Applied GIS for Ecology & Conservation

Maptastic

This 2 day course is perfect for ecologists & people working in the environment sector. Across two days you'll learn the fundamentals of GIS that you can confidently implement in your work. Your filly illustrated step-by-step workbook and course exercises use typical environmental sector datasets and by the end of the course will have produced several report ready maps. This course is suitable for beginners and those wishing to increase their skills, or for those migrating to Open Source technology from proprietary products.

Program Details

2 full days

Getting Started

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

Creating & Editing Vector 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

- OSM place finder
- Using FSC toolbox
- Other recommended plugins

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

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

Biodiversity Net Gain

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

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 can be arranged for additional travel costs.

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 via Zoom or Teams
- 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
- 100 page full colour step by step instructional booklet & learning exercises
- Template for A4 map layout for you to keep
- Certificate of attendance.

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

Get in touch

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