



“We’ve been very impressed with this training, which is clearly set out in several stages. We love the way [Intetics] teaches. [Intetics] helped us understand GIS concepts, but also ArcGIS for Desktop and QGIS. We now have two more tools that will help us perform our work. Thank you.”

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ONE OF EUROPE’S LARGEST WETLANDS STRATEGICALLY PRESERVES TERRITORY DUE TO SPECIALIZED TRAINING FROM INTETICS

OBJECTIVE

To train the employees of a large wetlands reserve to leverage GIS technology and apply it in the context of biosphere preservation.

CHALLENGE

The Danube Biosphere Reserve, one of the leading organizations focused on preserving animal and plant life around the river Danube, needed focused GIS training. The training would ideally have to be tailored for a specific group of experts in the natural and environmental protection field.

The Reserve is one of the largest wetlands consisting of reed beds, water channels, numerous lakes, flooded forests and remnants of steppes. It has a total area of 4,180 km², an area which needs to be managed and preserved strategically. One of the best ways for the Reserve to continue their preservation work is to leverage latest IT systems, including integration of GIS technologies.

The Reserve had a staff of scientists and researchers, but they wanted to improve their staff’s

understanding GIS technologies and provide tools for them to use these technologies in their daily work. They were looking for a technological partner who would teach them about GIS, so they could develop, implement and monitor the Reserve’s territory using the latest technology.

SOLUTION

The non-profit organization turned to Intetics to train their staff on using the needed GIS concepts and technologies, including ArcGIS for Desktop and QGIS for Desktop software. These technologies will be applied in their specific fields of environmental protection and nature conservation. Intetics leveraged its 5 years of training and commercial GIS experience to provide a specialized, custom GIS course.

Intetics consultants worked with the client to identify the staff’s particular training needs. They then developed a tailored solution that aligns precisely with the client’s goals and business focus. The main goal of the course was to provide a framework for using GIS tools and empower current and potential GIS community members to

THE COURSE FORMED A BASIS FOR LEVERAGING GIS TECHNOLOGY IN MANAGEMENT OF THE RESERVE'S VAST TERRITORY

become proactive spatial thinkers. Client's staff was encouraged to visualize their data, improve decision-making with relevant data support, and deliver public and private services using GIS tools.

After Intetics consultants defined all the training needs, Intetics teaching staff developed a custom training program based on the client's requirements, blending the subject of natural and environmental conservation with professional experience in GIS.



RESULTS

Intetics provided a complete training solution for the Danube Biosphere Reserve that was relevant and cost-effective. It was designed and taught by working GIS professionals, delivering exceptional value to participants. The Reserve's staff will be able to leverage GIS technology in the future management of the Reserve's vast territory.

By the end of the course the participants were able to:

- Identify, locate, and acquire spatial data pertinent to projects in their field of interest, as well as pinpoint significant gaps or problems with existing information.
- Evaluate the appropriateness of the existing data sources for use in a project.
- Understand the data creation process and create simple data sets and/or add to existing data.
- Create spatial data from tabular information that includes a spatial reference.
- Perform basic spatial analyses (attribute and spatial queries, buffering, overlays), as well as link these methods together in a more complex analytical model.
- Create high-quality maps, associated graphics, and text that clearly communicate spatial information and analyses.