

Powered by Space – Space technologies and energy transformation

Tuesday 12 March | 15:00 - 17:00
Music Hall

Sustainable Energy and climate change are some of the most challenging topics that need to be addressed right now. ‘How do we get to a sustainable energy system by conforming to the limitations brought about by the climate change agreement?’ And ‘how do we transition to a low carbon economy?’ are questions that cannot be addressed easily. Moreover, the energy transition involves many actors and stakeholders that make finding a solution even more demanding.

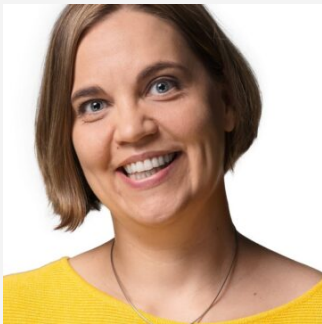
Space technologies and solutions can have a prominent role in addressing some of the energy related challenges. There is an exponential growth of available space-based data world-wide, including Earth Observation (EO), Global Navigation Satellite Systems (GNSS), Geographic Information System (GIS), satellite communication as well as weather and sea state information, both as open source and via commercial data providers. The rapid advances in space technology enabling the wealth of data have opened various opportunities for many

industry sectors. This seminar focuses on the benefits and applications of space technology and data for the energy sector – especially for the energy transformation and a greener future.

Powered by Space – Speakers and Topics

15:00 - 15:10

Opening words – Kvarken Space Center & Space Data for Energy Transition



[Prof. Heidi Kuusniemi](#)

Director, Digital Economy & Kvarken Space Center
University of Vaasa

15:10 - 15:30

Opportunities of Space – A Finnish Economy Perspective



[Tero Vihavainen](#)

Chief specialist, Space Affairs,
Ministry of Economic Affairs and Employment

15:30 - 15:50

Geospatial information utilisation in the energy sector



[Maria Inkiläinen](#)

Product Manager
Fortum Power and Heat

15:50 - 16:10

Wind Resource Assessments and Geospatial Data/GIS



[Jukka Rönnlund](#)

Project Manager, Partner
Etha Wind Oy Ab

16:10 - 16:25

Harmonizing Profit and Planet: Geo-Informed Environmental Accounting



[Mikko Ranta](#)

Associate Professor
University of Vaasa

16:25 - 16:30

Copernicus User Forum Finland in 5 Minutes



[Dr. Ali Nadir Arslan](#)

Senior Scientist, Finnish Meteorological Institute &
Adjunct Professor, Fellow,
University of Vaasa

16:30 - 17:00

SPACE meets ENERGY, PANEL DISCUSSION



[Dr. Ali Nadir Arslan](#)

Senior Scientist, Finnish Meteorological Institute &
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