

Introduction to ArcGIS Online

COURSE OUTLINE

This practical, one-day hands-on course provides a guided introduction to the workflow in ArcGIS Online (AGOL) for uploading and sharing your spatial data. You will learn how to publish existing data to AGOL, create views, set sharing and group privileges, create a web map that drives data collection and be the foundation to an Experience Builder web application. The

course comprises hands-on exercises each introduced with a short presentation and a live demonstration.

This course is intended for users of ESRI's ArcPro software who wish to improve their technical knowledge and understanding in AGOL, the cloud-based counterpart, to traditional desktop GIS.

By attending training with GeoData you can accrue CPD points towards the Chartered Geographer accreditation. This course has been validated under the Association for Geographic Information CPD Scheme and it has been assessed for Royal Geography Society with IBG (RGS-IBG) Chartered Geographer (CGeog) accreditation (5 hours of CPD points).



ANTICIPATED COURSE OUTCOMES / ACHIEVEMENTS

Aims and objectives

- To widen the delegate's experience beyond traditional desktop GIS.
- Learn about ArcGIS Online (AGOL) and its capabilities.
- Develop the skills required to complete the workflow of uploading data, building a web map and using it to collect and disseminate data through an Experience Builder application.
- Learn to access data stored in AGOL directly with ArcPro.

Learning outcomes - by the end of the course, delegates will understand how to:

- Prepare and upload data from desktop ArcPro to AGOL.
- Create views, groups and set access privileges for hosted feature layers.
- Create a web map, set layer symbology and configure pop-ups.
- Edit a layer and conduct data capture.
- Create an Experience Builder application from the map.
- Access layers in AGOL directly within ArcPro for data analysis.

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Presentations and exercises

1 - Introduction to ArcGIS Online (AGOL)

The AGOL platform
Access
The user interface
Navigating your content
Metadata
Arcade
Web Applications

There is no exercise for this section

2 – Sharing data

Uploading data to AGOL
Signing in
Understanding the workflow
Configure a pop-up
Creating views from hosted feature layer
Coordinate systems and basemaps
Data types

Exercise 2 – Sharing your data to ArcGIS Online

3 – Controlling access

Sharing content within and outside organisation
Create groups and control user access
Creating views from a hosted feature layer

Exercise 3 – Controlling access to data in AGOL

4 – Web maps and map viewer

What is the map viewer:

- Map tools
- Add layers
- Styles & effects
- Filters
- Fields
- Labels
- Pop-ups / Arcade
- Analysis

Exercise 4 – Making a Web Map

5 – Web map applications

Introduction to the many web applications available

- Dashboards
- Field Maps
- Instant Apps
- Story Maps
- Experience builder

Exercise 5 – Making a Web Map Application with Experience Builder

6 – Data capture

What kind of data capture can you do?

Which applications can you capture data in?

Mobile data capture (the right tool for the right job):

- Field Maps
- Quick Capture
- Survey 123

Streamline data capture with purpose built forms

Configure layer settings in AGOL

Exercise 6 – Field data collection

7 – Accessing data in ArcPro

Connect to Portals:

- Your organisational Portal
- ArcGIS Online
- Living Atlas

The Catalog Pane

What can you do with data streaming from a portal?

Exercise 7 – Accessing data in AGOL from ArcPro