

Centre for Infrastructure, Sustainable Transport and Urban Planning (CiSTUP)
Indian Institute of Science
Bangalore 560 012, Tel 08022932521

CiSTUP jointly with OSGEO (India Chapter) and KSCST announces

Discussion meeting

Open Source GIS in India: Present Scenario

Date: 16th November 2009 (Monday), Time: 9 to 3 30 pm, Registration: 9 am

Venue: CiSTUP, Conference Hall (SID Building), IISc Campus

Inauguration: 9 30 am

CiSTUP and Geoinformatics Initiative - Overview: Prof. T G Sitharam, Chairman,

Inaugural talk: Geoinformatics in India 9 30 to 10 am

Tea (10-1030 am)

Presentations (10 30-1300 hours)

Session: OS GIS in India: Present Scenario

1. OS GIS Development : Progress in India

Mr. Ravi, Member, OSGEO International Board of Directors

2. A Web GIS Using FOSS tools- Select case studies

Dr. S.N.Prasad, SICON and Chairman, OSGEO India, Education and
Training Committee

3. Role of IIIT in OS GIS development: approaches

Dr. Rajan, IIIT, Hyderabad & OSGeo, India, Treasurer

4. GRDSS: Evolution and scope

Dr. T V Ramachandra, CES, CST & CiSTUP, IISc
Chairman, OSGeo India Software Development Committee

5. GRDSS: Applications and case study

Uttam Kumar, CST & MS, IISc, Member, OSGEO India chapter

6. Application of OS GIS in Decentralised planning (panchayath and in an academic institution) - Jaisen N D, CES, IISc: Case study

7. Experiments with FOSS - Dr. Gururaja K V, CiSTUP

8. Presentation by NRDMS, KSCST

Lunch (1300 -1400 hours)

1400-1530: Interactive session on OS GIS in India – Scope and Strategies

1530 Feedback and Concluding Session

1530 - Evening Tea

There is **no registration fee to students and faculty** from academic institutions and **2 representatives from CiSTUP stakeholder organizations**. Interested participants need to register for the programme (by mail: cestvr@cistup.iisc.ernet.in, priyadarshini@cistup.iisc.ernet.in). Participants from industry, commercial organistaions and NGO's need to pay registration fee of Rs 1000 by demand draft drawn in favour of **“The Registrar, Indian Institute of Science, Bangalore”** to The Chairman, Centre for *Infrastructure, Sustainable Transport and Urban Planning (CiSTUP)*, Indian Institute of Science, Bangalore 560 012.

Back ground:

Centre for infrastructure, Sustainable Transportation and Urban Planning (CiSTUP) was established at IISc (<http://cistup.iisc.ernet.in>) with the financial aid from the Government of Karnataka to develop a unique expertise having an interface in the areas of infrastructure, sustainable transportation and urban planning. CiSTUP is actively engaged in several activities such as basic and applied research and development, academic activities, training programmes, workshops and consultancy projects in the areas of infrastructure, sustainable transportation and urban planning. Geoinformatics lab has been set up at CiSTUP with the state of the art gadgets in spatial and temporal analysis.

The Open Source Geospatial Foundation (<http://osgeo.org>) created to support and build the highest-quality open source geospatial software. The goal is to encourage the use and collaborative development of community-led projects. The OSGeo-India is actively involved in the capacity building in Open Source Geospatial software encouraging student and researchers by conducting lectures and workshops in collaboration with the academic institutions (http://wiki.osgeo.org/wiki/India_Chapter_Report_2007). The India OSGeo Chapter is aiding individuals and institutions interested in Open Source Geospatial Solutions and related issues, covering all activities associated with the application, development and promotion of Open Source Geospatial solutions in India.

The Karnataka State Council for Science and Technology (KSCST) is actively involved in Natural Resources Data Management System (NRDMS) program (<http://kscst.org.in/nrdms.html>) - a multi-disciplinary and multi-institutional program aimed at developing methodologies for building and promoting the use of spatial data management and analysis technologies in local area planning.

Discussion Meeting

The growth of GIS is hindered by highly priced proprietary softwares and unavailability of public geodata. Many of such licensed softwares remain unutilized in various government offices because they require either extensive training or easy availability on multiple locations. All this can be changed by the use of Free/Open-source software tools. This is significant since all government data and most educational institutions work in local language media. FOSS GIS or Free/Open-source Geospatial softwares are more powerful and usable for developing systems where more and more public participation is sought. In this regard the proposed discussion meeting helps to understand the potential and limitations of OS GIS apart from exploring the possible developments.