

In summarising the specific objectives, PRUDENCE:

1. will provide a series of high resolution climate change scenarios for 2071-2100 for Europe; 2. in practical terms characterise the level of confidence in these scenarios and the variability in them related to model formulations and climate natural/internal variability;
3. assess the uncertainty in European regional climate scenarios resulting from model formulation; 4. quantitatively assess the risks rising from changes in regional weather and climate over the whole of Europe, and estimate future changes in extreme events such as flooding and wind storms, by providing a robust estimation of the likelihood and magnitude of the changes; 5. demonstrate the value of the wide-ranging climate change scenarios by applying them to climate impacts models focusing on effects on adaptation and mitigation strategies; 6. assess socio-economic and policy related decisions for which such improved scenarios could be beneficial; 7. disseminate the results of PRUDENCE widely and provide a project summary aimed at policy makers and non-technical interested parties.