



INDIAN COUNCIL OF MEDICAL RESEARCH

ICMR - NATIONAL INSTITUTE OF EPIDEMIOLOGY

Organizes



SEVENTH

THREE-DAY WORKSHOP – 22nd to 24th May 2019

GIS FOR PUBLIC HEALTH PRACTITIONERS AND RESEARCHERS

BACKGROUND

The National Institute of Epidemiology (NIE) located at Ayapakkam, Ambattur, Chennai is one of the permanent institutes of the Indian Council of Medical Research (ICMR). The Institute has conducted five workshops for Geographic Information System (GIS) users and a Brain Storming Session in 2010-17. The feedbacks received from the participants regarding the challenges and limitation in the use of GIS technology in public health in India was brought out as an article published at http://www.ijmr.org.in/temp/IndianJMedRes1362299-1253483_032854.pdf. The institute also helps in health GIS analysis and giving training to institutes/colleges/individuals. The institute has also added a subject Spatial Statistics/Epidemiology for the MSc Biostatistics ongoing course and a module to MPH course. There were several requests from public health researchers to conduct GIS workshop focused on learning by doing. Hence the proposed workshop will be helpful for public health practitioners and researchers

GIS FOR PUBLIC HEALTH PRACTITIONERS AND RESEARCHERS

22nd to 24th May 2019, at NIE, Chennai.

The workshop is designed for those who intend to use GIS for their data analysis.

Objectives

- To understand the GIS concepts and capabilities.
- To provide hands-on-experience using QGIS tools in analyzing and interpreting data

Who should attend?

The workshop is planned for public health practitioners and researchers and it consists of class lectures and hands on experience using QGIS.

Workshop Schedule

DAY 1	22.5.2019
Time	Topic
09:30-10:00	<i>Registration</i>
10:00-10:30	<i>Welcome & Inaugural session</i>
10:30-11:00	<i>Tea</i>
11:00-12:00	Lecture 1: Fundamentals of GIS & concepts of GIS
12:00-13:00	Lecture 2: Coordinate system ; Datum and its types
13:00-14:00	<i>Lunch</i>
14:00-15:00	Lecture 3: Installing Quantum GIS Installing Plugins In QGIS Introduction to the Interface of Quantum GIS
15:00-15:30	<i>Tea</i>
15:30-16:30	Lecture 4: Displaying and adding data Working with the navigation tools Visualizing both attribute and spatial data
16:30-17:30	Lecture 5: Overview of a case study & Group formation and study topic
DAY 2	23.5.2019
Time	Topic
09:30-10:30	Lecture 6: Digitization and Geo-referencing.
10:30-11:00	<i>Tea</i>
11:00-12:00	Lecture 7: Editing tools Editing layers and spatial data Data retrieval and selection
12:00-13:00	Lecture 8: Spatial Analysis Creating different Buffers Clipping and merging features
13:00-14:00	<i>Lunch</i>
14:00-15:00	Lecture 9: Hands on training using QGIS
15:00-15:30	<i>Tea</i>
15:30-16:30	Lecture 10: Hands on training using QGIS
16:30-17:30	Lecture 11: Hands on training using QGIS
DAY 3	24.5.2019
Time	Topic
09:30-10:30	Lecture 12: Types of Maps Working with Symbology (Single, Graduated) Creating Quantitative displays Classification Methods
10:30-11:00	<i>Tea</i>
11:00-12:00	Lecture 13: Creating Map Layout in QGIS Importance of map elements Adding Map Elements.
12:00-13:00	Lecture 14: Group presentation
13:00-14:00	<i>Lunch</i>
14:00-15:00	Lecture 15: Group presentation
15:00-15:30	<i>Tea</i>
15:30-17:00	Feedbacks & closing section

How to apply

Fill the enclosed registration form completely and send it by e-mail.

To complete the registration process, a hard copy of the same duly signed by the applicant shall be posted to **The Director, National Institute of Epidemiology (ICMR), R127, Second Main Road, Tamil Nadu Housing Board, Ayapakkam, Ambattur, Chennai – 600 077** along with a demand draft for 5000/- favoring “Director, National Institute of Epidemiology, Chennai”.

Last date for receipt of application is 15-5-2019; 5.00 PM.

COURSE COORDINATORS: Dr Vasna Joshua & Mr. A Elangovan

Contact person: Mr. ChokKalingam

Contact Number: 044-26136305; 9787214013

Email id: icmrniechennai@gmail.com

ABOUT THE COURSE

Faculty

Faculty will consist of GIS users of the Institute.

Facilities

The Institute has a well-equipped library with good collection of reference materials. The participants will have access to a computer laboratory and internet facility in the library.

Tea and Working lunch will be provided. Participants can use the canteen facilities for breakfast and dinner at their own cost.

NB: PARTICIPANTS HAVE TO BRING THEIR OWN LAPTOPS FOR THIS PROGRAM.

Number of seats

The number of participants is limited to a maximum of 20. The registration will be on of first-come first-served basis (order of payment of course fee).

Fee for participation

A fee of **5000/-** per participant will be collected that covers the incidental and organizational cost. **The course fee will not be refunded once registered .**

No TA / DA will be paid by the organizer.

Accommodation

Outstation participants should make their own arrangements for boarding and lodging. Limited number of on-campus hostel accommodation at nominal rent is likely to be available during the workshop period. However quantum available will be **known only a week before the workshop date**. If available, the allotment of accommodation will be on the basis of order of the participant’s request after their registration.

REGISTRATION FORM

NAME IN CAPITAL : _____

(For Certificate Purpose)

AGE: _____

GENDER: M / F

DESIGNATION : _____

QUALIFICATION : _____

WHETHER GIS USER YES/NO

NAME OF THE INSTITUTION /ORGANIZATION: _____

ADDRESS : _____

: _____

STATE : _____

PHONE & MOBILE : _____

E-MAIL ID : _____

NATURE OF JOB : _____

AREA OF INTEREST : _____

ACCOMMODATION (Please tick) (Subject to availability) : Required / Not required

D AMOUNT: _____ DATE: _____

DD NUMBER: _____ BANK: _____

Note: Course fee non refundable after registration.

SIGNATURE (with date):