



## **iGEON-India: An International Collaborative Activity of the GEON Project**

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iGEON-India is an e-science collaboration between the GEON project in the United States and the University Center for Earth and Space Sciences (UCESS) and the Center for Modeling, Simulation, and Design (CMSD) at the University of Hyderabad, India. The project is supported by the Indo-US Science and Technology Forum, India.

The goal of iGEON-India is to introduce and promote the field of geoinformatics in India, including establishment of a portal for sharing data and tools at the University of Hyderabad (UofHyd), by replicating the GEON portal infrastructure developed in the US. The GEON portals in the US and India form the basis for an international network of geoscience nodes.

As part of this collaborative activity, three GEON workshops have been held at the University of Hyderabad, with the most recent one held on Jan 5-11, 2009. The workshops are targeted towards geoscientists and introduce the features and capabilities of GEON and present the technical architecture from a programmer as well as user perspective, followed by hands-on experience. Topics covered included concepts and details of cyberinfrastructure and service-oriented architectures, geoscience applications based on LiDAR and topographic data; geospatial/GIS data; web services, and the GEON Open Earth Framework.

The iGEON-India collaboration includes exchange of students and researchers between participating institutions in the US and India, student projects for computer science and geoscience students in the US and India, and the establishment of a federated network of online geoscience resources. This talk will present the collaborative activities undertaken by iGEON-India and plans for the next year.