

Thought for the month: Educating the mind without educating the heart is no education at all ----- Aristotle.

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## Kudos to best performers

Appreciations to shortlisted candidates Divya and Pradeep from TRAC in Geo-Spatial Knowledge contest by GeolTHub

## Projects initiated Asset Mapping

State is working towards an effective planning and development at grassroots level, for this the awareness of the assets available at the region is essential. Rural Development plan needs management of the existing amenities and assessment of the required ones. For which, assets created under various schemes(MPLAD's, CDP & SDF) of Government of India, States and Communities by themselves, need to be mapped.

Spatial inventory of the assets created under different schemes and monitoring them at various stages is not only essential for assessing and accounting the funds utilized from it, but also a tool to monitor the development activities carried out in a particular period of time.

Objectives of the project:

- Geo-tagging the Scheme wise assets. (2014 – Till date)
- Creation of temporal Geodatabase inventory of assets.
- Monitoring the assets being created.

This project can enable citizen to geo-locate the available assets in an area using Bhuvan Panchayat Portal or mobile application along with their associated attributes. This Portal is developed under Space based Information Support for Decentralized Planning(SIS-DP)Project that was formulated by National Remote Sensing Centre(NRSC)of Indian Space Research Organisation(ISRO) and implemented in partnership with State Remote Sensing Application Centres. Villagers involved in creation and interpret of assets location, can use it as a springboard for creating a healthier vision.

in dialogue with village planners and Government officials.

The assets are classified into 3 major categories, 19 subclasses, 63 asset groups and 271 assets.

1. Civic Amenities/Infrastructure: 22 Assets
2. Governance Assets: 35 Assets
3. Productive Assets: 10 Assets



Veliminedu and Pittampalli villages of Nalgonda districts were selected for pilot study by TRAC after successful implementation, TRAC is given with the Project. At district level Mahabubnagar is taken for pilot study in Telangana state mapping in 26 mandals is completed so far, Village level officer's and PRIs and are assigned for collecting asset data in the district. TRAC is actively involved in training the team and villagers in understanding Bhuvan Panchayat portal and utilization of its tools. TRAC is responsible for map generation and its accuracy.



Bhuvan Panchayat Mobile App

# NEWS

## TRAC Regional centres

Month of October has witnessed new developments in TRAC. Technical officers were distributed to all the districts of Telangana yet in a new role as Regional scientific officers. They are placed under district collectors or CPOs, to help ease their work by providing data they desire in maps. the vision is to set up regional centres of TRAC in various districts. This is exercised to develop awareness among the planners, regarding map, technology of GIS and its vital role as a decision making tool and to take the working environment closer to the planners at district level.

Maps such as Ground water Prospects, Land Use Land cover, Command Area, Tanks, Road connectivity etc, along with cadastral data is mostly desired by the planners till date as an initial step.



## Interview in AIR(All India Radio)

In the month of November Scientist-SC Mrs Kavita from Agriculture department gave an interview on AIR, on Remote sensing and GIS applications in Agriculture sector. Questions regarding Drought assessment, ground water prospects, command area monitoring were asked. to have an understanding of how best this technology can be used in agriculture sector.

Role of Remote sensing and GIS technology in assessing these results, the ease this technology gives in analysing the facts and contributions of TRAC in reporting the analysed results to the govt and other govt bodies, especially its active participation in seasonal conditional monitoring of crop and drought assessment were answered in detail.

This interview has not only thrown light on technological developments in crop analysis and its ability in predicting crop condition but also has introduced TRAC and its applications to wider audience.



Mrs Kavita an interview on AIR

## Applications of Remote Sensing and GIS for Sericulture Development

Sericulture provides more employment all round the year and fetches higher income for rural farm families compared to agricultural crops. Sericulture, is a significant component under the Ministry of Textiles. Central Silk Board (CSB), Govt. of India and Indian Space Research Organization (ISRO) in collaboration with the concerned States Sericulture/Textiles Departments applied the technology of remote sensing (RS) and geographical information system (GIS) for mulberry acreage estimation, garden condition assessment and for finding suitable areas for introducing sericulture in the non-traditional States.

