












	PV	Wind	Grid Integration	Solar Thermal	Ocean Energy	Sustainable Fuel Systems	
	 PV	 Wind	 Grid integration	 Solar Thermal	 Ocean Energy	 Sustainable Fuel Systems	
 Location	Northumbria England	Athens Greece	Zaragoza Spain	Odeillo France	Lisbon Portugal	Groningen The Netherlands	
 Most adapted Education Background	Physics Electrical Engineer Electronic Engineer	Mechanical engineering Physics	Electrical Engineer Electronic Engineer Communication Engineer Industrial Engineer	Material Science Mechanical science Engineering science	Mechanical engineer	Chemistry Biotechnology Chemical engineering technology Mobility	
 Career perspective	PV Engineer Engineer Research (ranging from PV cells and modules to PV systems of all sizes and applications)	Electrical Engineer Technical Manager Mechanical Engineer Wind Energy Engineer Project Engineer Wind Resource Assesment Manager	DER planning, installation or onsite solutions, this work could be developed for Electric distribution or transport operators (DSO/TSO). At RE technology manufactures or at any other company or research center involved in providing solutions for DER Grid Integration	Solar Energy Engineer Solar fuel production process heat desalination building R&D	Engineers in marine renewable industries Marine renewable energy project developers Experts for National or International institutions Researchers in academic or industrial labs	Designer Researcher or developer in sustainable fuel production transport storage & use	Consultant Entrepreneur
 Total Hours (practical and theoretical activities)	283 total hours 90 hours lectures 15 hours laboratory + 18 hours seminars 150 hours directed learning	276 total hours 266 hours lectures 5 hours laboratory + 2 days seminar in PC lab 5 hours Workshop	280 total hours 175 hours lectures 25 hours laboratory 80 hours practice-oriented lessons	280 total hours 155 hours lectures 50 hours laboratory 75 hours tutorials	245 total hours 153 hours lectures 12 hours laboratory 80 hours tutorials	300 total hours 139 hours lectures 156 hours laboratory 5 hours tutorials	
Number of visits	1-2 visits depending on availability	1 visit of 3 hours	5 visits	3 visits: Solar facility technical company visit	2 1 1 Visit: At the WindFloat, a 2 MW turbine installed off the Portuguese coast and connected to the grid	3 visits	
 External Lecturers	Guest lectures and research seminars from PV experts from research and industry (varies according to availability)	4 days with 2 experts	33% of external lectures (approx. 14% coming from DSO/Tso; 5% coming from manufacturers; 14% others like solution providers, research centers, universities)	2 Research Engineers Director Senior Researchers Researchers 1 Professor	1 2 2 5 Senior Researchers from WavEC 1 Research Assistant from WavEC 1 Research Assistant from EDP Inovação	Professors from ECN, RUG, TU Endhoven Representatives from companies tbd	