

Energy portal site 2.0 - API data sources for Region Uppsala

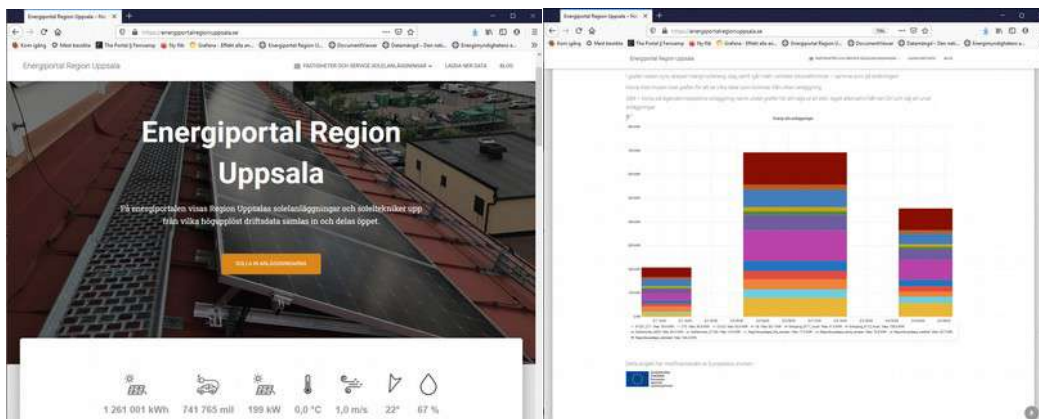
The Uppsala Region is responsible, among other things, for the health care and public transport in Uppsala County. This includes keeping up the Academic Hospital, a socially important function with a life-sustaining purpose that must never stand still. The hospital is three blocks large, uses 100 GWh of energy annually (corresponding to about 7,000 villas). In order to work with the region's social impact, large energy-saving projects have been implemented in recent years and own electricity production has been introduced via solar cell installations comprising more than 1500 kW.



Några av Region Uppsalas Solelanläggningar omfattande totalt över 1500 kWp.

The Uppsala Region intends, through these installations, to also strengthen the innovation power in the Swedish solar industry. This is done by opening up data and disseminating the experience from the expansion of the solar plants, which are of many different technologies. The goal is to be able to compare them. Part of this work is the launch and further development of the site <https://energiportalregion uppsala.se>.

More data sources are needed for the portal and this is where you come in! Public organizations also have a legal requirement to disclose socially important data - the [Public Sector Information Act](#). Very few have done this and here, Region Uppsala together with us at STUNS wants to make a difference.

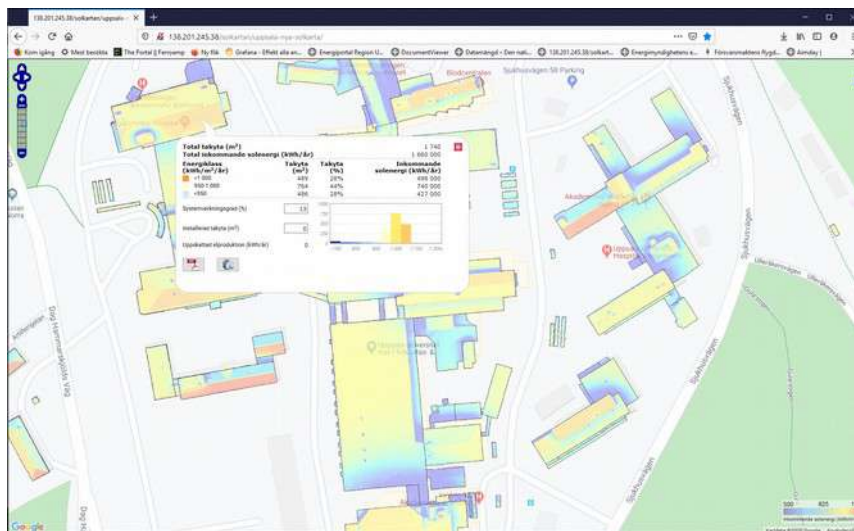


Through the project work you will:

- Develop solutions in existing Azure environment to receive, store and manage data from API sources.
- Intended data sources are a number of solar installations at Skolfastigheter AB's properties, Industrihus AB's facilities with FerroAmp EnergyHub technology, with and without energy storage. Gränby sports field.
- Adapt input to the existing nomenclature, concerning for example naming and devices.
- Present the facilities that are now connected to the energy portal on the portal's website.
- Present news about upcoming data sources in the form of blog posts on the site.
- Present the collected data at <https://opnadata.se>.

If time allows

- Investigate the possibility of providing API access to the energy portal's data to a data user in the form of open data. Review of cost and load estimates, licensing for data reuse etc.
- Integration with [the municipality's solar map](#) to present the actual production of these solar installations in the map view.



Contact / project leader

Fredrik Björklund

STUNS Energi

Mobile: +46 (0)72 550 65 45

E-mail: fredrik.bjorklund@stuns.se