

**NATIONAL SEMINAR
ON
GEO-SPATIAL APPLICATIONS FOR
NATURAL RESOURCE MANAGEMENT
(March 17-18, 2020)**

INFORMATION BROCHURE



**NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ
NORTH EASTERN REGIONAL CENTRE
JAWAHARNAGAR, KHANAPARA
GUWAHATI – 781 022**

INVITATION TO NATIONAL SEMINAR

The National Institute of Rural Development & Panchayati Raj (NIRD&PR) – North Eastern Regional Centre, Ministry of Rural Development, Government of India, invites applications for participation in the National Seminar On “Geo-Informatics Applications in Natural Resources Management” during 17th-18th, March 2020, to be held at NIRD &PR-NERC, Guwahati. NIRD&PR’s mission is to examine and analyze the factors contributing to the improvement of economic & social well-being of people in rural areas on a sustainable basis with focus on the rural poor by improving the knowledge, skills and attributes of rural development officials and non-officials through organizing training, workshops, seminars and conferences.

THE INSTITUTE

The National Institute of Rural Development and Panchayati Raj is the apex institution for training and research in rural development in India. It is an autonomous body under the Department of Rural Development (MoRD), Govt. of India. The Institute’s endeavours are aimed at examining the strategy and programmes of rural development in the national socio-economic growth process. The broad areas on which it concentrates its efforts relate to: 1. Social and economic change, 2. Institution building, 3. Micro level planning, 4. Human resource development, 5. Technology transfer and 6. Policy formulation and options in rural development. Within each area, specific R&D studies are developed and training programmes, seminars and workshops with focus on these areas are organized. These are generally of short duration not exceeding one week.

NORTH EASTERN REGIONAL CENTRE, GUWAHATI

The North Eastern Region comprising the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura is characterized by some special features of physical and socio-economic conditions typical in nature and located in an isolated region. It had been felt over the years that rural development effort in this region suffers from various inadequacies including lack of proper understanding of the problem, trained manpower and training infrastructure for undertaking orientation and refresher courses for the developmental functionaries, like the Officials and the elected representatives. Moreover, due to physical distance and difficulties of transportation and communication, personnel connected with planning and implementation of rural development programmes have not been able to take advantage of availing of the training courses conducted by NIRDPR at Hyderabad.

Further, it has been ascertained that the officers and the elected representatives from this region often attend training programmes in Hyderabad, which are not having adequate references to the specific conditions and situations of this region. It is in this light that the National Institute of Rural Development decided to establish the North Eastern Regional Centre at Guwahati to orient the development functionaries with appropriate training and research activities adapted the needs and problems of the North Eastern Region of the country. Thus the institute came into being in July 1983.

RURAL DEVELOPMENT AND USE OF GEOSPATIAL APPLICATIONS

The economic, social and cultural viability of any nation is mainly determined by the natural resources that it has. These natural resources are essential to the economy of a nation since they play a critical role in the provision of employment; they are a source of raw materials for various industries, act as a source of food and income, basis needs as well as energy. It is essential for nations to learn how to use these resources in a sustainable manner to ensure that their benefits are enjoyed in the present as well as future generations. At the present, the world has been overstretched due to the ever rising population of human beings. It is as a result of this population pressure that forest cover all over the world has declined due to human encroachment. This has greatly increased human/wildlife conflicts and encouraged the development of deserts. Ultimately, the depletion of natural resources has led to an increase in the cost of living, changes in weather patterns and a decline in the economic, social and cultural benefits that were accrued as a result of their utilization.

Due to these constraints, there is a dire need to ensure that these resources are effectively managed. A lot of management practices have been advanced in the field of natural resources management to achieve this goal. Some of them have been effective while others have failed to achieve the desired outcomes. However, with the current trend in the advancement in the field of Geospatial Technology, Natural Resources Managers have now laid a lot of emphasis on the use of Remote Sensing and GIS technologies in the management of Natural Resources. These technologies provide a platform through which managers can generate informative data and information that can be used to make sound decisions for sustainable development. For over three decades now, the use of remote sensing satellite has been in application in almost all fields of NRM. Remote sensing and GIS technologies have always generated informative data that have led to the sustainable management of NRM. It is in this context, a National Seminar has been proposed to be conducted at NIRDPR-NERC, Guwahati during March 17 – 18, 2020.

GOAL OF THE SEMINAR

The aim of the National Seminar on Natural Resources Management is to aggregate researchers, academicians, scientists, practitioners, policy and decision makers from the Geoinformatics community to create a platform for exchange of information on technological advances, new scientific achievements. It provides a premier technical forum for reporting and learning about the latest research and development in the usage of Geoinformatics Technology for Natural Resource Management.

