**DHSI2 GIS Analytics Academy**

**Purposes of the Academy:**

The application of GIS to public health holds great potential for improving our understanding of the ecology and cause of complex health issues. The key benefit of using GIS is that it can summarize a large amount of tabular data into visual maps that can be very insightful for the planning and evaluation of public programs. By adding the ‘*place*’ in traditional person/time/place triad underlying public health planning, epidemiology and surveillance, data can be made more relevant to policy planning and program implementation

This training, in using GIS for public health management and planning, will focus on principles of GIS use, key concepts, importance of triangulating data with GIS and other relevant layers (for key populations, weather, infrastructure, human resource and others) and most importantly to equip participants to use DHIS2 GIS in every work.

**Objectives**

1. Strengthening capacity on the use of DHIS-GIS for health programme management.
2. Building capacities of state and country health programme teams for undertaking monitoring and evaluation of programmes

**Sub-objectives**

1. Documentation of new GIS use cases and country stories.
2. Building guidelines for effective GIS implementation.

**Learning Objectives**

Through presentations, examples, and exercises with real data, participants have conceptual understanding of using GIS for public analysis and to create GIS dashboard in DHIS2.

Key concepts for understanding GIS

Understanding data sources for GIS/spatial analysis

DHIS2 Using the Maps app in DHIS2

Combining health data from DHIS2 with reference layers like population density, elevation and climate

Exporting health data from DHIS2 for analysis in QGIS, an advanced GIS application

**Potential participants**

1. Programme managers of Malaria/TB and MCH from Bhutan.
2. Programme officer Health Planning, Head HMIS, and other health programmes – Nepal
3. Sate programme officers – Bihar, UP, Odisha, Maharashtra

**Venue:** India Habitat Centre, New Delhi

**Duration** – 3 days

**Timing**: October 31-Nov 2

**Deliverables:**

* + 1. Updating/adding Section on GIS Use and Implementation in DHIS2 User Manual – HISP India
    2. Documenting use cases / country uses on GIS in Health – HISP India