

# Sustainable Energy for Remote Polar Regions

Energy is essential to support living under harsh polar conditions. Therefore, all needed energy has to be generated locally due to the absence of a grid connection in remote communities. The lecture will focus on the energy demand site for off-grid use and how energy could be used flexibly to utilize the generated energy as much as possible. Cascading energy usage system will be discussed as a way to use energy if high self-sufficiency is required, for example, at polar (off-grid) research stations.

**Dr. Magnus de Witt, Reykjavík University**

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27 . 04 . 2023 10 : 00 - 12 : 00

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