

E-learning course – AQUASURVEY

Course introduction and structure

AQUASURVEY is a software to manage field campaigns for data collection. AQUASURVEY supports users through all the necessary steps to carry out field data campaigns such as: the design of the survey, the management of the field operators, the collection of data using mobile devices, and the integration of data collected in GIS or statistical software. This process does not need an Internet connection during data collection. In fact, the mobile app includes several offline options to overcome Internet connection problems or absence during the implementation of field campaigns.

This tool allows to monitor and geo-reference ongoing survey, and to integrate data collected by different surveyors. It can also produce customised graphs and statistics, which can provide an overview of collected datasets through automatic reporting.

The AQUASURVEY consists of two components: one desktop component for designing the survey, assigning the work to surveyors and managing results; and a mobile app for Android devices for carrying out the actual data collection in the field.

AQUASURVEY is an open-source application, developed with European Union funding, and is free of charge.

Structure of the e-learning course

The e-learning course is structure as follows:

- Document 0 - This document as introduction to the course
- Document 1 - A theoretical presentation on how to design field surveys with questionnaires with elements of statistics (this is optional)
- Document 2 - A presentation on how to use the different components of the software to accompany the video tutorials
- Document 3 - A detailed manual for reference
- 7 video tutorials:
 1. An intro to the software
 2. Desktop component – settings
 3. Desktop component – managing users
 4. Desktop component – creating surveys
 5. Desktop component – deploying surveys
 6. Mobile app – data collection
 7. Desktop component - reporting and exporting results

- A detailed manual for reference