

## **T3.2-P04. A system for the simultaneous and continuous measurement of airborne gamma**

A system for the simultaneous and continuous gamma spectrometry measurement of particulate airborne radioactivity that combines a high purity Germanium detector with scintillation detectors is presented. Performance of this system is being evaluated in the framework of a project funded by the EURAMET programme. The main goal of this activity is the improvement of the capabilities of the current airborne spectrometry system, based on a HP germanium detector, at the same time that this detector is compared with new scintillation spectrometers, such as Lanthanum Bromide and Cerium Bromide. The system is being developed in the ES-MERALDA reference site at CIEMAT where other automatic stations for early warning and environmental radiation monitoring are operating.

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