

For training in ArcGIS..... Ask Fugro



Fugro Data Solutions is pleased to present a unique course entitled 'GIS Basics for Geoscientists', which aims to help understanding of GIS concepts, and introduces ArcGIS* functionalities. By making use of data relevant to petroleum geology and geomatics throughout the course, geoscientists acquire a better understanding of the context in which these datasets and technologies are used.

Course Title: GIS Basics for Geoscientists

Course Aim: The course introduces the basic concepts of GIS, and explains how and where GIS is used in the E&P lifecycle. Data conversion between CAD and GIS formats, and mapping techniques are also covered. Participants will be introduced to the ArcGIS suite of products and ArcGIS 9.x technology.

Who Should Attend: Geoscientists, Data Managers, Data/CAD Technicians who plan to use GIS. This is a foundation course for the next level course 'ArcGIS for Geoscientists'.

Course Content:

Topics covered during the 2-day course include:

- How to use GIS in day to day work
- The basic mapping components (feature, geographic coordinate systems, latitude and longitude)
- How to create GIS maps using E&P data (well data and seismic data) and visualise GIS data using ArcCatalog
- How to create a layer and change the layer properties using ArcCatalog
- Preview GIS data (spatial and attribute data) and meta data
- How to browse shapefiles and identify GIS data in ArcCatalog
- How to convert a text file into tabular data and spatial data
- Data conversion facilities and data management tools in ArcTools (CAD and DGN files)
- Importing data from other systems
- Merging data from multiple shapefiles with same geometry into a single shapefile
- Mosaicking multiple input raster data into a single raster dataset
- Creating a raster catalogue and storing raster datasets
- Mapping functionalities using ArcMap-like map scale settings and map display settings
- Measuring and setting up the map display units
- How to create a grid map and export a specific scale range
- Working with layout templates and plotter settings

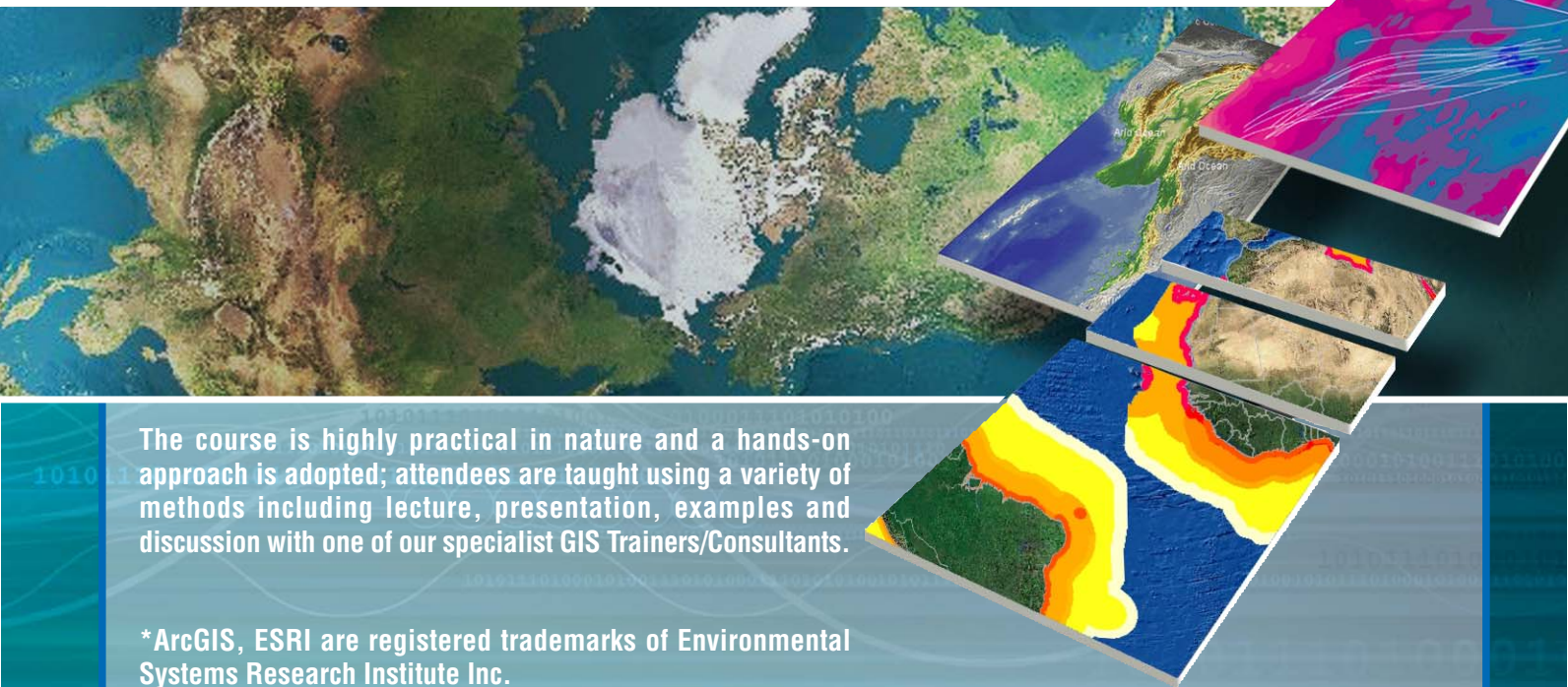
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Course Details:

Participants in this hands-on course will:

- Gain an understanding of how and where to use GIS
- Learn about different types of map features and spatial relationships
- Manipulate and generalise data, and design and construct a GIS map
- Gain an understanding of the basics of spatial referencing
- Learn different types of map grids (or coordinate systems)
- Become familiar with map creation and data conversion tools/techniques

An aerial photograph of a coastal region, likely the North Sea, with several semi-transparent GIS map layers overlaid. One layer shows a pink and blue pattern, another shows a yellow and orange pattern, and a third shows a green and blue pattern. The layers are slightly offset from each other, creating a 3D effect.

The course is highly practical in nature and a hands-on approach is adopted; attendees are taught using a variety of methods including lecture, presentation, examples and discussion with one of our specialist GIS Trainers/Consultants.

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