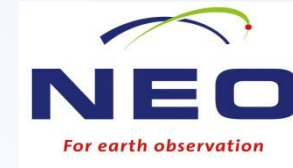


EO services contributing to SDGs

Assess rooftop solar energy potential



- User: policy makers, energy solution companies and investors, and utility sector
- Challenge/Needs: Assess rooftop solar energy potential for cities worldwide
- initiative: Sustainable energy development program funded by SDG Fund and ESMAP from the World Bank Group. Solar photovoltaic (PV) electricity generation has potential to help make power more affordable and cleaner when it displaces more expensive, more polluting alternatives. In spite of the attractive economics and great potential of rooftop solar PV energy to provide clean and reliable energy, in many emerging markets, the adoption and scaling up of rooftop solar installations remains challenging due to the lack of access to data/tool for feasibility studies, finance and reliable/quality technical partners. This service aims to address the barrier of lacking accurate PV potential data for planning and investment decisions.
- Results: 1) estimate the rooftop suitable area for solar panel installation 2) estimate the installable capacity and generated yearly power potential 3) mapping the energy potential per building sector and per administrative units 4) building the online platform to visualize the mapping and results 5) provide access to the data to the public
- Impact: The service has been provided to 15 cities in developing countries global wide so far. The mapping results are highly valued by regional bank teams and the government counterparts as it provides detailed information at individual building level for analysis and facilitates the project planning. It allows decision making based on data-driven approach.
- Service Provider: NEO BV

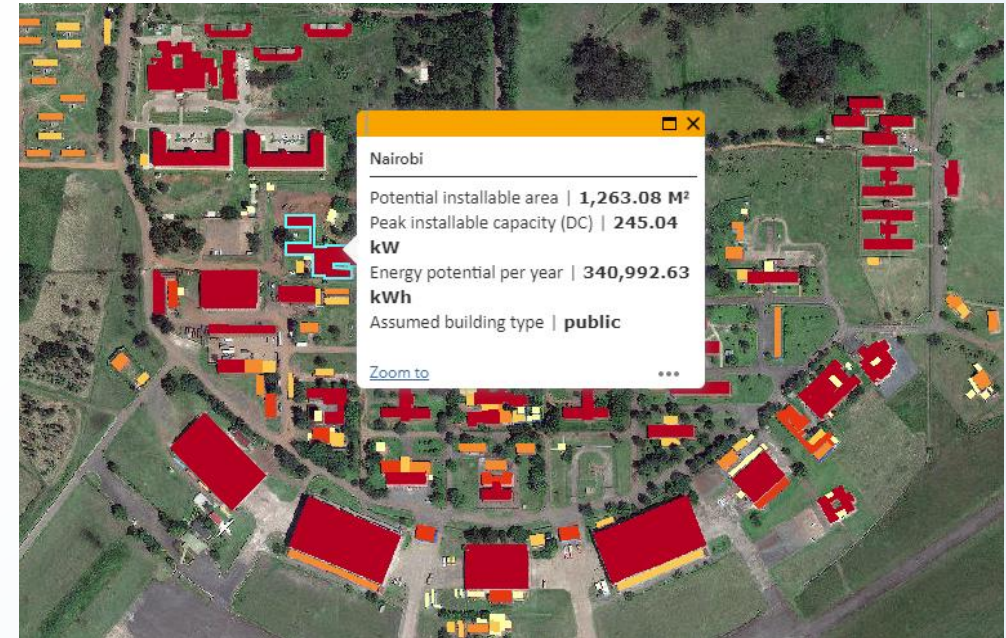
Rooftop solar potential:

https://energydata.info/organization/6c36a5eb-4cd6-4616-b530-da46f8b04ed3?vocab_regions=AFR

NEO Solar panel monitoring service:

<https://zonnepanelen.neo.nl/landing>

Target 7.1: By 2030, ensure universal access to affordable, reliable and modern energy services.



Rooftop solar energy potential

