ID: Type: **Poster**

3.2-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 ESMERALDA reference site at CIEMAT where other automatic stations for early warning and environmental radiation monitoring are operating.

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Track Classification: 3. Advances in sensors, networks and processing