

Workshop on "State SDIs and their Applications"

Venue: Satish Dhawan Auditorium, IISc, Bangalore.

Date: 8-9 June, 2017

Background:

Natural Resources Data Management System (NRDMS) programme was initiated in 1982 by the Department of Science and Technology, Government of India as a multi-disciplinary and multi-institutional R&D programme. During the past three and half decades, the NRDMS Division has funded a series of sub-programs and a variety of projects in different domains to various State Government organisations, academic and research institutions to pursue R&D and to promote the utilisation of geospatial data, information and services to support local level planning.

The Karnataka Natural Resources Data Management System (NRDMS) launched in the year 1992 is one such initiative supported by DST-GOI to support local level planning using Geospatial Technologies. The Karnataka NRDMS since its inception has been providing geospatial data and services for a wide range of uses and has seen steady growth in the requests for both data and services. The implementing organization – Karnataka State Council for Science & Technology (KSCST) has established district level NRDMS Centres in all the districts of the State. The district NRDMS centres supported by State Spatial Data Centre at Bangalore now delivers analysed spatial datasets to end users through its offices at district Zilla Panchayaths to planners and administrators. The NRDMS program is continuously updating its datasets in diverse fields with an increasing set of application requirements emerging from the end users in the Line Departments of the Zilla Panchayaths. Karnataka appears to be the only State to institutionalize usage of spatial data in decision-making at the district level for Panchayati Raj Institutions (PRIs).

Considering the importance of geospatial data and its varied applications in the present day environment by the use of web technologies (internet) for improving accessibility by the end users, Government of India has constituted the National Spatial Data Infrastructure (NSDI) in the year 2006 for the purposes of improving spatial data sharing. Further to meet the geospatial information needs of users, planners, policy makers, industry and academia and to facilitate reaping the benefits of high-end technologies like Geo-Relational Database Management Systems, Positioning Systems, high resolution satellite sensors, a single window accessible spatial information portal has been a pre-requisite.

The Karnataka State Council for Science & Technology (KSCST), Bengaluru under the DST-GOI and DST – GOK funded Karnataka State Spatial Data Infrastructure (KSSDI) project has developed state's web-accessible spatial

database for use in developmental planning activities and has been in operation for use and demonstration since 2009. The KSSDI portal has been supporting data updation and application development for the State level Line Departments and the Zilla Panchayaths at the Districts over the past few years.

About the workshop:

As recommended by NRDMS – NSDI Steering Committee in its meeting held on 10 March 2017, DST – GOI proposed to hold a 2-day long technical review and demonstration workshop on "State SDIs and their Applications" at the Indian Institute Science, Bengaluru on 8-9 June 2017. The workshop is being organised by Karnataka State Council for Science & Technology (KSCST), Bengaluru.

The Workshop will be attended by the Chairman and Members of the NRDMS-NSDI Steering Committee and various State Government representatives (covered or uncovered States so far) to draw up a road map for the future.

Objectives:

The objectives of the Workshop have been to (i) technically review the project results of the SSDI projects in a more detailed way and (ii) demonstrate the advantages of standardisation and improved access to map data towards promotion of the SDI concept and prepare a strategy for the coming years.

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