

PRESS RELEASE

Athens, 20th March 2017

Raymetrics to be the first company certified by LiCAL/ACTRIS

Raymetrics is to become the first atmospheric LIDAR manufacturer able to offer certifications for its products, and for their systematic uncertainties, from LiCAL/ACTRIS, according to document doi:10.5194/amt-9-4181-2016.

Testing is to be carried out at LiCAL (Lidar Calibration Centre) - the only atmospheric LIDAR calibration facility in the world - overseen by Dr. Volker Freudenthaler, the Quality Assurance Manager. LiCAL is a multi-installation facility located in Romania (INOE), Germany (LMU), and Italy (CNR-IMAA) and was created in the framework of ACTRIS-2.

ACTRIS (and its follow-up ACTRIS-2) forms a European Research Infrastructure for the observation of Aerosol, Clouds, and Trace gases. The network is composed of observing stations, exploratory platforms, instrument calibration centres, and a data centre. ACTRIS serves a vast community working on models and forecast systems by offering a range of high quality atmospheric data.

Certification comes after a long history of Raymetrics working closely with the scientific community, including a very close collaboration with the European Aerosol Research Lidar Network (EARLINET).

EARLINET was established in 2000 as a research project with the goal of creating a quantitative, comprehensive, and statistically significant database for the horizontal, vertical, and temporal distribution of aerosols on a continental scale. EARLINET measurements must meet stringent stability and absolute accuracy standards to achieve the desired confidence in aerosol radiative forcing needs; thus, the network developed a rigorous quality assurance program addressing both instrument performance and evaluation of the algorithms. These operational pillars have been developed over time to ensure instrument standardization and



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consistent LIDAR retrievals within the network in a standardized data exchange format.

Raymetrics' products are the only commercial LIDARs operating within EARLINET. This is because Raymetrics builds its products based on the specification requirements of EARLINET. Additionally Raymetrics is the only company to date which follows all of EARLINET's quality assurance tests and established protocols.

This long adherence to the quality of the data produced has led to Raymetrics' upcoming certification. We are extremely proud to be the first atmospheric LIDAR company in the world able to offer verifiable, independent assurance of the quality of our products measured against a standard.

