

## **Collaboration protocol TM5 model**

### **Rationale:**

The two-way nested TM5 global chemistry transport model has in the last decennia been developed by a consortium of persons and organizations; namely IMAU, KNMI, JRC, and more recently also at NOAA. Whereas there is no formal property right on TM5, and it is in general recognized that an increased user group will be beneficial for the scientific development and credibility of TM5, there may also arise potential problems and conflicts of interest. These may refer to insufficient communication, insufficient acknowledgement of intellectual efforts, duplication of efforts, the use of the same model in competing projects, insufficient feed-back of users on potential problems, publishing scientific results without clarifying what the difference with previous model versions used in previous calculations was, thereby confusing the outside world as to which result to use/or to believe.

### **Rules of conduct**

The user of TM5 agrees to:

- To promptly report on bugs or problems in TM5 via e-mail or web-forum.
- To acknowledge the principal authors of TM5 (e.g. Krol and Segers for the overall models, and several others for sub-modules) in scientific papers or reports. In case that the contribution of a TM5 contributor was essential for the publication co-authorship should be offered.
- To include in a scientific publication a brief discussion of previous results on a certain topic and to explain the differences.
- To participate in the bi-annual TM meetings; or have at least one representative of the group to represent him/her.
- To inform at the TM meeting (or before) the TM5 user group of projects in preparation, submitted and in progress, in order to avoid internal competition.
- To introduce new users into this protocol,
- To closely follow and give scientific and technical support to collaborations with external groups that involve the remote use of TM5, in order to avoid damaging inappropriate use of the model.