

TECHNOLOGICAL OFFER SHEET

Name:

ESCAPE[®]: Environmental Sampling Campaigns for Aerosols and Precursor GasEs

Type:

Registration of the intellectual property (of a software)

Date of priority: 29/07/2020-12:10 h.

Application number: C-225-2020

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Right holders: Universidade da Coruña (75%) and CIEMAT (Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas) (25%)

Short summary:

Software to manage sampling campaigns on atmospheric aerosol in a comprehensive way: call and agreements on the campaigns, data upload and intra- and inter-campaign data analysis, including those regarding not only with particles but also with precursor gases (i.e., processes of formation of new particles), and related calculations (e.g., radiative forcing of aerosols).

More details in:

Software development process followed and basic functionalities:

Web Application for Atmospheric Aerosol Data Management: Software and Case Study in the Spanish Network on Environmental Differential Mobility Analysers. DOI: 10.3390/atmos10050279.

First advanced functionalities of the software:

Study of Temporal Variations of Equivalent Black Carbon in a Coastal City in Northwest Spain Using an Atmospheric Aerosol Data Management Software. DOI: 10.3390/app11020516.