

RESEARCH PROJECT 2022-2023

Department/Area

Mechanical Engineering

Title/Name

Sustainability analysis of night trains

Abstract/Description

Night trains across Europe are experiencing a revival, as they are seen as an efficient, comfortable, and sustainable mode of travel. Trains are in general more carbon-friendly than other modes of transport and therefore contribute to mitigate climate change. However, (inter-)national transport policies typically favor air and road travel, making trains less affordable and convenient. In this project, students will use indicators to highlight the strengths and opportunities for night trains as an international mode of transport from the point of sustainability (including environmental impact, energy needs and socioeconomic aspects).

This project will be done in cooperation with the European Back-on-Track coalition, a lobby that hopes to recover conventional and night trains to the continent.

Although no fieldwork is expected, students are encouraged to travel by train during their stay in Comillas and share their experiences.

Prerequisites

Required	
Recommended	Basic knowledge of concepts related to environmental management and sustainability

Supervisor(s)/Tutor(s)

Name(s)	Katia Hueso Kortekaas
Email(s)	khueso@icai.comillas.edu

Structure

Format	Semester (extensive, 15 weeks), Summer (intensive, preferably 8 weeks), Both are available
Workload	100 hours (4 ECTS)
Students	2

