

**Workshop on  
National Information System for  
Climate and Environment Studies  
(NICES) Data Products**

**Date: 29.01.2019**



**Organized by**



**NRSC, Hyderabad**

&



**Department of Geography  
Jamia Millia Islamia, New Delhi**

**About the Department**

The Department of Geography was established with B A/B Sc (Hon) Program in Geography in 1971. Adv. P G Diploma in Cartography was introduced in the year 1974. The Department was elevated to Post-graduate level in 1984. Since then, it offers B A/B Sc (H), MA/MSc and Ph. D. Programmes in Geography. Meanwhile, PG Diploma in Conventional Cartography has been redesigned as PG Diploma in Digital Cartography with an additional PG Diploma in Remote Sensing & GIS. The Department is a pioneer in the country introducing Remote Sensing at post graduate level as recognized by the ISRO, Government of India, and supported for the enhancement of the DIP/GIS labs. The DST also recognized the Department as nodal facility in Delhi for training programmes in Remote Sensing and GIS for university and college teachers and gradually accorded it FIST-1 status. UGC recognized the Department to support under its SAP DRS-1. The faculty and research students are actively engaged in innovative research in varied field of geography. Publications by the faculty and research scholars in international journals with about one thousand of citations, and twenty five h-index are the testimony.

**Jamia Millia Islamia**

Jamia Millia Islamia (JMI) is one of the premier universities of national importance. It came into existence at Aligarh in 1920 during the Khilafat and Non-cooperation movement in response to Gandhiji's call to boycott government supported educational institutions. JMI has a multi layered educational system. It has Nine Faculties and more than 27 Centres for Research of Excellence. Jamia has also started several inter-disciplinary research centers that have given an edge to it in terms of critical research. The story of growth JMI from a small institution in the pre-independence India to a central university located in New Delhi is a saga of dedication, conviction and vision of a people who worked against all odds and saw it growing step by step. They "built up the Jamia Millia stone by stone and sacrifice by sacrifice," said Sarojini Naidu, the nightingale of India.

**Registration Form**

**Workshop on  
National Information System for  
Climate and Environment Studies  
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**Date: 29.01.2019**

1. (a) Name : \_\_\_\_\_

\_\_\_\_\_ ; (b) Gender: M/F

2. Designation : \_\_\_\_\_

3. Department : \_\_\_\_\_

4. Address: \_\_\_\_\_

Tel (off): \_\_\_\_\_

Mobile: \_\_\_\_\_

e-mail: \_\_\_\_\_

5. Educational Qualification : \_\_\_\_\_

6. Area of Research : \_\_\_\_\_

7. On campus accommodation requirement: Yes/No

Signature of the Applicant: \_\_\_\_\_

Date : \_\_\_\_\_

## Endorsement of the Head of the Institution/Department

Certified that Mr./ Ms./ Dr. ....  
.....

is an employee of/ student pursuing ..... in this institution and is hereby sponsored for One Day Workshop on National Information System for Climate and Environment Studies (NICES) Data Products Department of Geography, Jamia Millia Islamia on 29<sup>th</sup> January, 2019. He/she will be permitted to attend the workshop, if selected.

Place: Name & Signature  
Date: of the Sponsoring Authority  
(*seal of the institution*)

Mail your registration forms to

Email: geog.jmi@gmail.com

**Co-ordinator**  
**Prof. Masood A. Siddiqui**

Department of Geography  
Jamia Millia Islamia, New Delhi

Contact:  
+91-9990948270,

## Workshop Topics

- **NICES activities and available data products**
- **Space technology for atmospheric application**
- **Space technology for ocean application**
- **Space technology for terrestrial application**

Scientists from NRSC will deliver the lectures

## Registration

Faculty members, research scholars and students from various UGC/AICTE approved institutions, officials from state and central government organizations and NGO's working in the climate change related area can apply.

There is no registration fee for the workshop. Course materials, working lunch, and refreshment during the break will be provided. If accommodation is needed, it will be arranged, subject to availability, on payment basis.

For provisional registration, send the duly filled up registration form in the prescribed format to the Coordinators by email/hardcopy on or before 15<sup>th</sup> January 2019. The numbers of participants are limited.

**Travel Expenses:** No TA/DA will be paid.

**Venue:** Department of Geography, Jamia Millia Islamia,  
New Delhi

## Preamble

Climate change is one of the most concerning issues being widely discussed across the world. Climate change studies indicate that there is steady increase in the concentration of greenhouse gases and global mean temperatures. Several studies show that the hydrological cycle is severely affected due to the changes in atmospheric water vapour content and precipitation patterns. The impact of climate change is already being felt in India from the recent events like droughts, frequent flooding, sea level rise, cloud bursts, landslides, glacier melting etc.

In the above context, it is necessary to understand the complex processes that regulate the earth system and the manner in which they are influenced by the natural forces and anthropogenic activities. Realising the need, ISRO formulated the National Information System for Climate and Environment Studies (NICES) with the mandate to build an information base for climate change impact assessment and mitigation under the guidance of NICES Programme Management Council (NICES-PMC).

NICES is in the process of establishing a dedicated Information System for climate and environment studies at national level using Indian Remote Sensing (IRS) and geostationary satellites data and others. The air of NICES is to generate climate and environmental data archives with a provision for access and visualization to various ministries, academia and research institutions in the country. Presently, sixty-four products of bio-geo-physical variables including terrestrial, ocean, atmosphere and cryosphere are being generated and disseminated through NICES portal.

In this regard, one day workshop is planned at Department of Geography, Jamia Millia Islamia with potential stakeholders from academia, state remote sensing Centre's, central government organization's and NGO's to demonstrate NICES products, their applications and discussion will be made with the participants towards future collaboration.