Training And Education *Emergent Technologies*

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) art of Training and Education's mandate is to promote communication mechanisms amongst Young Atmospheric Scientists. To achieve this, T&E seek to leverage new, and emergent technologies, such as VoIP and LMS tools, to facilitate worldwide communication and learning. Through a series of workshops, we have demonstrated several tools that we believe offer tremendous potential, both now and in the future. These tools are available online to anyone with an Internet connection.

VoIP, or Voice Over Internet Protocol, is a real time conferencing tool that allows you to talk to other people, no matter where in the world they are, for free. It uses a highly compressed data stream to send your voice over an ordinary internet connection. This means that you can talk to other people, using the same software, for as long as you like without running up huge phone bills! In addition, with file sharing and video conferencing for those with good internet connections, VoIP systems offer a huge advantage



to those people who want to keep in touch or are collaborating on projects while living far apart.

The Training and Education task has set up an installation of Moodle, an open source Learning Management System. In addition to being the main portal for resources developed or supported by the T&E task such as RAP-TOR, the Global Change Magazine, and the e-learning module on Remote Sensing of NO2 by ACCENT TROPOSAT-2, the T&E Moodle installation allows students and teachers to look at and test features and possibilities of e-learning. During a workshop for early career students the participants were introduced to the main features of Moodle (user management, courses, quizzes, resources). Whilst the idea behind such a system was known to some of the participants the hands on experience with Moodle further advanced the knowledge of all participants and especially how they could make use of it themselves, as future lecturers.