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However, if the 25 European lidar stations allow to offer data on a continental scale, they are also essential to validate CALIPSO's global data. The mission will take place all through three years, and will provide essential information on aerosol's properties. Together with other satellites of the "A-Train" constellation, CALIPSO will help to increase our knowledge about climatic system and the possible climatic change.



While CALIPSO is being validated, the observations of EARLINET all over Europe are collecting and processing essential data to get to know and assess the climatic impact of the masses of air with mineral dust arriving from Sahara to Europe, of European forest fires, the differences between the pollution produced in highly industrialized regions of Eastern Europe, the anthropogenic pollution in underdeveloped areas, the anthropogenic pollution which reaches Europe from North America, etc.

12 countries, 25 scientific groups

Thousands of yearly observaciones have turned EARLINET into an essential information source for the future of meteorological science, the assessment of climitic change and a better knowledge of our environment. The stations of the EARLINET consortium can be found from the Mediterranean to the Arctic Polar Circle, from the marine environments of mild climates to Arctic weather, from continental climate to semiarid regions, clean airs of sparsely populated areas to regions highly polluted due to urban concentrations and industry. References: Prof Lucas Alados Arboledas. Phone numbers. 958241000-31169; 958244024. E-mail. alados@ugr.es

Attached-illustration. Location of the 25 stations of the EARLINET consortium.

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Publications related to the article:

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