Applied GIS for Ecology & Conservation

Maptastic

GIS can be complicated and god knows there's a lot of technical terminology. My two day course focuses on jargon-free teaching to help you and your team develop your skills. Suitable for beginners, folks looking for more in-depth learning, and those of you migrating your GIS processes to open-source tech.

To make it all a bit easier to digest, the two days are spaced out rather than back to back.

Learning outcomes

Getting Started

- Download QGIS and set up preferences
- Introduce GIS concepts
- Key elements of QGIS interface

Creating & Editing Data

- Creating vector data
- Using raster data
- Editing data you've received
- Using attribute tables
- Creating basic forms for data collection

Styling basics

- Understanding & applying different style types
- Common styling for vector & raster data
- Sharing styles & using style files

Raster Data

- Using Raster data
- Sourcing, loading & processing LiDAR
- Using WMS data sources

Quality checking

- Checking the topology
- Checking geometries
- Techniques for creating good data

Sourcing Data

- Sourcing relevant & accurate data
- Checking validity of data sources

Queries & Research

- Using queries on your data
- Perform calculations, filter data and write expressions to analyse your data
- Using the selection toolbars

Storing Data

- Best practise for storing data
- How to share data
- Saving data in different formats

Printing your maps

- Creating layout templates
- Layout essentials
- Printing & sharing your map

Further Resources

- Terminology cheat sheet
- Further learning resources
- List of open-source data for the UK

Georeferencing

- Using the Georeferencer tool you'll load in a site PDF to digitise from
- Use the PDF manipulation tool to scale & rotate PDFs
- Loading DXFs, transforming & common troubleshooting

Biodiversity Net Gain

- Create habitats using the BNG template
- Edit the template to make data collection more streamlined
- Export calculations

Plugins

- DXF importer
- Using FSC toolbox
- Checking and fixing topology & geometry

Course pre-requisites

- No prior knowledge of GIS is required but you should be comfortable working with computers and navigating file systems
- A laptop with QGIS installed (instructions will be provided prior to the course)

What you'll recieve

- Instructor led training in-person or online
- Full instructions on installation and set up of QGIS will be provided ahead of the course
- Sample data for you to keep
- Up to 6 hours of email/zoom support post-course*
- 100+ page full colour step by step instructional booklet & learning exercises
- Template for A4 map layout for you to keep
- Certificate of attendance

How to book your course

Public course dates are regularly published on the website (https://www.maptastic.co.uk/book-online).

Private course dates can be arranged for your team at no extra cost, simply use the contact details below to let us know your needs and I'll be in touch to organise your course. In person courses will have travel charges.

Looking for something else?

Are you looking for specific learning outcomes for your team? I will work with you to tweak an existing course or create exactly what you need to use QGIS in your workflows and hit the ground running.

Check out the bespoke & tailored courses I've created
www.maptastic.co.uk/bespoke-and-tailored-courses

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*support on course materials only