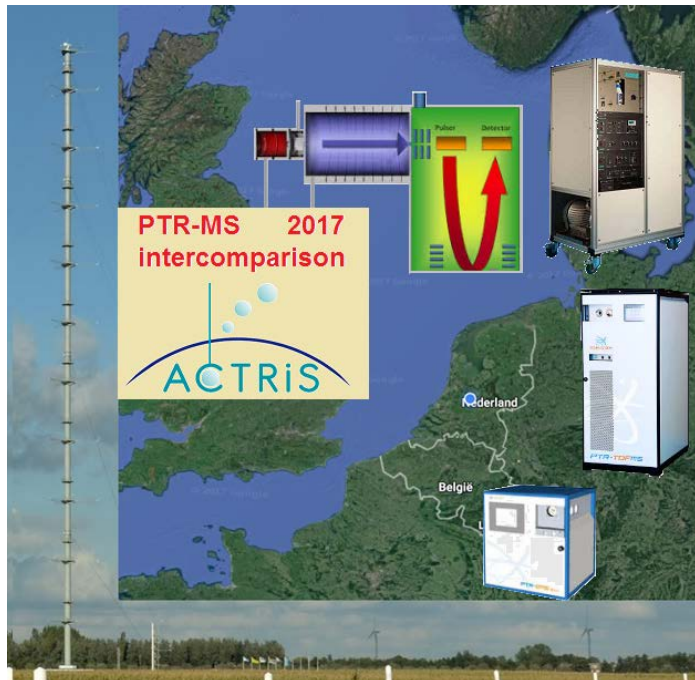


# PTR-MS intercomparison

Preliminary date: September 18-29, 2017

Cabauw, The Netherlands



## Scope:

We aim at operating as many PTR-MS instruments of all different types and makes during a two week period in September 2017 at the CESAR observatory ([www.cesar-observatory.nl/](http://www.cesar-observatory.nl/)) in the Netherlands. All participating groups are asked to apply their own calibration and background subtraction methods. In parallel, we will apply the preliminary ACTRIS-II calibration and quality assurance/control (QA/QC) methods to all participating instruments.

## Research questions:

1. Evaluate ease and accuracy of the different calibration methods.
2. Does the ACTRIS-II protocol improve the inter-comparability of the data?
3. Can the accuracy enhanced by applying ACTRIS-II QA/QC methods?

## Goal:

The outcome of the campaign will allow to finalize the ACTRIS-II protocol for PTR-MS operation, calibration, QA/QC. The protocol will be published in a peer-reviewed journal and all participating groups will be offered co-authorship.

**Both, ACTRIS partners and non-ACTRIS members are invited to participate! Costs for travel and field work can be funded through the transnational access program (TNA).**