

First week

General topics

	Mon, Nov 7	Tue, Nov 8	Wed, Nov 9	Thu, Nov 10	Fri, Nov 11	Sat, Nov 12
09:00-09:45		General introduction to NESTER school [Cyl+ENEA]	Central Receivers [Cyl- Costas Marakkos]	Power cycles for CSP plants [CNRS-PROMES-Gilles Flamant]	Basics of CSP economics [Cyl-Nestor Fylaktos]	Cultural visit to Archeological site and typical village [Cyl]
09:45-10:30		Role of CST in the energy system of the future [Cyl-Manuel Blanco]	Solar Energy Harvesting with Heliostats [Cyl-Aris Bonanos]			
10:30-11:00						
11:00-11:45		General introduction to CSP and CST technologies [ENEA-Luca Turchetti]	Linear Fresnel [Idea /Cons. ARCA-Fabio Montagnino]	Thermal Storage [ENEA-Luca Turchetti]	Outlook on research and commercial projects/ future perspectives [Cyl- Manuel Blanco]	
11:45-12:30				Solar Dishes [Idea /Cons. ARCA-Filippo Paredes]		
12:30-14:00						
14:00-14:45		Solar Resource [ENEA- Simona de Iliiis]	Activity: Simulation of PT and/or CR plant [CNRS-PROMES – Cyril Caliot]	Alternative applications for CST energy [ENEA- Luca Turchetti]	Assessment or other activities (Cyl)	
14:45-15:30						
15:30-16:00						
16:00-16:45		Parabolic Troughs [CNRS-PROMES –Cyril Caliot]	Activity: Simulation of PT and/or CR plant [CNRS-PROMES-Cyril Caliot]	Visit of facilities with experts [Cyl-Fresnel and TESLAB]		
16:45-17:30						
18:30 – 20:30		Welcome and registration of participants				

Second week

Advanced modules: Optics ; Desalination

	Mon, Nov 14	Tue, Nov 15	Wed, Nov 16	Thu, Nov 17	Fri, Nov 18
09:00-09:45	Reflectance: The concept, the use in CSP and the difficulty of its standard measurement [ENEA-Marco Montecchi]	Flux measurements [CNRS-PROMES-Emmanuel Guillot]	Water Resources & Desalination Basics [CIEMAT-Diego Alarcón]	Mathematical Modelling of Desalination Processes [CIEMAT-Patricia Palenzuela]	
09:45-10:30					
10:30-11:00					
11:00-11:45	Thermo-optical properties of materials for CSP: Simulation and characterization [CNRS-PROMES-Audrey Soum-Glaude]	Optical characterization of PT systems [ENEA- Marco Montecchi]	Conventional Desalination Technologies [CIEMAT-Diego Alarcón]	CSP + D: the Case of PROTEAS facility [Cyl-Marios Georgiou]	
11:45-12:30				Solar thermal cogeneration plants (CSP+D) [CIEMAT-Patricia Palenzuela]	
12:30-14:00					
14:00-14:45	Optical modelling in CSP [CNRS-PROMES-Cyril Caliot]	Optical characterization of dish systems [ENEA-Marco Montecchi]	Large capacity solar thermal distillation systems [CIEMAT-Patricia Palenzuela]	Solar Desalination Economics [CIEMAT-Diego Alarcón]	
14:45-15:30	Optics and Modelling in CST [Cyl- Evgueni Votyakov]		Low capacity solar thermal distillation systems [Cyl-Elena Guillen]	Wrap-up and school closing	
15:30-16:00					
16:00-16:45	Afternoon activities: Tonatiuh tutorials [Cyl]	Afternoon activities: Q&A session about topics of the module [CNRS-PROMES+ENEA]	Afternoon activities: design of a solar powered desalination plant [CIEMAT]		
16:45-17:30					