

# South Caucasus GIS Workshop

October 21-22, 2022

Location: Impact Hub, Fabrika, 8 Egnate Ninoshvili Str, 0102, Tbilisi, Georgia

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A workshop for scholars coordinated by the American Research Institute of the South Caucasus (ARISC) in conjunction with Endangered Archaeology in the Middle East and North Africa (EAMENA), and the National Agency for Cultural Heritage Preservation of Georgia.

## Day One: October 21, 2022

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- 10:00-11:30am Introductions, overview of workshop goals, technical overview (Ian Lindsay)  
Lecture: What is GIS, types of GIS data & where it comes from; common sources for vector data
- 11:30-11:45am Break
- 11:45-1:00pm Orientation: Let's get started! Getting familiar with the QGIS interface and adding data to map  
Tutorial 1, steps 1-4.2: download vector data, add data to your map (Kristen Hopper)
- 1:00-2:00pm Group Lunch
- 2:00-3:30pm Orientation: Managing GIS Data (Kristen Hopper)  
Tutorial 1, step 4.3: explore vector data sources, begin a collection of layers from your research area
- 3:30-3:45pm Break
- 3:45-5:30pm Orientation: The basic art and science of cartography (Giorgi Khaburzania and Giorgi Burjanadze)  
Tutorial 1, step 4.4: create a basic map in QGIS

## Day Two: October 22, 2022

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- 10:00-11:30am Introducing raster data (K. Hopper, G. Khaburzania, I. Lindsay)  
Lecture: raster data; common types & uses for raster data; where to find it, how to process it
- 11:30-11:45am Break
- 11:45-1:00pm Orientation: Preparing archival maps and photos for use as basemaps (Kristen Hopper)  
Tutorial 2: practice georeferencing
- 1:00-2:00pm Group Lunch
- 2:00-3:30pm Orientation: Multispectral imagery (Ian Lindsay)  
Independent Exercise: explore raster maps, topo maps, CORONA or Sentinel-2 images
- 3:30-3:45pm Break
- 3:45-5:30pm Orientation: Digital elevation model (Ian Lindsay)  
Tutorial 3: download elevation model; learn distance calculations
- 8:00pm Final Group Dinner

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