Statistical analysis of climate projections

Statistical analysis of climate projections (eSACP) is a NordForsk project bringing together statisticians and climate modellers (including DTU Man and DTU Compute) with the aim of *integrating existing and developing new statistical tools for processing and visualizing climate data, evaluating climate model performance and providing physically-consistent climate projections for impact modellers and decision-makers*. The team invites Water DTU student projects involving model evaluation and/or novel probabilistic projections and visualizations of temperature (droughts), precipitation, storm tracking, sea level rise and storm surges; projects will contribute to the further development of the ESD R-package and a new R package for integrating climate and economics.

Project type

The project is suitable for MSc and BSc projects

Pre-requisites

Preferably experience with statistical analysis, R; basic knowledge on geophysics/earth system science and experience in working with climate data (e.g. course 42262 on climate modelling) is an advantage but not required. Other relevant courses: 25325, 30140, 30750 or 12205.

Group size

1 student

Department of supervisors

Main supervisor: DTU Management Engineering
Co-supervisors: DTU Compute, DTU Environment, DTU Space or DTU Aqua

Contact person

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Water DTU
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