Indian Institute of Tropical Meteorology (IITM), Pune

PRESS RELEASE: International Workshop on Representation of Physical Processes in Weather and Climate Models (INTROSPECT 2017)

Photographs during the INTROSPECT 2017
a) Delegates on the dais, b) lightening of lamp during the inauguration of workshop
c) Group Photograph

IITM Pune; 13th February 2017: The International Workshop on **Representation of Physical Processes in Weather and Climate Models (INTROSPECT 2017),** organized by ESSO-IITM (Earth System Science Organization (ESSO) - Indian Institute of Tropical Meteorology(IITM)), Pune, Maharashtra, India, an autonomous Research Institute under Ministry of Earth Sciences, during 13th – 16th February 2017. **Chief Guest**, Prof. J. Srinivasan, *(Distinguished Scientist, Divecha Centre for Climate Change, and Honorary Professor, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science and Chairman, Research Advisory Committee,*

IITM, Pune), and Guest of Honor , Dr. Georg Grell, (*Chief, Model Development Branch, NOAA Earth System Research Lab, Boulder, Colorado, USA)* inaugurated the Workshop.

During the inauguration session of this Workshop, Prof. Ravi Nanjundiah, Chairman, CAOS, IISc Bangalore and next Director of IITM, Pune, welcomed the Dignitaries and participants of the Workshop. He emphasized on the need of the improvisation of the physical parameterization in climate and monsoon prediction models. He stressed on the cloud dynamics which drives the monsoon prediction system. Development of a road map to address the complexity of clouds and its introduction in the models, is the expected outcome of this workshop, he added.

Prof. J. Srinivasan in his inaugural address mentioned about the complexity of the models and its data interpretation management. Due to the increase in occurrences of extreme events, strengthening of models for an efficient prediction system, is the present requirement. This workshop is an important step in this direction, he added.

Prof. Jagadish Shukla, Padamsri, from COLA, George mason University, USA emphasized on the requirement of policymakers, and importance of this Workshop in improvisation of fidelity of model. Models should be capable enough to capture the characteristics of parameterization. Interaction of dynamics and convection are the key for predictive forecasting system. This workshop is a very important step in building of seamless prediction system.

Dr. Georg Grell delivered an inaugural talk on "Parameterizing and Simulating Physics Processes in Present and Future NWP - Breaking Down Walls“.

Dr P. Mukhopadhyay, Convener of the workshop presented the vote of thanks to all the delegates and participants. He mentioned that in the year 1990, for the first time, workshop on parameterization was conducted by Dr D.R. Sikka, Former Director, and Dr. S.S. Singh, Former Dyputy Director, IITM Pune. The present four - days workshop is a platform to discuss the issue and to revisit the problems in complexity of physical parameterization. Dr Mukhopadhyay expressed the need for the formulation of a Consortium in this particular research area which would initiate dialogues with subject experts and researchers.

About 20 Experts from various premier research Institutes such as European Centre for Medium-Range Weather Forecasts (ECMWF), UK, National Center for Atmospheric Research (NCAR), USA, Goddard Space Flight Center (GSFC) and Jet Propulsion Laboratory (JPL) of NASA, USA, Seul national University, Korea, University of Victoria, Canada, Center for Ocean-Land-Atmosphere Studies (COLA), Gorger manson University, USA, University of Tokyo, Japan, Royal Netherlands Meteorological Institute (KNMI), Netherlands, National Centers for Environmental Prediction (NCEP), USA, Purdue University, USA, IISc Bangalore, IIT, IMD, NCMRWF, IITM and 73 participants across the country have participated in the International Workshop.

The proceedings of the workshop, lectures, presentations are available live through a web link: http://webcast.vouchpro.in/IITM-130217/

More details about workshop are available at : http://www.tropmet.res.in/introspect/

For more details about the workshop, contact:

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