



PhD Thesis Project Offer

(valid during the calendar year 2025)

Provisional Title of the Doctoral Thesis

Smart detection of greenwashing practices
Subject area* / Research line
Information and Computing Technology / Artificial Intelligence
Summary of the Doctoral Thesis (maximum 300 words)
Greenwashing techniques allow the detection of fraudulent practices regarding sustainable
energy use, CO2 emissions, or other types of sustainable resources. Therefore, the European
Commission considers greenwashing in a directive as a priority line of research to prevent organizations that claim to be sustainable from actually not being so. One of the areas of
application is the field of avionics, where tons of CO2 emitted during flights are announced
when purchasing tickets. However, many of these flights do not meet the CO2 that they
declare, which is why it is necessary to detect these cases of greenwashing. In this sense, this
thesis aims to use intelligent algorithms (e.g., ML) to detect and predict greenwashing in
commercial flights.
Is the development of this thesis associated with the execution of any research project? If so, provide details of the project (title, funding entity, and execution period)
No
Academic Profile of the Student (maximum 200 words)
Computer science
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Institutional Website of the Supervisor





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*See the Subject Areas at https://www.urjc.es/informacion-practica#oferta-proyectos-de-tesis. Each project will be included in a single subject area.