

*Tentative*

**Interoperability Day New Delhi  
India Habitat Centre (Jacaranda II), Lodi Road, New Delhi  
25 September 2006 (9.30 AM – 6.00 PM)**

**Theme: Spatial Data Infrastructure (SDI) Development**

*Organised by  
Indian Institute of Technology Delhi*

*Supported by  
Open Geospatial Consortium (OGC)*

*Sponsored by  
Natural Resources Data Management System (NRDMS) Division  
Department of Science & Technology  
Government of India*

Geo-spatial data sharing in India is at a threshold of major transformation with the passage of the resolution on the “Constitution of National Spatial Data Infrastructure” by the Indian Cabinet on 2 June 2006. The National Map Policy announced in May 2005 is another milestone towards sharing of geospatial data as open series maps. With the policies in place, data providing organizations and user agencies in India are working towards implementing supportive Geo-Information and Communication Technology (Geo-ICT) infrastructures for making use of state-of-the-art technologies and standards. Several national standards have been developed in India and used in the past to facilitate sharing of geo-spatial data. With the availability of geo-spatial data and process standards from Open Geospatial Consortium (OGC) and International Standardisation Organisation (ISO), efforts are being made to explore adaptability and usability of these international standards in the development of spatial data infrastructures in India. In order to share the experiences of OGC in the development and usefulness of the standards and that of a select group of stakeholders of Indian NSDI in the adoption of standards, the Interoperability Day is being celebrated under the Department of Science & Technology’s (DST) Natural Resources Data Management System (NRDMS) Programme. The Day is being organized by the Indian Institute of Technology Delhi – a leading participating organization in the activities of NRDMS Programme. DST has been a Principal member of the OGC and has a Working Group on ‘Interoperability’ under the chairmanship of Surveyor General of India to test the key implementation specifications from OGC/ ISO on Indian geo-spatial data. A team of officials from the OGC is participating in the event.

## **Schedule**

### **Inauguration (9.30 AM – 10.30 AM)**

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Welcome           | Head NRDMS                                                                    |
| Remarks           | Surveyor General of India,<br>Chairman Interoperability<br>Working Group, DST |
| Remarks           | Rep of OGC, Maryland,<br>USA                                                  |
| Remarks           | Director, IIT Delhi                                                           |
| Inaugural remarks | Secretary, DST                                                                |
| Vote of thanks    | Prof. AK Gosain, IIT Delhi                                                    |

### ***Tea/ Coffee (10.30 AM – 10.45 AM)***

### **Session I: Interoperability standards in SDI Development (10.45 AM – 1.15 PM)**

|               |                                                                            |                                                 |
|---------------|----------------------------------------------------------------------------|-------------------------------------------------|
| 10.45 – 11.15 | Advances in OGC standards<br>for geospatial interoperability               | Mr. George<br>Percivall, OGC,<br>Maryland, USA  |
| 11.15 – 11.45 | Ensuring interoperability using<br>ESRI suite of products                  | Dr. Aniruddh Roy,<br>ESRI – India, New<br>Delhi |
| 11.45 – 12.30 | Ensuring interoperability using<br>Products from Intergraph                | Dr. Munshi, Rolta<br>India, Bombay              |
| 12.30 – 1.15  | Integrated Bio-Geo Data Model<br>for data sharing under NRDMS<br>programme | Prof. A. K. Gosain,<br>IIT Delhi                |

### ***Lunch Break (1.15 PM – 2.00 PM)***

### **Session II: Interoperability in Indian NSDI**

**(2.00 PM – 4.45 PM)**

|             |                                                                                  |                                |
|-------------|----------------------------------------------------------------------------------|--------------------------------|
| 2.00 – 2.30 | Ontologies for Semantic Interoperability in Indian NSDI                          | Prof. N. L. Sarda, IIT Bombay  |
| 2.30 – 3.00 | Development of Geo-Servers For sharing geo-spatial data Using OGC specifications | Dr. S. K. Ghosh, IIT Kharagpur |
| 3.00 – 3.30 | GML prototype of Indian Topographic data                                         | Shri RN Nanda, SOI, New Delhi  |

***Tea/ Coffee (3.30 PM – 3.45 PM)***

|             |                                               |                                      |
|-------------|-----------------------------------------------|--------------------------------------|
| 3.45 – 4.15 | CubeWerx for Interoperability                 | Edric Keighan, CubeWerx Inc., Canada |
| 4.15 - 4.45 | Geographic Information Sharing in NIC network | Dr. Vishnu Chandra, NIC, New Delhi   |

**Wrap-up (4.45 pm – 5.45 pm)**

Need for interoperability in Geo-spatial data sharing for good governance

Panelists: Surveyor General; Director General, National Informatics Centre; ADG, MOGSGS, Min. of Defence; Chief, ESRI India; Chief, Rolta India; Chief, Oracle India