**Seminar about climate data for sustainable planning and climate mitigation**

**12 September at AAU 10.00 – 16.00**

**Venue: AAU Cph, room 2.1.021 in A.C. Meyers Vænge 15, 2450 København SV**

 **(same level as the reception).**

**Program:**

10.00 Welcome and presentation (coffee and croissants)

10.20 Ole Bøssing Christensen, DMI:

***Regional climate modeling at the DMI and the use of model results for impact calculations***
The DMI has participated for a number of years in international collaboration on regional climate modeling, where global model results are currently being downscaled to spatial scales of around 12km grid distance. Data from such models are designed to be intercomparable, and multi-model ensembles are constructed in order to estimate various contributions to model uncertainty and spread. Many different kinds of impacts models have been used in order to estimate climate change impacts on society and ecosphere. I will describe what a regional climate model is and discuss some of the applications of regional model output data where the DMI has taken part.

10.50 Questions and discussion

11.20 Birgitte Hoffmann, AAU-PLAN:

***Value creating climate adaptation – the need for new data and methods in planning***

Challenges and competing strategies for climate adaptation at the municipal level viewed from the perspective of sustainable city transformation. Relations and cooperation between administration, supplies and municipality and how citizens and companies are involved.

11.40 Questsions and discussions

12.00 Lunch served

12.50 Søren Nors Nielsen, AAU-BIO:

***Ecological perspectives on cities and climate change***

Cities as ecological islands and how different strategies for remote data and new visions of city development may change their contribution to climate change.

13.10 Questions and discussion

13.30 Carsten Kessler, AAU-PLAN:

***The extent of the future heat challenge***
The Representative Concentration Pathways (RCPs) describe different scenarios for global warming, whereas the Shared Socio-Economic Pathways (SSPs) do the same for population numbers and socio-economic development. Based on these two sets of scenarios, we have analysed how many people can be expected to endure extreme heat waves by the end of the century. The presentation will also discuss how some of the ideas from this global study can be transferred to Denmark at a local scale, such as the effects of urban heat islands.

13.50 Questions and discussion

14.10 Ulrik Jørgensen, AAU-PLAN:

***The climate and planning challenge from buildings and transportation***Building codes, heating systems and energy planning promise changes that in practice are difficult to realize. Part of this relate to lack of coordinated effort in improving buildings and energy systems, other to the importance of foresight in management. While in transport planning area use and lack of focus on the overall efficiency and climate impacts are not included in discussions focused primarily on CO2 and pollutants.

14.30 Questions and discussion

14.50 Coffee and cake break

15.00 Final and concluding discussion

16.00 Seminar closes