

# Recording Data in the Field

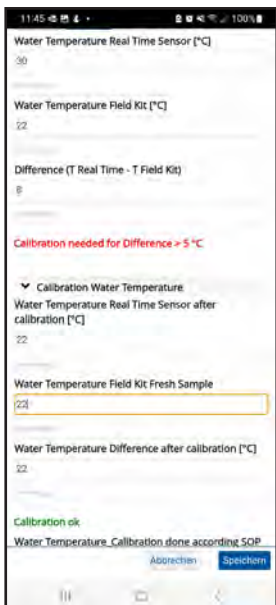
Hydrology | Meteorology | Groundwater | Dam Monitoring

**Manual measurements – recorded on site during field visits** – still play an important role in the measurement of environmental data, despite increasing automation. Nor can this type of measurement be dispensed with, if it is essential that people use their own senses to grasp the situations at the stations and evaluate the data. Mobile devices – smartphones, tablets, and notebooks – help facilitate and complete the collection of valuable data and findings from field surveys.

## Field Visits:

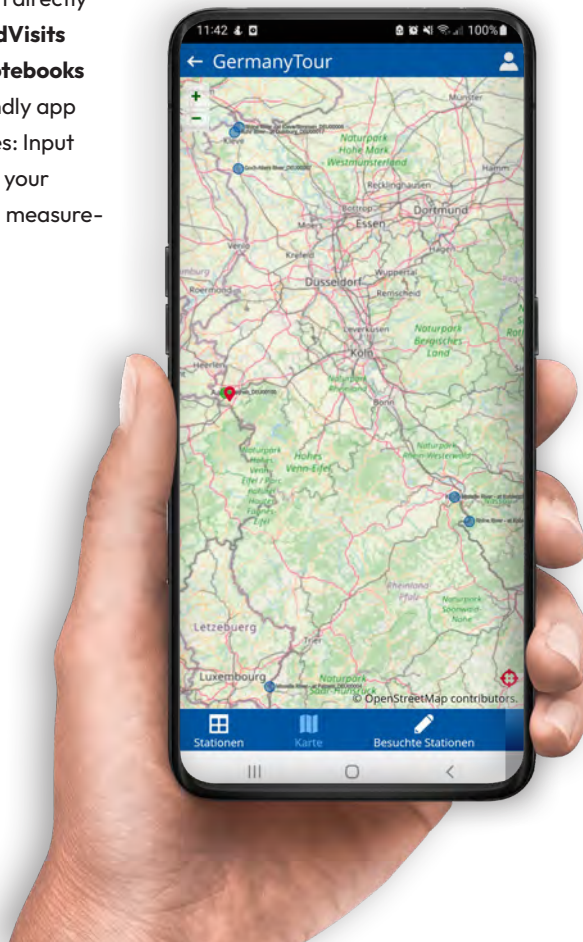
### On-site monitoring, assessment and recognition in time

KISTERS FieldVisits is a **mobile application** that allows users to enter all types of measurement data and site information directly into a single platform on site. **FieldVisits thus completely replaces your notebooks and spreadsheets.** The user-friendly app follows your workflows and policies: Input forms are flexibly customizable to your needs, measured parameters and measurement point types.



FieldVisits is ideal **for all types of discrete monitoring programs**, which measure a variety of parameters over a long period. Customers use FieldVisits e.g. for

- Gauging and discharge measuring stations
- Dam monitoring
- Monitoring of groundwater networks, pipes and wells
- Acquisition of weather parameters at climate stations
- Recording of samplings and their field parameters on site
- Documentation of maintenance and repair



## Benefits

### Offline work without network connection

- Recording and storage of present monitoring information in a local database
- Immediate data transmission if in signal

