ITU Academy
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Registration information

Fundamentals of GIS and Data Management for Broadband Mapping (Basic Level)

Organized by:

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Training details

Modality: Face to Face
Location: Kampala, Uganda
Dates: *20 Apr 2026 - 24 Apr 2026*
Training fees: $0.00
Language: English
Application deadline: 20 Mar 2026
Training code: 26WS500485AFR-E-D
Contact: danajon.kamason@itu.int

Training description

This introductory course establishes foundational competencies in Geospatial Information Systems (GIS) using ArcGIS within the context of national broadband mapping systems under the Africa-BB-Maps.

The course is aligned with the TOR requirements to develop foundational GIS capabilities and prepare participants for progression to intermediate level enterprise GIS training.

The course covers the following official Esri curriculum components:

- Introduction to GIS Using ArcGIS

- ArcGIS Pro – Essential Workflows

The training provides a structured introduction to:

- Core GIS concepts and spatial thinking applied to broadband infrastructure mapping

- Spatial data models (vector and raster) and attribute data structures

- Coordinate reference systems and projections relevant to national mapping

- Core ArcGIS Pro workflows including data management, visualisation, querying, and basic spatial analysis

- Foundational data quality assurance and validation practices

- Map production and reporting workflows for regulatory and planning purposes

Through guided hands-on exercises using broadband-related datasets (e.g., fibre routes, mobile coverage layers, infrastructure locations, administrative boundaries), participants acquire the technical literacy required to manage spatial data and produce structured mapping outputs.

For more information about the training objectives, target population, entry requirements, methodology, evaluation and content, consult the page [here](#).

How to apply

In order to register for the training, applicants should:

1. Create an ITU Academy account [here](#)
2. Apply for the course [here](#)
3. The selection of participants for the course will be made by the course coordinators, based on the course's entry requirements, selection criteria and available number of seats. If selected, you will receive a notification by email.