

Public seminar on solar and daylight planning in urban environments

09:00 Welcome

Gabriele Lobaccaro, NTNU - Tobias Kristiansen, Multiconsult

09:05 Presentation of Task 63

Maria Wall, Lund University, Sweden

09:10 Presentation of NTNU Energy Team Solar

Steve Völler – Marisa Di Sabatino, NTNU

Session 1. Urban legislation for solar energy planning and daylight

09:25 Powerhouse Brattørkaia

The northernmost plus energy office building in the world

Robert Hoel Lund, Skanska

09:40 Solar power plants (on buildings) Reference projects

Geir Fikke, FUSen

09:55 Right to light, daylight and solar impact in cities

Ida Bryn & Tobias Kristiansen, Multiconsult

10:10 Paving the way for solar access in Swedish cities

Jouri Kanters, Lund University, Sweden

10:25 Q&A / Round table

Coffee Break – Poster session

Session 2. Methods for solar potential in built environments

10:55 Large Scale multicriteria sorting of the PV-suitability of the roofs:

Application in the Great Geneva territory

Martin Thebault, Centre national de la recherche scientifique, France

11:10 Definition of corrective coefficients and data implementation in GIS environment for solar potential

Martina Giorio, University of Padua, Italy

11:25 The application of Machine Learning in the design of solar-centric neighbourhoods

Javeriya Hasan, Toronto Metropolitan University, Canada

11:40 HELIOS - Enhancing exploitation of solar energy in Nordic cities through the digitalization of the built environment

Mattia Manni, NTNU

11:55 Q&A / Round table

Lunch break – poster session

Session 3. Building Integrated Photovoltaics – BIPV

13:40 BIPV in urban areas

Hassan Gholami, Multiconsult

13:55 Adapted strategy for large-scale assessment of solar potential on facades in urban areas. Application to Geneva.

Desthieux Gilles, HEPIA - Haute école du paysage, d'ingénierie et d'architecture, Switzerland

14:10 Fire safety in BIPV-installations

Reidar Stølen, RISE – NTNU

14:25 Q&A / Round table

Session 4. Competing use of urban surfaces

12:45 Comparison of Rooftop Technologies: green roofs vs PV roofs

Erlend Andenæs, NTNU / KLIMA 2050

13:00 Defining urban surface uses for climate resilience cities.

A case study in Italy

Silvia Croce, EURAC, Italy

13:15 The Urban Microclimate in Cold-Climate Cities at High Latitudes

Johannes G. Brozovsky, SINTEF

13:30 Q&A / Round table

14:35 Wrap up - End of seminar

Seminar sponsored by: