’s goals. These new scenarios will be generated using Integrated Assessment Models. As a first step in this test project, we aim to remap the corresponding RESCUE scenario inputs for two out of five contributing Earth System Models, FOCI and MPI-ESM.