Energy and Connectivity:
Towards a Low Emission University Campus

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South East European University (SEEU)

- Private, public, not for profit higher education institution in North Macedonia sponsored by OSCE, EU Commission and USAID
- The Campus has started the path to sustainability a few years ago with the aim to manage carbon and energy more efficiently.
- **Low Emission University Campus** through the Implementation of a Climate Action Plan (CAP).
The Climate Action Plan (CAP)

- The project, launched on March 2010 aimed at introducing high energy efficiency measures and **renewable energy technologies** in the South East European University, with the purpose of realizing a low emission campus through the implementation of a CAP.
By 2020, SEEU is able to cover **28%** of the current electricity demand through the installation of PV Plants.
The Sustainable Energy Building

Overview of the Sustainable Energy Building and adjacent shelter showing the sustainable technologies applied
SEEU Emissions by 2020

GHG emissions as of 2009: 5,085 tCO2e per year
GHG emissions forecast in 2020: 3,420 tCO2e per year
Emission Reduction: 35%
Sustainable Internet Connectivity
Green Energy SEEU WISP

Community Network within a campus:
- based on guifi.net
- qMp mesh network
- Ubiquiti M5 devices
- using Green Energy
Thank you!

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