

## Notes of the COCCON telecon March 4<sup>th</sup> 2025

Here are some notes of the discussions and ideas of the telecon.

Please note that these notes are not a complete record. Rather it tries to sum up the most important points of the discussion. Furthermore, no liability is taken in case of any misunderstandings.

If you think any important point is missing, please feel free to email to [matthias.frey@kit.edu](mailto:matthias.frey@kit.edu).

**Number of participants: 25**

### 1) Introduction by Matthias Frey (KIT)

- Benedikt Herkommer, host of the COCCON telecon until now, left KIT. Responsibility is taken over by Matthias Frey.
- We will aim for more frequent telecons again. Requests for agenda items or offer to give a talk in the telecon can be forwarded to Matthias Frey.

### 2) Presentation of the updates in PROFFST2.4 and PROFFASTpylot1.3 and an introduction to the integrated greenhouse gas monitoring system for Germany (ITMS) by Lena Feld (KIT)

- Current PROFFAST and proffastpylot developments. For more details see slides.
  - Output formats
  - Observations near dateline
  - Moving observer
  - Diagnosis for sun centering
- ITMS has many components. Talk focuses on the ITMS-B FTIR activities. For more details, see slides.
- Questions after the presentation:
  - Q: Is there an ITMS-B FTIR site in eastern Germany.
    - There are plans for a network around Berlin. However, this is not part of ITMS
  - Q: What are the solar diagnostics and where are they stored.
    - Relative displacement of solar abscissa.
- Comments after the presentation:
  - C: MUCCNET visited Vienna and deployed their network for several months in the framework of the GHG-KIT project (<https://ghg-kit.at/>). Additional support from the FTIR community would be welcomed by GHG-KIT, as they do not have column observations in their network.
  - C: In the framework, another effective “travel standard” comparison was realized between two TCCON sites (Karlsruhe and Bremen). A dedicated analysis of the bias between the TCCON stations is pending.