UNIVERSIDAD POLITÉCNICA DE MADRID

Expression of Interest – UPM Supervisor

Marie Skłodowska Curie Action –Postdoctoral Fellowship 2023 (MSCA-PF-2023)

Contact Person/Scientist in charge	**Name**	José Manuel
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Department /Institute /Centre	**Name**	Transport Research Centre (TRANSyT)
	Address	ETSI de Caminos, Canales y Puertos. Calle Profesor Aranguren 3.
	Province	MADRID
Research Area		**Social Sciences and Humanities (SOC)** Life Sciences (LIF) **Economic Sciences (ECO)** Mathematics (MAT) **Information Science and Engineering (ENG)** Physics (PHY) **Environment and Geoscience (ENV)** Chemistry (CHE)
Brief description of the Centre/Research Group		The Transport Research Centre (TRANSyT) from UPM is the most influential research institution in Spain in the field of transport economics and planning. It has more than forty members including scholars, postdoctoral researchers, Ph.D. students and administrative staff. It has an active participation in research projects funded by the EU and national programs, an also by private and public institutions. TRANSyT does research in different mobility related fields such as: transport modelling, transport economics, transport planning, sustainability assessment of mobility policies; environmental, impacts of the transport, local and regional sustainable transport strategies, urban transport and mobility management, information technology solutions, big data for transport, freight modelling and logistics, etc.
Project description		The GreenShare project "Modelling the impact of electric shared mobility forms on climate change and air pollution: promoting digital and regulatory measures to green urban areas" aims at characterising the impact of electric shared mobility services on urban mobility, with special attention to assessing their performance in energy efficiency, climate change and air pollution from a life cycle perspective. The GreenShare project will (i) explore to what extent electric shared mobility services are impacting mobility demand, mode substitution, mode complementary, vehicle ownership and utilisation in terms of a set of explanatory variables (socioeconomic attributes, supply of transport alternatives, characteristics of the built environment, weather conditions, psychological constructs, etc.); (ii) design a systematic methodological approach, materialised in a calculator software based on Life Cycle Assessment (LCA) to calculate the impacts of electric shared mobility services (such as car, moped, kick scooter or bike sharing) on the environment; and (iii) identify potential solutions to make electric shared mobility services a useful part of the urban transport mix while helping to reduce air pollution and mitigate climate change.

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Applications: documents to be submitted and deadlines	Letter of motivation. Letters of reference. Curriculum Vitae. Deadlone: 30/04/2023