### Near real time data transfer

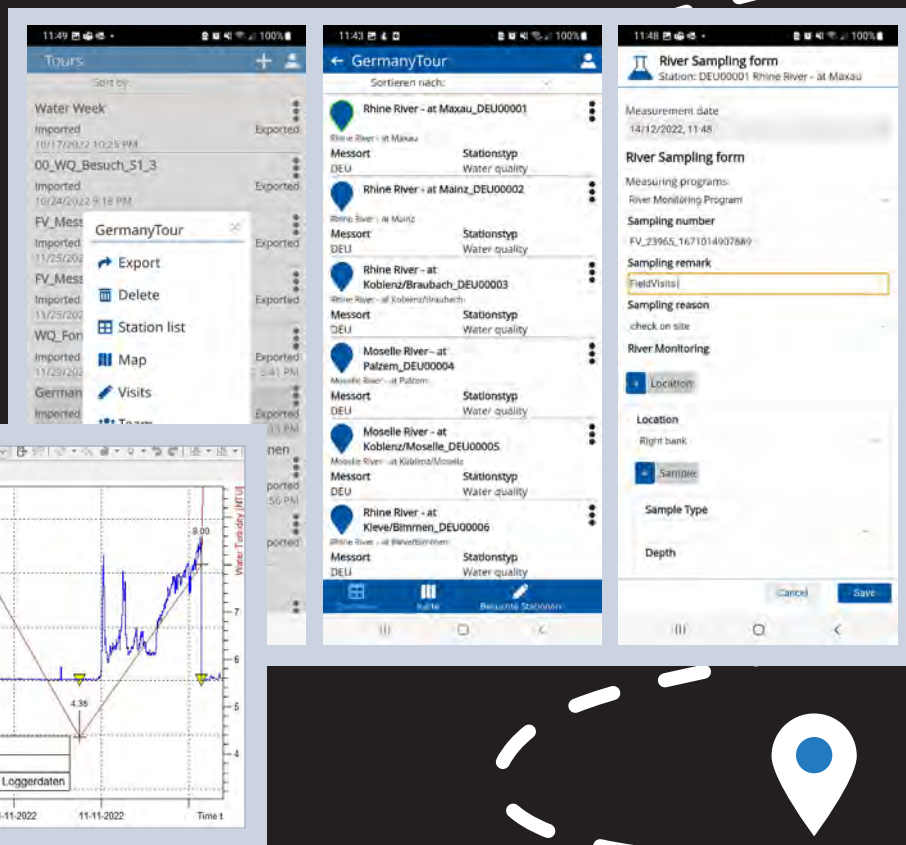
- Minimize potential for data loss
- Fast information during extreme events
- Various options for transferring the data directly from the field or in the office at the latest

### Optimized measurement tours, time and cost savings

- Identification of measuring points via GPS
- Start and interruption of measurement tours or station visits flexibly at any time, adjustment of the order of a tour, start another measurement tour in the field, etc.

### Less input errors

- Warning message in case of threshold exceedance
- Own validation rules



## Benefits



### Efficient maintenance plans

- Document the quality of your monitoring sites with photos
- Calibration checks at sites



### Seamless integration

- Automated and bidirectional data exchange with WISKI (KISTERS' data management system)
- Data exchange with external data stores via open interface using simple CSV files or structured XML

## Features at a glance

FieldVisits combines **state-of-the-art technologies**, **user-friendliness**, **hydrological know-how** and **IT expertise** in order to efficiently enter values on site.

This means for you:

- Easily create your user-defined forms in WISKI
- Create attributes that are only visible under certain conditions
- Localize your stations with GPS
- Record numeric values (readings)
- Record boolean, keylist and free text (observations)
- Take photos
- Use the graphical visualization of the last measured values at this measuring point
- Automatically calculate results from entered source values for e.g. weirs, absolute heights, etc.
- Receive warnings in case of thresholds exceedance
- Technology:
  - Communication via mobile data connection, GPRS, Bluetooth, WiFi or s/FTP
  - Seamless integration and data storage in KISTERS WISKI
  - Available as standalone version based on MS Excel
  - Available for MS Windows, Android and iOS

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