



CLIMATE CHANGE AND ENERGY TRANSITION COURSE



Theme and objectives

- Introduce students to the challenge of climate change and greenhouse gas emissions.
- Knowledge of the scenarios and action plans recommended by international institutions to limit CO₂ emissions.
- Operation and challenges of renewable energies.
- Analysis of the energy mix and tools to compare energies from an economic, technical and environmental angle.
- Establish actions to reduce CO₂ emissions and develop appropriate renewable energies.
- First effects of Covid 19 on energy demand and the impact on CO₂ emissions.
- Have a global vision of life cycle analysis.
- Evaluate the challenges of the Paris agreements and their decline in each country.

Free course aimed at undergraduate students in their 3rd or 4th year, Master's students and/or PhD students. Enrollment priority will be: ETSIME Bachelor, Master and Doctorate students, ETSII-UPM Energy Master students and EELISA students. The course will be taught entirely in English by Benoît LUC Senior Advisor and former Vice President of Total Energies Europe.

Place and dates: The course will be taught in **Madrid, Spain** at the **ETSIME-UPM** (classroom M2-classroom30)

- Tuesday 14 and Wednesday 15 June: from 9 a.m. to 12 p.m. and from 1:30 p.m. to 4:30 p.m.
- Thursday, June 16: from 9 a.m. to 12 p.m.

REGISTRATION: Access this [LINK](#) or the QR
Priority: ETSIME students, ETSII-UPM master's degree in energy and EELISA students. automatic enrollment

- Other students must wait for confirmation of the place.

Organize: Natalia Fonseca (natalia.fonseca@upm.es)



Limited places





POLITÉCNICA

Escuela Técnica Superior de Ingenieros de Minas y Energía



Climate Change and Energy Transition Course

Professors CV ; Résumé

Benoît LUC



Civil engineer (ESTP Paris), Graduate in Economics (Paris Sorbonne), Master classes in MIT and IFPEN occupied several Senior Management positions within Total Group and Energy Joint Ventures.

He was Vice President Strategy/Development for Africa and Asia, Managing Director of Total Turkey, Vice President Marketing of Total Refining and Marketing and in 2001 Managing Director of Total Italia. In 2007 he was nominated Senior Vice President Research and Developments for Downstream Activities. In this position he was particularly involved in all issues concerning Energy demand and Research and Development of new products or processes contributing to reduce CO2 Emissions.

As Senior Vice President Europe and member of Total Management Committee from 2014 till 2020 he initiated the transition to new Energies managing acquisition and integration of Electric Vehicle Charge and Gaz Mobility companies in Europe.

As Vice President of TPA he is particularly involved in the development of new Classes and Master Class on Energy Transition.

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