



Centre Observation, Impacts, Energie

SOLAR TRAINING 7th EDITION

Sophia Antipolis January 21st – 25th, 2019

Program

Monday January 21st, 2019 (OPTIONAL)

14:00 – 16:00	Basics in solar radiation - Practical work : sun position	Pr. Philippe Blanc
16:00 – 16:30	Coffee break	
16:30 – 17:30	Basics in GIS	Pr. Thierry Ranchin

Tuesday January 22nd, 2019

08:30 – 09:00	Welcome coffee - Registration	
09:00 – 10:30	Presentation of MINES ParisTech and Transvalor - "Ice breaker" – 5 min introduction of posters of OIE PhD students – Presentation of the mind map that attendees will be able to fill all training long.	Pr. Philippe Blanc Dr. Etienne Wey Dr. Claire Thomas
10:30 – 11:00	Coffee break – poster session	
11:00 – 12:00	Presentation of the SoDa service	Dr. Mathilde Marchand
12:00 – 14:00	Lunch	
14:00 – 15:30	Site prospection using existing atlases (IRENA, PACA, Urban solar cadasters...)	Dr. Etienne Wey
15:30 – 16:00	Coffee break – poster session	
16:00 – 18:00	In-situ measurements, quality control and exploitation	Dr. Etienne Wey Pr. Philippe Blanc
18:00	Adjourn day	

Transvalor S.A.
Parc de Haute Technologie
Sophia Antipolis
694 av. du Dr. Maurice Donat
06255 Mougins Cedex – France

S.A. au capital de 424 320 €
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Wednesday January 23rd, 2019

09:00 – 10:00	Practical work: Analyze cases of measurement failures	
10:00 – 10:30	Supplementing ground data with meteorological analyses	Dr. Claire Thomas
10:30 – 11:00	Coffee break – poster session	
11:00 – 12:00	Supplementing ground data with satellite data – part 1	Dr. Claire Thomas
12:00 – 14:00	Lunch	
14:00 – 15:00	Supplementing ground data with satellite data – part 2	Dr. Claire Thomas
15:00 – 15:30	Validation	Dr. Claire Thomas
15:30 – 16:00	Calibration of a long term satellite irradiation time series	Dr. Etienne Wey
16:00 – 16:30	Coffee break – poster session	
16:30 – 17:00	Analyze of long term solar resource – variability and representativeness (TMY)	Pr. Philippe Blanc
17:00	Adjourn day	

Dinner in Antibes



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Thursday January 24th, 2019

09:00 – 09:30	High resolution spatial and temporal variability	Pr. Philippe Blanc
09:30 – 10:00	Monitoring an installation with satellite irradiation data	Dr. Etienne Wey
10:00 – 10:30	Coffee break – poster session	
10:30 – 11:30	Introduction to forecast methodologies	Dr. Yves Marie Saint-Drenan
11:30 – 12:15	Bank and projects financing – Questions and answers	Pierre-Antoine Machelon
12:15 – 14:00	Lunch	
14:00 – 15:30	Presentation of the advances of research and developments in SoDa (spectral radiation values, cloud motion vectors, geographical extension of HelioClim-3...) – How European projects and level agreements between companies support SoDa	Benoit Tournadre Dr. Claire Thomas Dr. Yves Marie Saint Drenan Pr. Philippe Blanc Pr. Thierry Ranchin Dr. Etienne Wey
15:30 – 16:30	Round table: debriefing of the mind map: collect recommendations from attendees to improve the training. Distribution of questionnaires and feedback	Dr. Claire Thomas Dr. Mathilde Marchand
16:30	Adjourn day	

Friday January 25th, 2019 (OPTIONAL)

09:00 – 12:30	Parallel practical work sessions - QGIS discovery and use - Tutorial for resource assessment (management of technical data): Prerequisite: MatLab knowledge	QGIS : Dr. Etienne Wey Resource assessment : Pr. Philippe Blanc
12:30 – 14:00	Lunch	
14:00 – 16:00	Parallel practical work sessions - QGIS discovery and use - Tutorial for resource assessment (management of technical data): Prerequisite: MatLab knowledge	QGIS : Dr. Etienne Wey Resource assessment : Pr. Philippe Blanc
16:00	Adjourn day	

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