The Abdus Salam International Centre for Theoretical Physics

ADVANCED COURSE: CLIMATE CHANGE IN THE MEDITERRANEAN REGION - PART I: PHYSICAL ASPECTS

Organizer(s):
ICTP, 12 - 16 March 2001

Venue: Main Building Lecture Room C

Final programme

Monday, 12 March 2001 (Room:Main Building Lecture Room C)

00:00 - 00:00	**H. Le Treut** **Physical Principles of Climatic Change**
00:00 - 00:00	**J.-F. Royer** **Representation of Climate Variability in General Circulation Models**
00:00 - 00:00	**S. Planton** **Effects on CLimate of Greenhouse Gases Concentrations**
00:00 - 00:00	**M. De Castro** **Main Climatic Driving Forces in the Mediterranean Region**
00:00 - 00:00	**E. Ozsoy** **Aerosols in the Mediterranean, their origin and climatic effects**
00:00 - 00:00	**E. Ozsoy** **Aerosols in the Mediterranean, their origin and climatic effects. Pt.2.**
00:00 - 00:00	**L. Dumenil-Gates** **Effect on Climate of Vegetation, including Deforestation and Afforestation**
00:00 - 00:00	**J. A. Dutton** **An Analytical Model of Atmospheric feedback and Global Temperature Change**

00:00 - 00:00	**I. Pla Sentis** **Soil Physical Degradation Processes**
00:00 - 00:00	**M. Kutilek** **Climatic Changes and Oscillations in the Pleistocene and Holocene: Soil and Geologic Evidence**
00:00 - 00:00	**M. Kutilek** **Preferential Flow**
00:00 - 00:00	**M. Kutilek** **Climatic Change and Soil Water Regime, Evapotranspiration Atmospheric CO2 and Crop Yields**
00:00 - 00:00	**K. Reichardt** **Neutron and Gamma Probes: Their Use in Agronomy**
00:00 - 00:00	**K. Reichardt** **Electromagnetic Wave Attenuation in Soil Physics**
00:00 - 00:00	**K. Reichardt** **Water Balance**
00:00 - 00:00	**M. Kutilek, D.R. Nielsen** **Reading Material (except from "Soil Hydrology")**
00:00 - 00:00	**M. Kutilek** **References**
00:00 - 00:00	**M. Kutilek, D.R. Nielsen** **The Scale of Observation and Modeling in Soil Hydrology**
00:00 - 00:00	**M. Kutilek, D.R. Nielsen** **Concept of Scaling**
00:00 - 00:00	**M. Kutilek, D.R. Nielsen** **Hydrologic Processes in Vertisols**
00:00 - 00:00	**I. Pla Sentis** **Soil Salinization and Land Desertification**
00:00 - 00:00	**I. Pla Sentis** **Modeling Hydrological Processes fro Guiding Soil and Water Conservation Practices**
00:00 - 00:00	**I. Pla Sentis** **Hydrological Approach to Soil and Water Conservation**
00:00 - 00:00	**I. Pla Sentis** **Reading Material for Soil Physics**
00:00 - 00:00	**M. Kutilek** **Soil Sealing and Crusting**
00:00 - 00:00	**G. Hoffman, J. Jouzel, V. Masson** **Stable water isotopes in atmospheric general circulation models**
00:00 - 00:00	**D. Gabriels** **Water Erosion Processes and Modelling**