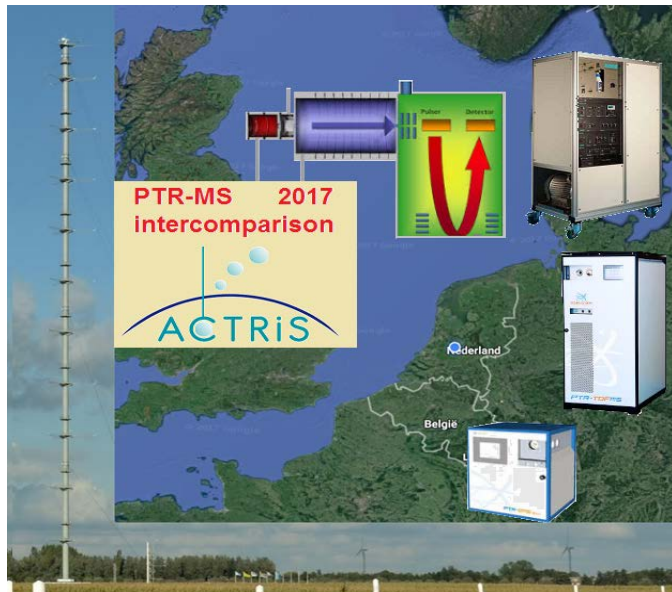


PTR-MS intercomparison

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/) 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). Please note that the TNA call open to all except WP3 groups involved in PTR-MS activities as this is work to be done within NA.