

Training programme
on
**Geospatial Analysis for
Natural Resources Management using Free and
Open Source Softwares (FOSS) - QGIS, ILWIS**

November 16-25, 2017



Programme Directors

Dr. P D Sreekanth

Dr. S K Soam



भाकृअनुप - राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
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ICAR-National Academy of Agricultural Research Management
Rajendranagar, Hyderabad-500030, Telangana, India
<https://naarm.org.in>



The ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad announces a Training Programme on "GIS for Natural Resource Management" during October 18-27, 2016 at NAARM, Hyderabad. We invite you to participate in the programme, and also to forward this information to those who would be interested.

Background

GIS plays an important role in agriculture production throughout the world by helping farmers increase production, reduce costs, and manage their land more efficiently. Open Source Web based GIS plays an important role in providing value added services to end users. Due to lack of awareness in Open Source Software's, many researchers not addressed the spatial problems in their research works in NARS. This training programme emphasises mainly to effectively address the spatial variations using Open source software's with Zero Budgeting on software's.

The training programme aims at enhancing competency levels of NARS professionals in understanding GIS, GPS and RS along with web technologies applying these principles in Agricultural Sciences.

Methodology and Content

The programme consist of a blend of lectures, self-exploration instruments, case analysis and hands on exercises. The course content broadly covers topics on:

- Introduction to GIS/GPS/RS and its application in agriculture;
- Developing spatial databases using ORDBMS (PostgreSQL);
- Introduction to Free and Open Source Software's (FOSS);
- Visualization of Spatial Data using Quantum GIS (QGIS);
- Spatial analysis using R software;
- Case study using QGIS;
- Case study using ILWIS for RS applications; and
- Overview of Open source Web GIS Tools and services.

Programme Fee

Rs 10,000/- for non-ICAR participants.

Course/ Programme Fee includes board and lodging charges in the guesthouses/hostels on the campus of the Academy for non-ICAR participants. For ICAR participants, there is no course fee, however, they have to pay board and lodging charges at an approximate cost of Rs 600/- per day **to be borne by the participants/sponsoring institutes.** In pursuance of Government of India instructions/guidelines on Cashless Transactions, the Course/Programme fee may be paid only in the form of online transfer (Name of the Beneficiary: ICAR Unit – NAARM A/C, Account Number **1505100017**; Name of the Bank: Central Bank of India; Branch: NAARM; IFSC Code No: CBIN0283252) or demand draft/cheque drawn in favour of **'ICAR Unit-NAARM A/C'** payable at Hyderabad and mention your name, mobile number and title of the programme backside of the DD/Cheque..

Programme Dates, Duration and Last Date for receiving nominations

November 16-25, 2017 (10 days). Participants should arrive latest by the evening of November 15, 2017, and can leave after 1700 hrs on November 25, 2017.

Last Date for receipt of nominations: October 16, 2017

Who should attend?

Scientist/Faculty/ Technical Officers from ICAR Institutes/ State Agricultural Universities / Krishi Vigyan Kendras and above cadre working in the area of Natural Resource Management are eligible. Participants should possess some prior knowledge of GIS and computers. Participants will be selected on the basis of their ability to benefit from the training. The total no. of seats in the training programme will be 25 (Twenty-Five only).

Travel

NAARM is located in Rajendranagar (17.31507 N, 78.41069 E) in Hyderabad. It has a salubrious climate with an elevation of 530 m above the MSL. It is well connected by air, rail and road with all parts of the country. About 20 km from the Hyderabad Rajiv Gandhi International Airport, Shamshabad, 25 km from the Secunderabad Railway Station, 16 km from the Hyderabad Railway Station, 16 km from the Kacheguda Railway Station and 12 km from the Imlibun /Mahatma Gandhi Bus Station. From any of these alighting points, participants may reach the Academy by hiring taxi / auto. The Academy would not be able to make arrangements to receive the participants at their alighting point. Participants are advised to make their return reservations before commencing their journey to NAARM.

Participants are advised to commence their Journey to Hyderabad only after the receipt of PARTICIPATION CONFIRMATION LETTER from NAARM.

How to Apply?

Applicants are advised to fill the nomination form online after registration on Training Management Information System (<http://www.naarm.org.in/training>). Upload the filled, signed and scanned nomination form onto Training Management Information System or mail it to Programme Directors.

For programme specific queries if any, the interested participants may contact concerned Programme Directors.

Programme Directors

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For further information, please contact:

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