Science celebration days 2023: Raising attractiveness among University and high school students

Conference on "Photovoltaics: Fabrication process, Trends & Perspectives" in the framework of ECoVEM project

During October 2023, France held the 32nd edition of the *Fête de la Science (Science celebration days)*, a national event which aims at bringing citizens closer to Science. The 2023 theme focused on "Sport and Science". INES-PFE extended the event to raise attractiveness on Photovoltaics among students from University and High schools.

On the **9th of November 2023**, INES Formation (INES-PFE) invited **14 students and 1 professor** from the University Institute of Technology of Grenoble (France), pursuing 1st year specialization in Electronics ("BUT Génie Electrique et informatique industrielle GEII"), to discover Photovoltaics manufacturing and research activities through a **conference (1h) on "Photovoltaics: Fabrication process, Trends & Perspectives",** followed by **guided tours (2h30) through INES-CEA and INES-PFE facilities** (laboratories, technical research and educational training platforms). As an introduction of the conference, the **ECoVEM project** was presented in details.

Following this event, professors in charge of the technicial curriculum specialized in Energy form the University Institute of Technology of Grenoble (France) asked INES-PFE to integrate INES-ECoVEM courses in their curricula for 3rd year students in December 2023 (3 days – 18 students).

On the **14th of December 2023**, INES Formation (INES-PFE) received **19 students and 2 professors** from **"Schneider Electric High school".** An interactive **conference (2h) on "Photovoltaics: Fabrication process, Trends & Perspectives"** allowed to answer numerous questions of the students on the place and role of Photovoltaics in the World and French Energy mix of the near future. The conference was followed by a **guided tour (1h) through the educational training platform of INES-PFE**. As an introduction of the conference, the **ECoVEM project** was presented in details.

These events have been an opportunity to:

I. Present ECoVEM's project
II. Take ownership of the scientific and technological challenges related to solar photovoltaics and its synergies with microelectronics
III. Discover the latest scientific innovations in Photovoltaics
IV. Raise awareness of scientific culture
V. Discover both scientists' and trainers' work
VI. Comprehend the climatic and energetics challenges to be faced in the near future as well as the key role that will play renewable energies and Photovoltaics in order to achieve a sustainable green transition
VII. Stimulate interest and generate vocations in scientific careers in photovoltaics and microelectronics engineering.