OBJECTIVES OF THE NATIONAL SEMINAR

- To bring together Scientists, Researchers & Practitioners from Rural Development sector to address the advancement in Spatial Technology & Innovative Applications in Natural Resources Management;
- To provide the Interdisciplinary and Multidisciplinary Forum to present and discuss the most recent innovations, trends, concerns, and solutions adopted in Natural Resources Management;
- To discuss emerging trends in geospatial technology application in the Natural Resources Management ;
- To share best and innovative practices on Geo-informatics Applications in Programs and Policies of Natural Resources Management.

SEMINAR SUB-THEMES

The following are broad themes for the National Seminar on Geoinformatics technology application in the Natural Resources Management:

- Geo-Spatial Applications in Water Resource Development;
- Geo-Spatial Applications in the Climate Change, Environment and Ecology Management;
- Geo-Spatial Applications in Watershed Planning and Monitoring;
- Geo-Spatial Applications in Forestry Management;
- Geo-Spatial Applications in Land Resources Development;
- Geo-Spatial Applications in Soil Resource Development;
- Geo-Spatial Applications in Agriculture;
- Geo-Spatial Applications in Energy Resource Development;
- Geo-Spatial Applications in Oceanology;
- Geo-Spatial Applications in Disaster Management;
- Geo-Spatial Applications in Fisheries;
- Geo-Spatial Applications in Wild Life Development;
- Geo-Spatial Applications in Horticulture Development;
- Geo-Spatial Applications in Plantation Development;
- Geo-Spatial Applications in Animal Husbandry and Dairy Development;
- Geo-Spatial Applications in Ground Water Management;
- Geo-Spatial Applications in Habitat Management.

INVITATION TO PAPER SUBMISSION

The National Seminar will provide an opportunity for delegates to present their ideas and research outcomes. Only **word or .doc** files will be accepted for paper submission. Final author manuscripts will be in A4 not exceeding 15 pages. The accepted National Seminar Paper would be published in the form of a book. The formatting instructions are –

- ❖ The length of the abstract and full paper should not exceed 300 words and 6,000 words, respectively, excluding preliminary pages, annexure and references. It should be written in Times New Roman, 12 pt. and line spacing- 1.15 lines. For reference we recommend the APA style
- ❖ The abstract should include the title of the proposed paper, name of author/s, institutional affiliation (if any), email address and postal address, key words upto six and finally a paragraph of not more than 300 words summarizing the main findings and the argument of the proposed paper, and its significance.
- ❖ The full paper should be arranged as follows: Title page, the presenter's name, institutional affiliation (if any), email address and postal address, Abstract, Key-words, Introduction, Methods, Findings, Discussion, Citations and references

IMPORTANT DATES

Interested participants may send their abstracts and full papers through email on **seminarcgard@gmail.com**, as per the following schedule:

Last date for Submission of Abstracts: **20/02/2020**

Intimation of Acceptance of Abstracts: **23/02/2020**

Last date for Submission of Full Paper: **10/03/2020**

DURATION

Two days: **March 17-18, 2020**

PARTICIPATION FEE

There is No Participation Fee. Free board and lodging will be provided to all participants in the Institute's Guest House

TRAVEL

3rd AC Train/Bus/Shared taxi fare will be reimbursed to the selected paper presenters (for the first author only) on production of original tickets.

PUBLICATION

The accepted/presented papers will be published in the form of a book.

PAPERS AND PARTICIPATION

Papers are invited on the above mentioned themes from Government Officials, Policy makers, Planners, Faculty members and Research Scholars from the different/concerned departments of Universities, Colleges, National/State level Research Institutions and Research organisations; Members from reputed NGOs, Corporate Sectors; Independent Researchers, Practitioner, and Social activist working in this area.

BOARD & LODGING

Free board and lodging will be provided to all participants in the Institute's Guest House

VENUE

National Institute of Rural Development & Panchayati Raj
North Eastern Regional Centre
Jawaharnagar, Khanapara, Guwahati-781022
Phone: 0361-2302721/2304790
Fax: 0361-2302570
email: nirdghy@gmail.com

SEMINAR CONVENOR

Dr. A. Simhachalam
Assistant Professor
NIRD&PR-NERC,
Khanapara, Guwahati - 781022
Mobile: +91 - 8876323499
Email: asimhachalam.nird@gov.in
chalamnird@gmail.com
seminarcgard@gmail.com