
Technical Presentation

Highlights on Technologies Developed at Cea and their Potential Application on Insular Territories

By Antoine Guerin de Montgareuil

Date: Thursday 14th February 2019

Time: 6.15pm Complimentary refreshments will be served at 5:45pm

Location: **Corinthia Palace Hotel, Attard**

The French Atomic energy commission (CEA), created in 1945, has been studying alternative energies for more than 40 years. In 2011, it has been renamed to show its commitment in the energy transition towards renewable energy in France. At CEA, a big laboratory of more than 1000 people has been created in 2004, which developed many technologies in the domain of renewables: photovoltaics, hydrogen, electrochemical batteries, electric mobility and smart grids. Moreover, CEA is deeply involved in the development of renewables in French insular territories overseas departments and Corsica. The three-year collaboration between CEA and MCAST Energy will allow fruitful exchanges of knowledge between Malta and France.

Antoine Guerin de Montgareuil graduated from Paris Mining School ENSMP in 1977 and the M.Sc. in Computer Science from Nice University in 1986. He is research engineer at CEA's solar group since 1997. , he is an expert in the measurement and the modelling and the prediction of the solar resource, the measurement and the modelling of the performance of photovoltaics, modules and systems, and the sizing of energy storage for photovoltaics in smart grids. In 1987, he had started-up artificial intelligence research at The National Institute of Research in Computer Science and Automation (INRIA) and recently participated in a collaboration with Météo France and French Laboratoire National d'Essais (LNE), he also participated to the accurate calibration of absolute cavity radiometers and of global pyranometers. Antoine Guerin de Montgareuil has been involved in many international and national research projects, including as an expert within the International Energy Agency. He is currently working in the domain of solar resource forecasting with the universities of the French overseas departments.

This is a free event open to the general public; there will be live streamed on JUMP2Excel facebook page. An electronic Certificate of Attendance will be given after the event. The event is organised in collaboration with the JUMP2Excel consortium and The Chamber of Engineers.

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