



Centre Observation, Impacts, Energie

SOLAR TRAINING 6th EDITION

Sophia Antipolis 15 – 19 January 2018

Program

Monday 15th January, 2018 (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 16th January 2018

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 Pr. Lucien Wald
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 €
Siret n° 331 211 466 00031
R.C. Cannes B. 331 211 466
Id TVA n° FR 69331211466
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Wednesday 17th January, 2018

09:00 – 10:00	Practical work: Analyze cases of measurement failures	
10:00 – 10:30	Supplementing ground data with meteorological analyses	Pr. Lucien Wald Dr. Claire Thomas
10:30 – 11:00	Coffee break – poster session	
11:00 – 12:00	Supplementing ground data with satellite data – part 1	Pr. Lucien Wald Dr. Claire Thomas
12:00 – 14:00	Lunch	
14:00 – 15:00	Supplementing ground data with satellite data – part 2	Pr. Lucien Wald Dr. Claire Thomas
15:00 – 15:30	Validation	Pr. Lucien Wald
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)	Melodie Trolliet
17:00	Adjourn day	

Dinner in Antibes

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Thursday 18th January, 2018

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	Amaury Schoenaeur (CEPAC)
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 Pr. Lucien Wald 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 19th January, 2018 (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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