

The overarching objective of the Horizon Europe IMPETUS4CHANGE (I4C) project is to improve the quality, accessibility and usability of near-term climate information and services at local to regional scales – where impacts are most keenly felt and on-the-ground adaptation is implemented – to strengthen and support end-user adaptation planning and action. Specific objectives work towards this overarching goal are: 1) Address persistent shortcomings to deliver seasonal to decadal predictions of improved quality; 2) Develop novel methods to downscale predictions to local scales; 3) Improve assessments of hazards and translate this into usable information for local risk assessments; 4) Make advances towards the goal of end-to-end seamless climate information and services;

The focus of MPI-M will be the performance and analysis of prediction experiments with the MPI-ESM-ER ocean-eddy-resolving prediction system.