

Social Research Call

Title:

ACHIEVING A FAIR AND INCLUSIVE TRANSITION TO GREEN MOBILITY THROUGH EQUITY POLICY MEASURES



Acronym: GREEN4ALL

Project leader: José Manuel Vassallo

Host organización: Universidad Politécnica de Madrid (UPM)

Main purpose of the project: The main purpose of GREEN4ALL is to evaluate the equity impact of three mobility decarbonization policies (Low Emission Zones, liberalization of transport services, and shared DRT in rural areas) to identify actions that may contribute to a fairer low-carbon transition while ensuring GHG reduction targets.

Design/methodology/approach: GREEN4ALL will go beyond the current state of the art by using innovative equity indicators and novel composite metrics that will account for affordability, accessibility, and distributional effects. Highly advanced econometric techniques and machine learning models will be used to explore the empirical impacts of these policies.

Potential results: GREEN4ALL will develop novel methodologies and advanced equity metrics to come up with a deeper understanding of how three decarbonization policies affect mobility behaviours and their impact on equity. Moreover, the project will contribute to the design of policy and regulatory measures that effectively integrate climate action with social equity considerations.

Social relevance of the research: GREEN4ALL will contribute to a sustainable and just mobility transition, paving the way towards a more resilient, equitable, and inclusive society. Vulnerable groups will particularly benefit from the results of this project by fostering a more inclusive green transition that, while increasing accessibility, will also create new job opportunities in remote areas.

Originality/value of the project: The project is original because: (i) research works in transport equity have so far barely incorporated changes in people's mobility behaviour; (ii) massive data sources and data-driven methods have rarely been used for this purpose; and (iii) previous studies have used straightforward indicators that should be replaced by more complex metrics and tools to capturing the multidimensional nature of equity impacts.