

.. Workshop

First (big) steps with ArcGIS Online

Based on the concepts of Spatial Data Infrastructures, access to (open) geospatial resources and the increasing prevalence of cloud computing this workshop introduces participants to the ArcGIS Online (<http://www.arcgis.com>) platform serving as a geospatial content management system offering spatial analysis, cartographic visualization and spatial interaction functionality.

The workshop can either be set in a computer classroom environment or announced as a BYOD (bring your own device) event, in any case high bandwidth internet access is required.

Participants will be introduced to the general handling of the ArcGIS Online platform and its mapping facilities. This includes work with a variety of base maps, geocoding and integration of own data leading to the symbolization and design of maps and interactive views. Smart mapping algorithms support the user with a quick path to well designed visuals.

Spatial analysis functionality includes proximity-based operations, spatial interpolation, the identification of service areas and optimal routes as well as data enrichment via overlay and spatial statistical operations, all this in a cloud environment without need for local installations.

Visualisation includes 3D perspective views across different scales (local to global scenes), these as well as 2D maps are fully web enabled and support the development of multimedia story maps and apps. Due to integral responsive design, apps are well suited to field data acquisition, public participation and citizen science.

Participants will complete a tour from simple map design, to data import and data acquisition, through select spatial analyses all the way to designing of story maps and apps (depending on time allocated to the workshop).