

Solarcharge 2020

SOLAR
CHARGE
2020

THE PROJECT

SUSTAINABLE REGIONAL BIOENERGY POLICIES: A GAME CHANGER

The EU project “Solarcharge 2020” was conducted from 2016-2018 in the Arctic city of Tromsø and the Swedish city Uppsala in Mid-Sweden. With a rapid increase in the number of electric cars electric grids are put under pressure. Researchers set out to optimise the correlation between solar energy production and charging of electric vehicles, so-called load match, by collecting data from around 200 charging stations.

Solarcharge 2020 has resulted in the development of methods and models for estimating electric vehicle charging and solar energy production at the city level allowing for more efficient solar production and consumption



Objective

Smarter solar charging developed in the project can reduce the need for increasing electricity grid capacity.

