

## **Training school on stratosphere-troposphere interactions on the occasion of ICMA-IAMAS-IAPSO 2017 in Cape Town, South Africa**

Although the topic of stratosphere-troposphere interactions is known in southern Africa, local university programmes focus largely on tropospheric dynamics. The proposed training school aims to fill this 'gap', providing an excellent opportunity for the next generation of early career researchers from the region to develop their skills and knowledge, by leveraging the fact that many world-leading scientists from across the IUGG will be in Cape Town in 2017.

A geoscience and outreach event in the form of a training school on stratospheretroosphere interactions is proposed, on the occasion of the IAMAS-IAPSO-IAAGA 2017 in Cape Town, South Africa. The target audience is primarily PhD students from southern Africa and other developing countries from the Southern Hemisphere. The topic of the training school is highly relevant to the southern African region and one that is not specifically taught in university graduate courses. It also cuts across disciplines, from atmospheric dynamics to chemistry-climate and ocean-atmosphere interactions. We will leverage the fact that many world-leading scientists will be in Cape Town for the IAMAS-IAPSO-IAAGA conference, with the training school lecturers drawn from the conference scientists. The total number of participants will be limited to approximately 20, in order to allow for interaction and discussion among lecturers and students. The event will be held over 4 days, including lectures, exercises with data (reanalysis / models), and presentation of mini-projects. The mini-project reports will be published online in blog format and will be widely publicised through various channels (e.g. association and project websites, early career networks, etc.). The requested funding is for the students (accommodation and daily subsistence). It is expected that the lecturers will cover their own expenses. The University of Cape Town has kindly offered venue and computing facilities.