

Online PhD course 2024: Advanced Energy Systems Analysis on the EnergyPLAN model

Aalborg University, Denmark, hosts this EnergyPLAN PhD course as a fully online course. The course gives an introduction to advanced energy system analysis using the EnergyPLAN model. The course takes place on 29 October - 26 November 2024. Registration is possible until 20 October 2024.

Contents

The course starts with an introduction to EnergyPLAN (installation, using, constructing new data sets) and proceeds to focus on the use of the model in

- sustainable cities and communities
- technical analyses of large-scale integration of wind
- analyses of exchange with external electricity markets
- combinations of different renewable energy technologies
- designing flexible energy systems using flexible technologies such as heat pumps, hydrogen storage, pumped storage etc.
- district heating systems versus individual houses and zero energy buildings
- designing energy systems based on multiple criteria

Information

Organiser: Professor Henrik Lund, lund@plan.aau.dk
Lecturers: Jakob Zinck Thellufsen, Poul Østergaard and Henrik Lund

Place: Online
Fees: PhD fellows: 120 EUR

Professionals (consultancy, industry, etc.): 1200 EUR

Registration: Via this [link](#) until 20 October 2024. Registration is binding.








Payment: Payment upon registration. Credit card payment is required to access course.

Website: <https://energyplan.eu/our-workshops/>

Contact: lund@plan.aau.dk (course) or mettes@plan.aau.dk (registration)



Timeline

Module 1 Getting ready	Online session 1 Welcome	Module 2 Starting up energy system modelling	Online session 2 Q&A	Module 3 Independent scenario analysis	Online session 3 Q&A	Online session 4 Course exam
 Oct 20 - Oct 28	 Oct 29	 Oct 29 - Nov 11	 Nov 12	 Nov 12 - Nov 18	 Nov 19	 Nov 26
These are activities required to be ready to start the course. This includes downloading EnergyPLAN and looking into training exercises.	Online live meeting in Teams, where we welcome you all, and you present your topics of study.	In this period, we expect you to watch Lectures 1-3 and start up your energy system modelling in EnergyPLAN establishing reference models.	Online Q&A session where we will answer any questions you may have on the modelling.	In this period, we expect you to watch Lectures 4-6 and continue your modelling, working on scenarios etc.	Online Q&A session where we will answer any questions you may have on the modelling. After this session, the final week is dedicated to finishing your models and preparing your presentations.	At the exam, all students present their models and scenarios in a live online meeting.