ArcGIS Extension

WATER RESOURCES MANAGEMENT

Optimal Integration of Geographical Data.

SURFACE WATER MONITORING | METEOROLOGY | FLOOD FORECAST | WATER QUALITY | DISCHARGE MEASUREMENT

The WISKI ArcGIS Extension is an extension for your ArcGIS software. It serves to provide access to WISKI data – including the option to load data directly to your ArcGIS session. The highlight is the barrier-free integration into GIS. For example, you have the option to load current values as symbols for a specified time series group directly within the ArcGIS session. You can also digitise and adapt station coordinates on the basis of available background maps if no measured coordinate information is available.

Station display and digitisation

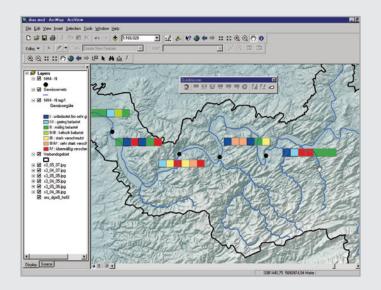
The following functions are available on a station level:

- Load and display stations plus additional station data in a shapefile
- Update displayed data
- Digitise stations that have not yet been geo-referenced
- Shifting an already digitised station

Communication between ArcGIS and WISKI

Once running simultaneously, the two programs are able to communicate with one another. You can exploit the advantages of both software systems, and still have the option to switch back and forth between the programs seamlessly according to your workflow. The following functions facilitate this process:

- Call up the map via WISKI Explorer with "Display station on map"
- Call up WISKI Explorer from the map with "Display station in WISKI"
- Call up WISKI time series graph from ArcGIS
- Call up WISKI table from ArcGIS



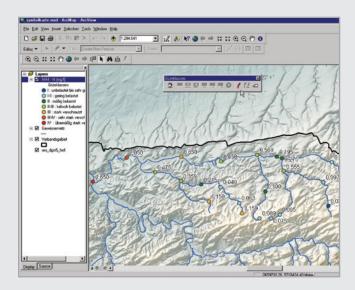


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Time series data display

In addition to the stations themselves, concrete data from several time series can be loaded into the ArcGIS session simultaneously as maps. For example, you can call up current values as symbols for a defined time series group within the ArcGIS session. Options:



- Filter dialogs to select stations, parameters and time series
- Saving time series as a time series group for rapid access at a later time
- Load data as a shapefile into the current session; a great deal of WISKI data is thus available for subsequent analysis, e.g. value, time, status, parameter, unit, station name, station number, time series name, etc.
- Automatic classification according to an optional classification procedure and colour graded display
- Additional integration of a previously saved legend file

Water quality display

Diagram maps can also be created, in addition to standard data displays with simple symbols. These diagram maps display the several value states of one station simultaneously using complex box symbols. Furthermore, coloured band displays are available for the creation of band maps. Diagram and band data are made available as a shapefile and can thus also be used for information exchange.

Progress and success in water management:

With the ArcGIS Extension and the competence of pioneers.

