



MARIE SKŁODOWSKA-CURIE POSTDOCTORAL FELLOWSHIPS 2021
EXPRESSION OF INTEREST FOR HOSTING MARIE CURIE FELLOWS

HOST INSTITUTION

NOVA University Lisbon | School of Sciences and Technology.

RESEARCH GROUP AND URL

CENSE
<https://www.cense.fct.unl.pt>

SUPERVISOR (NAME AND E-MAIL)

Paula Antunes
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SHORT CV OF THE SUPERVISOR

Full Professor at NOVA School of Science and Technology, NOVA University Lisbon. She was Head of the Department of Environmental Sciences and Engineering of FCT NOVA (2006-09) and director of CENSE – Centre for Environmental and Sustainability Research (2007-13). Paula has a PhD in environmental engineering and considerable experience in developing interdisciplinary research and coordinating multi-disciplinary teams. She teaches environmental management, sustainability science and ecological economics topics at MSc and PhD level at NOVA. Her research focuses in mapping and assessment of ecosystem services, circular economy models, sustainability assessment, participatory decision-support tools and environmental policies.

5 SELECTED PUBLICATIONS

- Lopes, R., Santos, R., Videira, N., and Antunes, P. (2021). **Co-creating a Vision and Roadmap for Circular Economy in the Food and Beverages Packaging Sector**. Circular Economy and Sustainability. [doi: 10.1007/s43615-021-00042-z](https://doi.org/10.1007/s43615-021-00042-z)
- Clemente, P., Calvache, M., Antunes, P., Santos, R., Cerdeira, J., Martins, M.J. (2019). **Combining social media photographs and species distribution models to map cultural ecosystem services: the case of a Natural Park in Portugal**. Ecological Indicators, 96(1): 59-68. [doi: 10.1016/j.ecolind.2018.08.043](https://doi.org/10.1016/j.ecolind.2018.08.043)
- Coelho, R.S., Coelho, P.S., Antunes, P., Ramos, T.B. (2019). Stakeholders Perspectives on the Use of Indicators in Water Resources Planning and Related Strategic Environmental Assessment. Journal of Environmental Assessment Policy and Management, 21(1): 1950001. doi: 10.1142/S1464333219500017
- de Jesus, A., Antunes, P., Santos, R., Mendonça, S. (2019). Eco-innovation pathways to a circular economy: Envisioning priorities through a Delphi approach. Journal of Cleaner Production, 228: 1494-1513. doi: 10.1016/j.jclepro.2019.04.049
- Rocha, C.S., Antunes, P., Partidário, P. (2019). **Design for sustainability models: a multiperspective review**. Journal of Cleaner Production, 234: 1428-1445. [doi: 10.1016/j.jclepro.2019.06.108](https://doi.org/10.1016/j.jclepro.2019.06.108)
- P Antunes, G Kallis, N Videira, R Santos (2009). [Participation and evaluation for sustainable river basin governance](https://doi.org/10.1016/j.ecolecon.2008.12.004). Ecological Economics 68 (4), 931-939. <https://doi.org/10.1016/j.ecolecon.2008.12.004>

PROJECT TITLE AND SHORT DESCRIPTION

The scale and urgency of sustainability challenges require systemic transformations that support socio-economic well-being while respecting our Planet. Business-as-usual, top-down solutions are inadequate to address the interdependent, complex nature of socio-ecological systems (SES) dynamics. In this vein, the 'Horizon Europe Climate Mission' calls for science to support communities in developing deep learning about current socio-ecological changes, while building their capacities to shape innovative future visions.

Transdisciplinary researchers' communities across Europe are excellent test beds for future development pathways: while facing academic marginalization, journal rejections and increased career vulnerability, they can also be hotspots of innovative, resilient solutions to global challenges connected to actual local problems and tip-top trends in research, while being contagious change agents for obsolete silos-driven university structures. Collective processes of envisioning the future can catalyze transformations and support vibrant transdisciplinary communities along with all the actors involved in urban transitions.

TrUST (Transdisciplinarity for Urban Sustainability Transition) can enable these processes by fostering:

(a) a place-based approach that amplifies local seeds of social innovation (SI), with the support of bridging organizations and academics already engaged in active researches on urban sustainability transitions, or at the boundaries between rural and urban lifestyles;

(b) a transdisciplinary and co-creative approach to knowledge production, with and for multi-sectoral stakeholders at various governance levels.

TrUST combines these two approaches, furthering the boundaries of knowledge at the science-society interface, and acting as a hub for knowledge sharing, methods and tools for those already involved in transdisciplinary researches or willing to. In parallel, it supports the achievement of multiple Sustainable Development Goals (SDGs) (i.e. 4,5,11,13,17), and addresses key priorities identified by EU policies with regards to SESs and University's Third mission (i.e. EU Social Cohesion Policy, European Social Fund Plus (ESF+), EU Green Deal, EU Research & Innovation Policy).

SCIENTIFIC AREA WHERE THE PROJECT FITS BEST*

Social Sciences and Humanities (SOC)