Research outputs:

**TIMES-DK: Technology-rich multi-sectoral optimisation model of the Danish energy system**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Global outlook on energy technology development**
Research output: Research - peer-review › Report chapter – Annual report year: 2018

**Identification and Evaluation of Cases for Excess Heat Utilisation Using GIS**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Spatiotemporal and economic analysis of industrial excess heat as a resource for district heating**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Scenarios for sustainable heat supply and heat savings in municipalities - the case of Helsingør, Denmark**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Identification of Excess Heat Utilisation Potential using GIS: Analysis of Case Studies for Denmark**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Industrial excess heat for district heating in Denmark**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Heat supply planning for the ecological housing community Munksøgård**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Residential heat pumps in the future Danish energy system**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Ringkøbing-Skjern energy atlas for analysis of heat saving potentials in building stock**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Heat supply planning for the ecological housing community Munksøgård**
Optimal development of the future Danish energy system – insights from TIMES-DTU model

Residential heat pumps in the future Danish energy system
Petrovic, S. & Karlsson, K. B. 2015

Ringkøbing-Skjern Energy Atlas for municipal energy planning

Danish heat atlas as a support tool for energy system models

Global and national TIMES models: Use of IEA-ETSAP TIMES models in Denmark

Heat savings and district heating in TIMES-DTU model
Petrovic, S. 2014

Model for Determining Geographical Distribution of Heat Saving Potentials in Danish Building Stock

Spatial issues when optimising waste treatment and energy systems – A Danish Case Study

Use of Danish Heat Atlas and energy system models for exploring renewable energy scenarios

Projects:

progRESSHEAT: Fostering the use of renewable energies for heating and cooling
Münster, M., Karlsson, K. B., Petrovic, S., Kitzing, L., Ben Amer, S. & Salvucci, R. 01/03/2015 → 01/10/2017
Project: Research

Geographical representations of renewable energy Systems
Petrovic, S., Karlsson, K. B., Möller, B., Henningsen, G., Balstrøm, T., Bolkesjø, T. F., Balstrøm, T. & Bolkesjø, T. F. Institut, samfinansiering 01/11/2012 → 19/01/2017
Project: PhD
Activities:

Accounting for climate change-induced change in space heating demand: case of Denmark
Petrovic, S. (Speaker), Balyk, O. (Other), Larsen, M. A. D. (Other), Marin Radoszynski, A. (Other)
17 Jun 2018 → 21 Jun 2018
Activity: Talks and presentations › Conference presentations

Policies to drive heating and cooling towards decarbonisation: a model based ex-ante assessment
Lukas Kranzl (Speaker), Richard Büchele (Other), Marcus Hummel (Other), Münster, M. (Guest lecturer), Petrovic, S. (Other), Ben Amer, S. (Guest lecturer), Karlsson, K. B. (Guest lecturer), Tobias Fleiter (Other), Eftim Popovski (Other), Ali Aydemir (Other), Jan Steinbach (Other)
10 Jun 2018 → 13 Jun 2018
Activity: Talks and presentations › Conference presentations

Challenges of Data Availability for Analysing the Water-Energy Nexus
Larsen, M. A. D. (Other), Drews, M. (Speaker), Petrovic, S. (Other), Karlsson, K. B. (Other)
5 Feb 2018 → 7 Feb 2018
Activity: Talks and presentations › Conference presentations

Utilization of excess heat for district heating in the future Danish energy system
Petrovic, S. (Speaker), Bühler, F. (Guest lecturer), Simonsen, M. B. (Guest lecturer)
11 Dec 2017 → 12 Dec 2017
Activity: Talks and presentations › Conference presentations

Utilization of excess heat for district heating in the future Danish energy system
Petrovic, S. (Speaker), Bühler, F. (Guest lecturer), Simonsen, M. B. (Guest lecturer)
4 Oct 2017 → 8 Oct 2017
Activity: Talks and presentations › Conference presentations