



Marie Skłodowska Curie Action –Postdoctoral Fellowship 2022 (MSCA-PF-2022)

Contact Person/Scientist in charge <i>(datos del IP del grupo de investigación o responsable científico)</i>	Name Sergio
	Surname Alvarez
	Email Sergio.alvarez@upm.es
Department /Institute /Centre <i>(datos del centro/departamento donde estaría ubicado el investigador a contratar)</i>	Name Department of Land Morphology and Engineering. School of Civil Engineering. Universidad Politécnica de Madrid
	Address Profesor Aranguren 6. Ciudad Universitaria.
	Province Madrid (SPAIN)
Research Area <i>(en base a las 8 áreas científicas establecidas en MSCA. Se podrán seleccionar entre una y tres áreas científicas por EOI)</i>	Information Science and Engineering (ENG) Environment and Geoscience (ENV)
Brief description of the Centre/Research Group <i>(Max. 1600 caracteres con espacio: información sobre el centro / grupo de investigación / personal científico, destacando los aspectos más relevantes de los mismos. Incluir URL si es posible.)</i>	UPM Carbon Footprint Team is a research team focused on greenhouse gases emissions. Our team carries out research studies applying Life Cycle Assessment for Product- Territorial- and Organizational Carbon Footprint Analysis. Our studies stand out for the hybridisation of traditional methodologies such as conventional bottom-up techniques (Process Analysis) and unconventional techniques such as Input-Output Analysis and Satellite Image. This research team has more than 10 years' experiences in the quantification of carbon footprint emissions and the development of reduction actions for final compensation. To do this, depending on the object of study, the most recent approval standards will be followed. The host of this proposal will be the Assistant Professor Sergio Alvarez. http://www.huelladecarbonomontes.es/
Project description <i>(Max. 1800 caracteres con espacio: breve descripción sobre el proyecto /línea de investigación en el que se acogería al investigador/a Marie S.Curie.)</i>	The new researcher will be welcome to add its experience in new and ongoing projects related to Life Cycle Assessment through the use of OpenLCA and/or Simapro software with databases from the European Commission (ELCD Database) or Ecoinvent 3.8. The ISO 14040 and 14044 standards and the Specific Product Category Rules will be followed. Depending on the goal and scope, the system boundaries and methodology for impact-characterization impacts will be defined. As an innovation, factors derived from multi-regional input-output analysis and remote sensing assessment may be used for a better characterization of the value chain and territorial emissions.
Applications: documents to be submitted and deadlines <i>(Indicar qué documentación deberá remitir el /la investigador/a interesado/a al centro para establecer el contacto: CV, letter of motivation, letter of references, etc., así como la fecha límite para el envío de la misma. Recomendado: Hasta finales de abril 2022)</i>	All candidates must submit CV and motivation letter by the 30th of April 2022.