Observatory SIRTA I

with France | Alliance Technologies

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Located at the Ecole Polytechnique IPSL, this study involved several labs like LMD, GEEPS, LISN. The project was to cayy a comparison of 5 types of solar panels in terms of production, time degradation and temperature effects on the output power. Researchers head of these projects Anne Migan Dubois (GeePs), Jordi Badosa (LMD), Vincent Bourdin (LISN-GeePs) The SIRTA Atmospheric Research Observatory is one of few sites in Europe offering the instrumentation and the facilities to study atmospheric physico-chemical processes from the surface to the upper troposphere through the boundary layer.

At SIRTA, we study climate variability at regional and decadal scales and evaluate the performance of atmospheric models (climate projection, weather forecast, chemistry-transport, etc.). A new topic of photovoltaics, agricoltaics and solar cells perovskyte is being developping quick. The Institute Pierre-Simon Laplace (IPSL) unites the expertise of eight laboratories and two associated teams specialising in one or more aspects of the climate and environmental sciences and the exploration of the solar system. Nearly 1,500 people (researchers and lecturer-researchers, engineers, technicians, administrative staff, doctoral students, post-docs and interns) work on around ten sites in Île-de-France. The Laboratoire de météorologie dynamique (LMD) studies climate, pollution and planetary atmospheres by associating theoretical approaches with instrumental developments in observation and digital modelling. It is at the forefront of research on dynamic and physical processes to permit the study of the evolution and prediction of meteorological and climatic phenomena.

https://sirta.ipsl.fr/

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Instruments: MS-60S Pyranometer
Collaborators: Alliance Technologies
Measured Parameters: Global irradiance
Field: PV Monitoring
Challenges: -
Installation Date: 19/1/2021
Plant Poser/Size: -
Location: Paris, France