

Applied GIS for Ecology and Conservation

Online or in-Person (2 days)

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 & start using QGIS
- Introducing GIS concepts
- Key elements of QGIS interface
- Customisation, settings & CRS

✂ Creating & Editing Data

- Creating vector data
- Editing data you've received
- Using attribute tables & the field calculator to create data

▣ Raster Data

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

🖌 Styling Your Data

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

⚙ Plugins

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

📁 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

📄 Habitat Mapping

- Creating report ready outputs
- Creating layout templates
- Layout essentials & creating layered PDFs
- Printing & sharing your map

Further Resources

- Terminology cheat sheet
- Further learning resources

Biodiversity Net Gain

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

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
- Full instructions on installation and set up of QGIS will be
- provided ahead of the course
- Sample data & tailored BNG template for you to keep
- Up to 3 hours of email/zoom support post-course**
- 150+ page full colour step by step instructional booklet PDF & learning exercises
- Template for A4 map layout for you to keep

**Online courses delivered via Zoom or Teams*

***support on course materials only*

Georeferencing

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

How to book your course

Public course dates are regularly published on the website:

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.

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

maptastic.co.uk/bespoke-and-tailored-courses

