



Dr Cathy Leal-Liousse

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Dr Cathy Léal-Liousse is a research Director at Laboratoire d'Aerologie in Toulouse. Highlights of her works in the past twenty-five years are the permanent exchanges between emissions, modeling, ground experiments and satellite data dedicated to the study of the impacts of combustion aerosol on climate and health. In this context, she has developed global and regional fossil fuel and biomass burning emission inventories for black carbon and organic carbon particles for the past, present and future. She is leading the EDI (Emissions, Deposition, Impacts) group at CNRS-LA and the Environment-Health-Society axis at the OMP. Cathy Léal-Liousse is a member of the scientific committee of the GEIA /IGBP international program on emissions. She is responsible, with Claire Granier, for the GEIA/ECCAD international emission database. She has coordinated several research programmes in Africa, including the INDAAF observation network, the POLCA (Pollution of African Capitals) programme and, most recently, the air pollution and health studies in Abidjan and Cotonou of the DACCIWA European programme, which are continuing today under the PASMU programme in Abidjan. Through her work, she has enabled the transfer of technology and the training of African researchers on these topics (theses, post-docs). Through her work, she has also promoted international focus on Africa (e.g. GEIA-Africa, IGAC-ANGA).