



Editorial 2006

Joan Cuxart

Dear reader,

Find here the number three of the Tethys journal, corresponding to year 2006. The renewed Editorial Board has introduced a number of changes that we hope will turn Tethys into an attractive product, concerning the contents as well as the new formal aspects.

The journal adheres to the standard procedure of the modern scientific publications. The preferent domain of interest is the Meteorology of the Western Mediterranean basin, but it is open to any contribution aiming to enlarge the general knowledge on Meteorology and Climatology. Articles can be submitted online (to assistent.editor@tethys.cat) anytime. They are peer-reviewed by expert scientists on the subject of the paper, that provide binding reports on the suitability of the paper to be published. The authors have to answer to the requests of the reviewers. The Editorial Board has the final word on accepting the contribution after the completion of the review process.

A Tethys style has been defined, which you can find in all the contributions of this number. If the submitted works are fit to this style, the edition tasks will be faster, but this is not compulsory. The initial submission must be a document that can not be modified (a pdf file for instance) written with double spacing. Once the paper is accepted, it enters the editing phase, where the demands of the production team must be addressed. Every year a new number will be produced and the papers will be published as soon as the review and edition phases are totally completed.

As a Journal of the Catalan Association of Meteorology (ACAM), the working language of Tethys is Catalan. However, Tethys accepts contributions also in Spanish and English and assumes the responsibility of producing translated versions so that the journal can be read in any of the three languages. In any case, every submitted paper will have to provide a translation of the title and the abstract to English, to fulfil the requests of the Science Citation Index. Tethys adopts the Creative Commons Licensing system, that leaves the copyright in the hands of the authors.

We hope that you find Tethys a suitable place to publish your research, coming from Universities or Research centres, but also from institutions working on operational meteorology, climatology, air quality or any subject dealing with Climate Change.

Number 3 contains four contributions issued from the 2005 ACAM seminar on Ozone: one on mesoscale modelling couple with a photochemical model (Ortega *et al.*); a paper on the processes regulating the concentration of stratospheric ozone, that includes a short description of the processes at mid-latitudes (Gil), the operational survey of the tropospheric ozone in Catalonia (Pagès) and a description of the measuring systems of ozone and their calibration (Bellido).

On the other hand, it contains a contribution on marine meteorology (wave height and navigation on the western Mediterranean Sea, Martínez de Osés and Castells) and a study on the possible trends of the sea surface temperatures on the same area using different climate models (Garcies and Cuxart). Some considerations on the diagnosis and forecast using climatologically selected parameters for severe storms are given by Tous and Romero, and Homar and Stensrud discuss about the cooperation between human forecasters and model numerical outputs in the phase of generation of members in the ensemble forecasting; Palau *et al.* inform on the numerical forecast of pollution episodes on the Valencian Country and how sensitive they are to the numerical resolution on complex terrain. Finally, Jimenez *et al.* illustrate about the terrain-generated low-level circulations on the Majorca island when high pressure system prevail, and show the details of well defined katabatic flows.

I wish that you find the content of this number 3 of Tethys interesting and that you consider submitting some of your further research work to our journal.

Joan Cuxart, Director.