This project is funded by Central Silk Board (CSB), Ministry of Textiles, Govt of India, for implementation during the XI Five Year Plan period, spread over most part of the country covering all four types of sericulture (Mulberry, Eri, Muga and Tasar).

North Eastern Space Applications Centre, Dept of Space was entrusted with the responsibility to carry out project in collaboration with State Remote Sensing Application Centres (SRSACs) and other partner Institutes with three major objectives:

- To map and identify the potential areas for development of silkworm food plants for mulberry and non-mulberry sericulture in the non-traditional States on 1: 50,000 scale
- To conduct appraisal survey in selected blocks
- To develop and implement a network of Sericulture Information Linkage & Knowledge Systems (SILKS).

The beneficiaries of project outcome include sericulture extension officials, farmers / sericulturists at the grass-root level Self-Help Groups, financial institutions like Banks and Co-operative Societies, State Sericulture Directorates, Regional Development Offices and Central Research Laboratories / Institutes of Central Silk Board.

## EVENTS

### GIS Day celebrations 2016

In the month of November on 16th an expert lecture on modern developments of GIS by Retired NRSC Scientist Mr. Ramanamurthy.



### New Year's Eve

On the eve of New year TRAC gathered in the conference hall. Senior staff greeted the gathering. Additional Director General, Sreenivasa Reddy sir addressed the gathering and revealed the projects that are ongoing and are under pipeline for this year. He wished every one for their individual progress and inturn progress of the organization. and also asked the staff to maintain office order at all times.



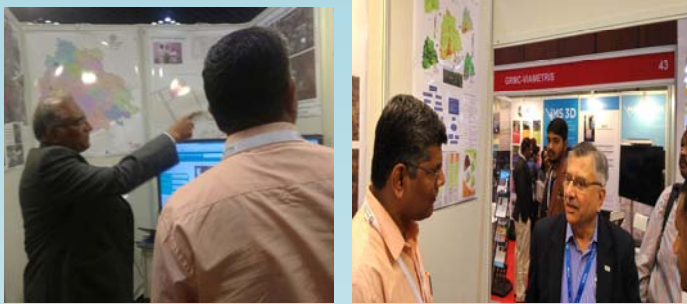
## Geo Spatial world forum :

International forum on Geo-Spatial technologies was conducted by Geospatial Media and Communications Pvt Ltd along with NRSC, SOI, Department of Science and Technology is organising Geospatial World Forum, from 23-25 January, 2017 at Hyderabad International, Convention Centre.

The theme was Geospatial + Deep Learning shaping smarter world and how it effects industries such as Transport infrastructure, Smart Cities, Geo-Agri, Defence and National security, Climate change and Disaster management, Land Administration Systems and Geo-Health other featured programs include Digital Cartography Summit, Commercialisation of Research and Innovation, Public-Private Partnership Summit.

National Remote Sensing Centre(NRSC), Indian Space Research Organisation(ISRO) User Interaction Meet 2017 was also hosted in the forum.

TRAC participated in the forum. A stall showcasing the projects ongoing and completed such as Asset mapping, ISMS,Ease of doing Business etc. was set up in the exhibition.



Y.V.N. Krishna Murthy(Director NRSC) & other delegates visited TRAC stall



Team of TRAC @WGF TRAC Stall



One page advertisement of TRAC was published in the Geospatial world Annual edition-January magazine

## Jan 26 Celebrations

Year 2017 witnessed 68th Republic day of the country. Staff of TRAC assembled to salute the National flag at office premises. Director Technical Sri DVJ Sastry hoisted the flag. This year TRAC along with TSDPS participated in the celebrations. Staff greeted each other and dispersed after refreshments.



Gathering of office staff



Flag hoisting by Director Technical