

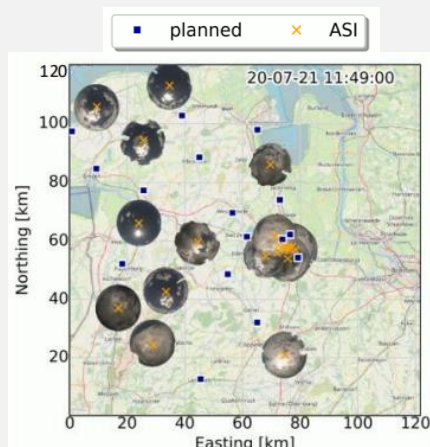
Multi-source observations to improve solar forecasting

Observation

ASI based nowcast



Eye2Sky network

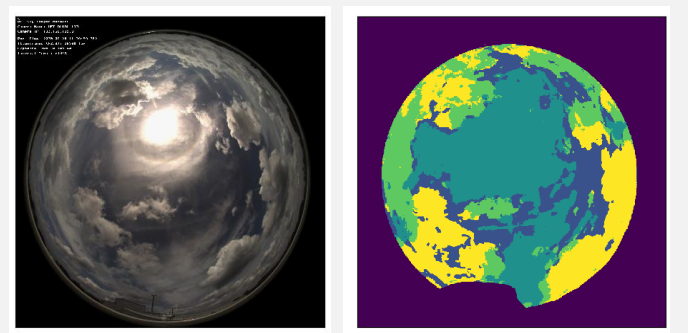


Meteosat based forecast

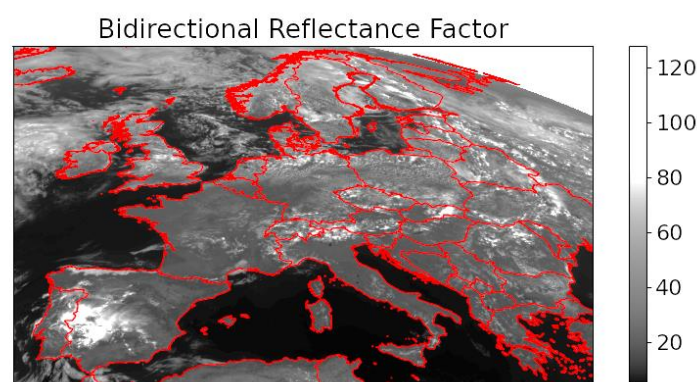


Processing

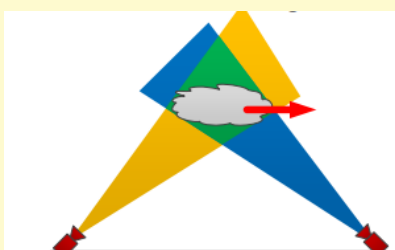
ASI image processing cloud detection



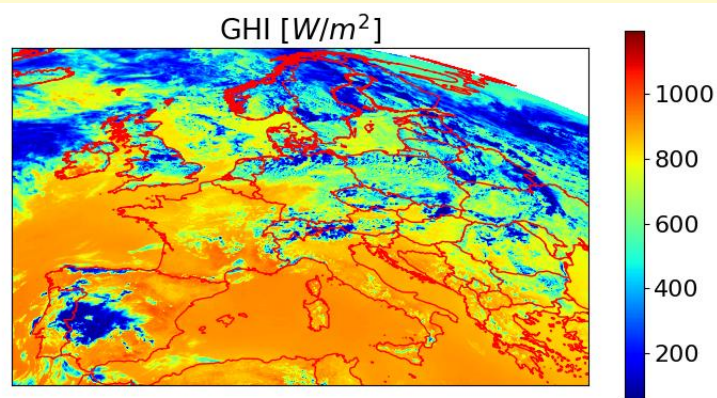
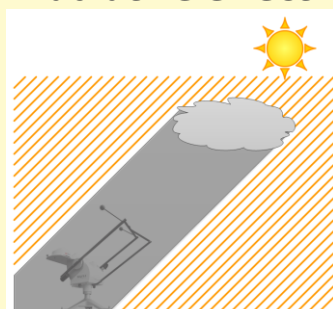
Heliosat method



Geolocating & tracking

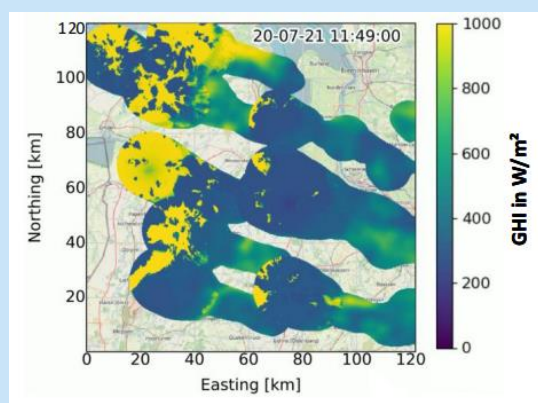


Shadow projecting & radiative effect

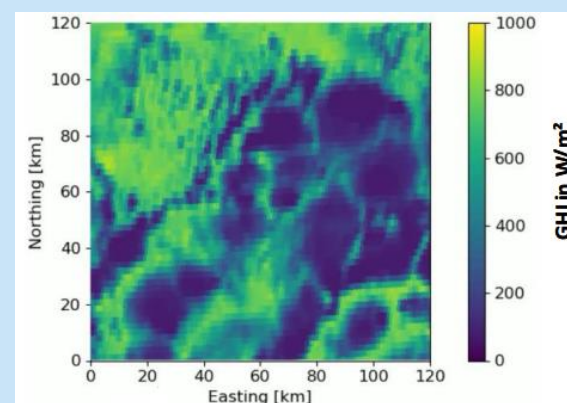


Spatial nowcast/forecast

High resolved nowcast: limited in coverage and horizon



Full coverage forecast (Horizon ~6h): limited in resolution



Data combination for high resolved seamless forecast as well as data assimilation for improved NWP