Pilot provision of EARLINET/ACTRIS lidar profiles to CAMS

The project is a pilot for the implementation of provision in NRT of profiles processed in a centralized, traceable way and with data quality control (Level2 -6months delay)

Objectives

- development of the **e-system** for the data provision to CAMS;
- Identification of the most suitable **measurement schedule** for the provision
- put in place a **first provision** for a set of selected stations
- **improve CAMS products** about the aerosol load over Europe for air quality issues, atmospheric composition, climate forcing and solar and UV products.

PARTNERS

CNR; CNRS; DWD; INOE; NOA; TROPOS;
University of Granada; University of Warsaw; FMI.

Contract: CAMS21b
Framework agreement: ECMWF/COPERNICUS/2019/CAMS21b/CNR
Acronym: ACTRIS-AproCAMS
Duration: 23 months
Start Date: 2019-12-01
Budget: € 400.000

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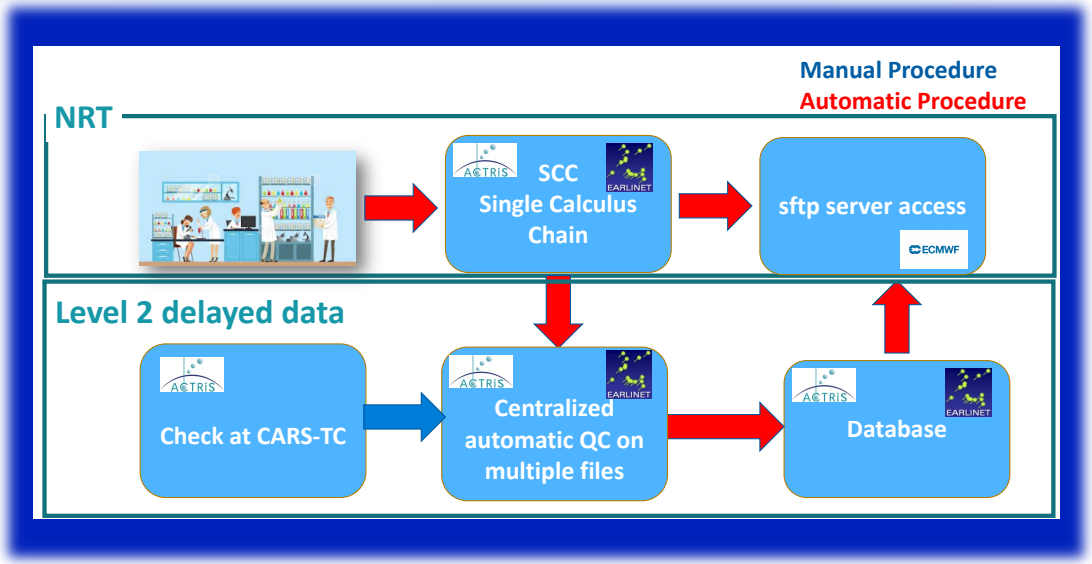
Number of NRT aerosol optical properties files provided per site.



- Provision started for Potenza in October 2020 and for all sites from January 2021
- High performances in the provisioning system are even higher than the target
- Demo of **improvement of CAMS forecast** with lidar data assimilation for long-range transported fire

https://www.actris.eu/how-are-we-funded/actris-cams

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