

# Solar resource assessment in Ireland, comparison of satellite data versus ground measurements

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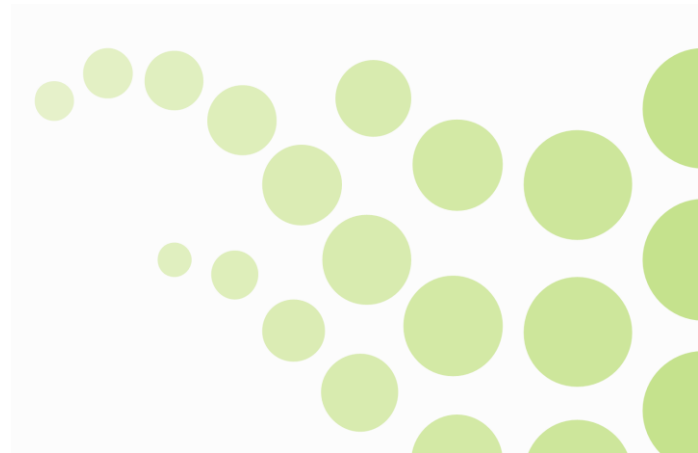
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## SUMMARY

# Solar measurements analysis

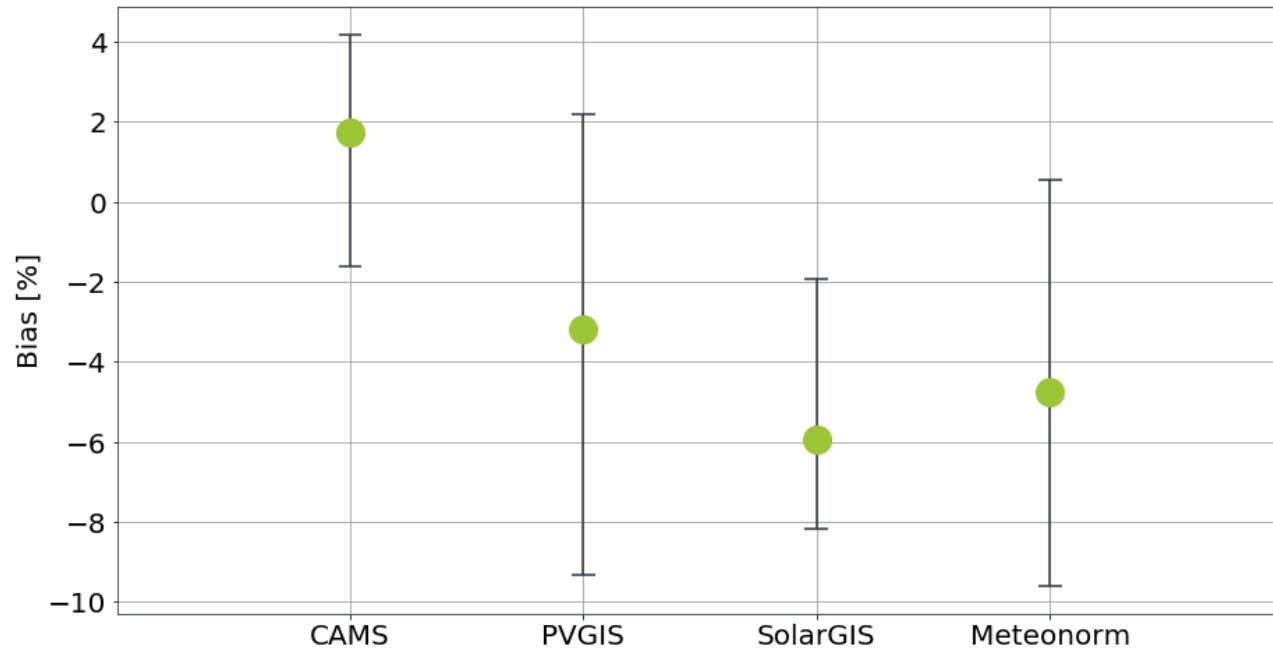


- 17 high quality solar meteorological stations in Ireland used in this analysis
- Data is monitored and quality controlled by BrightWind
- A long-term CAMS dataset was used to put measurements in a long-term perspective
- CAMS, PVGIS, SolarGIS and Meteonorm long-term satellite derived data was evaluated against long-term measurements
- Analysis developed in conjunction with Everoze

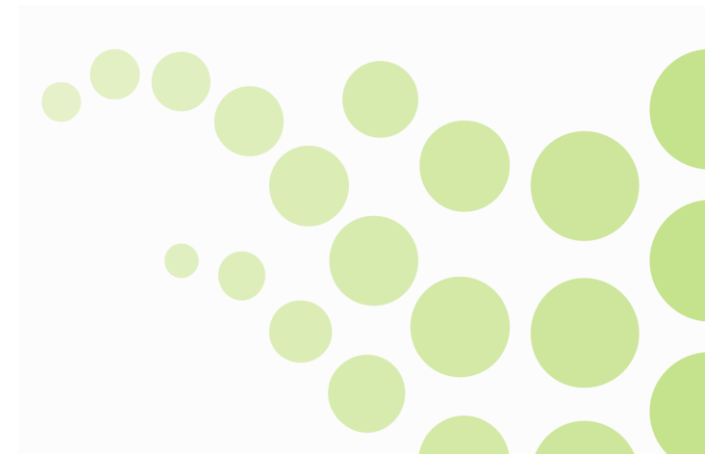


## RESULTS

# Satellite long term data validation



- Majority of models underpredict and in one case overpredict solar resource in Ireland meaning lost value for solar developers
- On-site solar measurement allows capture of lost potential revenue for developers



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