

Highlights of the year 2010-11

- *Climatological and interannual simulations of the global ocean carbon cycle with TOPAZ and MOM.*
- *Carbon flux inversions using Hanle and Pondicherry data.*
- *MOU with Pondicherry University for continuing CO₂ measurements*
- *Development of two new algorithms: I) Factor analysis and ii) a data-adaptive temporal filter*
- *Prototype of First Indigenous Ground-based Dispenser for ground-based cloud seeding at CSIR Technofest 2010*
- *Inauguration of the Network Project Building*
- *Laying of Foundation Stone for the Climate Simulation Building*
- *Laying of Foundation Stone laying for the Cloud Chamber Building*
- *Launch of collaborative project on Precision Agriculture with EID Parry*
- *Launch of First Real time Hobli-level Forecast over Karnataka in collaboration with KSNDMC*
- *Development of Lattice Boltzmann technique based software to study complex fluids such as particulate suspensions has been initiated. Work on molecular simulation has been initiated to address the mechanical behavior of nanotubes and graphene.*
- *Post –seismic deformation modeling in Andaman and Nicobar islands due to 2004 Sumatra mega rupture and Volcano Geodesy in barren and Narcondam Islands.*
- *Ground motion simulation using finite extended source in Delhi city and the establishment of Broadband seismic Array in Dharwar.*
- *Snow and Avalanche Study Establishment (SASE), DRDO, Chandigarh on 8.10.2010*
- *Installation and commissioning of the 6th fastest supercomputer in the country*
- *New R & D project under CSIR EMPOWER scheme in Cyber Security*
- *Round-the-clock operation of the supercomputing facility with an uptime efficiency of more than 99%*
- *Remote access to supercomputing facility to several CSIR laboratories*



C-MMACS Network Building was inaugurated by DG CSIR on 24 May 2010



C-MMACS entered into an MoU with Pondicherry University for the ongoing measurement set up at the University campus