

Workshop Title:**GIS for Health Sector: Concepts and Applications****Facilitator(s): name, title, affiliation, email address**

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Rationale:

Due to its ability to transform health data into spatially explicit information, GIS can serve as an important decision-support technology for epidemiology, health-service planning, environmental health, disease surveillance, emergency response, and health-policy development. In this respect, GIS helps health professionals understand where health problems occur, why they occur, and which populations are most affected.

Objectives:

The workshop is intended to introduce and familiarize participants with the field of GIS as well as its analytical capabilities and potential applications in health sector. This involves providing a number of case studies and applications of GIS in public health that include, but not limited to, mapping disease risk and spatial analysis of epidemics.

Topics to be covered:

- GIS: A conceptual Framework
- Manipulating Spatial data
- Mapping disease risk under climate change
- Geo-Spatial Analysis of epidemics

Expected outcomes:

By the end of the workshop, participants will be able to:

1. Explain the fundamental concepts and principles of GIS and their relevance to the health sector.
2. Identify and utilize appropriate spatial data and geospatial sources for health-related applications.
3. Describe the major applications of GIS in epidemiology, public health, healthcare planning, and health-risk assessment.
4. Recognize the potential and limitations of GIS in health-sector applications

Who should attend

Researchers in public health domain

Registration Fees (Per Workshop)**For Egyptians (EGP)**

- **Conference Participants:** 300 LE (Early Bird) / 500 LE (Late)
- **Non-Conference Participants:** 500 LE (Early Bird) / 700 LE (Late)
- **Group Rate (5 Conference Participants):** 1200 LE (Early Bird) / 2200 LE (Late). One member of the group should register for the whole group as shown.

Non-Egyptians (USD)

- **Conference Participants:** \$15 (Early Bird) / \$20 (Late)
- **Non-Conference Participants:** \$30 (Early Bird) / \$35 (Late)

N.B: for conference participants, please upload copy of your conference registration receipt.

Number of participants per workshop :Maximum of 40 participants