



Surprising Energy Futures Testing Resilience of Renewable Energy World with Black Swans

Are you curious of the unexpected?

In 2050 we may be able to produce more energy than today with 100% renewables. This would change not only economy, but the whole society. In such an interconnected and complex world change would occur in myriad ways.

We invite you to discuss and explore discontinuities, risks, and new possibilities in a 2050 society based on renewable energy. What black swans and wild cards – unexpected and abrupt events – may lie ahead of us?

The clinique consists of presentations by Karlheinz Steinmüller, Jarno Limnéll and Sirkka Heinonen – leading to workshop sessions in small groups.

Time: Wednesday 17th May 2017, 11:30 am – 4:15 pm

Venue: Sitra, Helsinki

Registration: Via webropol

<https://www.webropol-surveys.com/S/F5EE112A9CA00B88.par> by 9th May

The number of participants is limited, so please register early!

During the working sessions five thematic groups co-creatively explore discontinuities and their impacts by using different foresight methods. The group work is divided into the following five themes:

1. Politics: nation-states, governments, geopolitics, new ideologies
2. Corporations and economy
3. Civil society & peer-to-peer practices
4. Robotisation & artificial intelligence (AI)
5. New lifestyles

The event is part of the Tekes-funded Neo-Carbon project, and organised by Finland Futures Research Centre (FFRC) in co-operation with Sitra and the Millennium Project.

The material and expert speeches are provided in English.

The group work is conducted in English and in Finnish.

Expert Speakers:



Karlheinz Steinmüller is the Scientific Director of German foresight company Z_Punkt, and representative of the German node of the Millennium Project.

Prof. Jarno Limnéll is a professor of cybersecurity at Aalto University.



Prof. Sirkka Heinonen is professor of futures studies at University of Turku.

For more information on the Neo-Carbon Energy project:

<https://www.utu.fi/en/units/ffrc/research/projects/energy/Pages/neo-fore.aspx>
www.neocarbonenergy.fi

For more information on Neo-Carbon Energy Scenarios:

<https://www.utu.fi/fi/yksikot/ffrc/tutkimus/hankkeet/Documents/NeoCarbon-WP1-1-2016.pdf>

For more information on the Futures Clinique: Marjukka Parkkinen marjukka.parkkinen@utu.fi