

Summer Colloquium on the Physics of Weather and Climate: "LAND-ATMOSPHERE INTERACTIONS AND THE HYDROLOGICAL CYCLE" 28 May – 15 June 2001 Miramare, Trieste, Italy

Co-sponsored by the PROMISE project of the European Union

The Abdus Salam International Centre for Theoretical Physics (ICTP) is sponsoring a summer Colloquium on "Land-Atmosphere Interactions and the Hydrological Cycle", to be held from 28 May to 15 June 2001, in Trieste, Italy. The co-organizers of the Colloquium are F. Molteni and F. Giorgi (ICTP, Italy), J. Slingo (UGAMP-Univ. Reading, U.K.), and J. Shukla (COLA/IGES, U.S.A.). The Colloquium will consist of two segments:

Workshop on "Land-Atmosphere Interactions in Climate Models" 28 May to 8 June 2001

This Workshop will be divided into two parts: the first week will be devoted to modeling issues; the second week to results of experiments focused on different regions of the world, and some examples of impact studies. The Workshop will also include practical sessions and the students will be encouraged to design and complete small projects. Among the lecturers are R. Cechet (CSIRO, Australia), A. Challinor (University of Reading, U.K.), F. Giorgi (ICTP, Trieste), K. Laval (LMD, France), C. Nobre (CPTEC, Brazil), J. Slingo (University of Reading, U.K.), C. Taylor (CEH, U.K.), and P. Viterbo (ECMWF, U.K.).

Conference on "Climate Variability and Land-Surface Processes: Physical Interactions and Regional Impacts" 11 to 15 June 2001

The conference will address the following main issues: € Predictability of interannual and interdecadal variability of the atmospheric hydrological cycle € Sensitivity of GCM simulations/re analysis to land-surface properties and parametrizations € Land-atmosphere interactions at the regional scale € Use of climate simulations in studies of land-use changes and hydrological / agricultural impacts € Research on land-atmosphere interactions and their impacts in developing countries Among the invited speakers for the Conference are P. Cox (Hadley Centre, U.K.), H. Douville (CNRM/GMGEC, France), M. Latif (MPI, Germany), K. Laval (LMD, France), L. Mearns (NCAR, U.S.A.), S. Nicholson (Florida State Univ., U.S.A.), C. Nobre (CPTEC, Brazil), R. Pielke (Colorado State Univ., U.S.A.), A. Pitman (Macquarie Univ., Australia), K. Rupa Kumar (IITM, India), J. Shukla (COLA/IGES, U.S.A.), J. Slingo (Univ. of Reading, U.K.), C. Taylor (CEH, U.K.), P. Viterbo (ECMWF, U.K.), and G. Wu (LASG/IAP, P.R. of China). The Colloquium is intended primarily for scientists and graduate students working in the areas of Atmospheric Physics Chemistry, Climatology, Physics and Mathematics. It is open to scientists from all member countries of the United Nations, UNESCO and IAEA. Although the main purpose of the Abdus Salam ICTP is to help researchers from developing countries through a programme based on international cooperation, students and scientists from developed countries are also welcome to attend. The colloquium will be conducted in English. Limited funding (including travel grants) for participation in the colloquium is available, mostly for scientists from developing countries. It is stressed that participants whose travel expenses are paid by the Abdus Salam ICTP are required to attend the entire activity. There is no registration fee. Individuals interested in attending the Workshop and/or Conference should submit an application to arrive no later than 2 March 2001. The "Request for Participation" form can be obtained EITHER by: 1) Accessing the ICTP web page <http://www.ictp.trieste.it/~pwc/laih.html> and downloading the form OR 2) Sending an e-mail message to smr1313@ictp.trieste.it, with the subject "get application". You will automatically receive the form via e-mail. Please send your completed application form via electronic mail, telefax, or post to:

the Abdus Salam International Centre for Theoretical Physics (ICTP) Summer Colloquium on the Physics of Weather and Climate (c/o Pandora Pieri) Strada Costiera 11, 34014 Trieste, Italy

Tel: + 39 040 2240–374 Fax: + 39 040 2240–449 E-mail: smr1313@ictp.trieste.it Any questions concerning the Colloquium should be addressed to Pandora Pieri, secretary, at smr1313@ictp.trieste.it.