DAY 4 – POLICY SCENARIOS
Date: 13th November

10:00 Baseline and Policy scenarios
Iñigo Capellan

The module discusses four scenarios in the LOCOMOTION project for WILIAM: baseline (continuation of past trends), Green Growth, Green Deal, and Postgrowth. These scenarios explore sustainability paths, focusing on environmental objectives like climate and energy, with varying socio-economic goals. Simulation results identify objectives incompatible due to biophysical limits, raising questions about the feasibility of green growth and policy effectiveness.

Iñigo Capellan is an industrial engineer from the University of Valladolid and ENSAM Arts et Métiers Paris-Tech. His research interest focuses on the analysis and modeling of the energy-economy-environment systems, the transition to renewable energies in the context of the depletion of fossil fuels and climate mitigation and the technical and social transformations towards sustainability.
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10:40 The WILIAM Toolkit
Iván Ramos

In this module, the Model Analyzer will be analyzed. It is a desktop app for configuring and running scenarios using the WILIAM model, targeting energy transition experts and policy makers. The Global Sustainability Crossroads II Game is a web-based educational tool designed for group decision-making on climate policies through gamification.

Iván Ramos is researcher at CARTIF, a Technology Centre focused on applied research and based in Boecillo Technology Park, Valladolid, Spain. Its main goals are to identify technology needs and develop R&D-based knowledge, to support technological innovation in Industry, mainly among SMEs and to disseminate R&D and innovation results.
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11:30 BREAK

11:45 Policy impact and scenarios - PROJECT WORK

In the final lab of the course, participants apply lecture knowledge by configuring and analyzing policy scenarios using WILIAM. The course aims to enable comprehensive assessment of ecological transition, evaluating diverse policies' economic, ecological, and social impacts. Trainees have the option to work individually or in groups.