



# Energy management and “smart” buildings in cold climate

Umeå, Sweden 16th of october 2018



# Energy management and “smart” buildings in cold climate

Umeå, Sweden 16th of October 2018

The Northern European Energy Cluster (N-EEC) is a joint action initiated by three separate EU projects in the northern peripheral regions of Europe, i.e. Renovation Center funded by Interreg Botnia-Atlantica, e-Lighthouse funded by the Northern Periphery and Arctic Programme (NPA) and ICNB (Increasing Competence in Northern Building) funded by Interreg Nord. The core idea in N-EEC is to gather the strengths and best practices from each ongoing project and create added value by arranging several joint events on energy efficiency and retrofitting of buildings.

**Date: Tuesday, 16th of October, 2018**

**Time: 13:00 – 17:00**, Starting with joint lunch from 12:00 at Universum.

**Location: Universitetsklubben, Universum, Umeå University, Johan Bures väg 8, 907 36 Umeå**





## Program

**12:00 Lunch at Universum Restaurant Lingon, a table will be reserved under name N-EEC**

**13:00 e-Lighthouse**

- Introduction, Antti Haapalahti, Oulu University of Applied sciences

**13:10 ICNB**

- Introduction, Sofia Lidelöv, Lulea University of Technology

**13:20 Renovation center**

- Introduction, Annika Glader, Novia, Vasa

**13:30 Cases and good examples from e-Lighthouse, ICNB and Nordic renovation center (10 – 15 min/presentation including time for questions)**

- Case Bergö skola, Annika Glader, NOVIA, Vasa
- Energy Monitoring and Analysis of a Passive house Preschool, Ronny Östin, Umeå University
- Energy management by conducting regression analyses of energy data, Ciaran Galvin, Cork County Council
- Enerkey, energy monitoring of municipal buildings, Olli Teriö, City of Oulu
- Energy Efficiency Management in Model Based Building Information, Peter Danielsen, UiT, Tromsø (by videolink)

**14:40 Coffee Break**

**15:00 Akademiska Hus**

- Energy management in “Connected” buildings, John Öbrink, Akademiska hus

**15:40 Parallel Workshops**

- Group 1: Opportunities and challenges in intelligent building control system in public buildings
- Group 2: Enhancing energy efficiency with data, Simple and affordable ways to manage complex data sets

**16:30 Summary**

- Summary of Workshops in whole group

**17:00 End of seminar**