

LIFE Index-Air: New C²TN project supported by the EU LIFE program will develop a decision support tool to protect the population against the exposure to airborne particles

The LIFE Index-Air Project, led by C²TN, has been recently approved within the Environment and Resource Efficiency priority area of the LIFE program. LIFE is the EU's financial instrument supporting environmental, nature conservation and climate action projects throughout the EU.

The main objective of this project is to incorporate a database of outdoor and indoor air quality and a package of models to develop an innovative and versatile policy tool that will establish a relation between population exposure to mixtures of PM compounds and emission sources. The implementation of the tool in EU cities will demonstrate its suitability to calculate population exposure and dose to PM chemical compounds, to quantify the health impacts of chemical exposures associated with particles, to evaluate the impact of sources on exposure and finally to evaluate exposure reductions apportioned to changes in every accounted source. This will be a cost effectiveness management tool for local, regional and national policy makers that will be used to quantitatively evaluate the impacts of policies on specific human exposure levels as well as plan new ones.

The responsibility of the project is from Marta Almeida, researcher from C²TN, which will coordinate a team of from five institutions: from Portugal, Instituto Superior Técnico and Universidade de Aveiro; from Finland, National Institute for Health and Welfare; from Greece, National Centre for Scientific Research "Demokritos" and Technical University of Crete.

With a total budget of 1,369,000 Euros and an EU funding of 792,000 Euros, the LIFE Index-Air project will begin on 1st October, 2016 and will last for 42 months.

Development of an Integrated Exposure – Dose Management Tool for Reduction of Particulate Matter in Air (LIFE Index-Air), IST (LIFE15 ENV/PT/000674), 2016-2020. Project Coordinator: Marta Almeida - IST. C2TN responsible: Marta Almeida; Research Team (C2TN): Marina Almeida-Silva, Nuno Canha, Catarina Galinha, Tiago Faria; Total budget 1,369,071€; C2TN Budget: 487,159€; EU Contribution to C2TN: 282,321€.