Data collection via voice control

How is scientific data recorded?

1) **Data Collection** ➡ 2) **Digitalisation** ➡ 3...i) **Processing**

Scientists collect data by filling out paper protocols

Manually transferring data into a digital format (e.g. typing into Excel/Acess)

O2A solutions: Ingest, Dashboard, Analytics PANGAEA
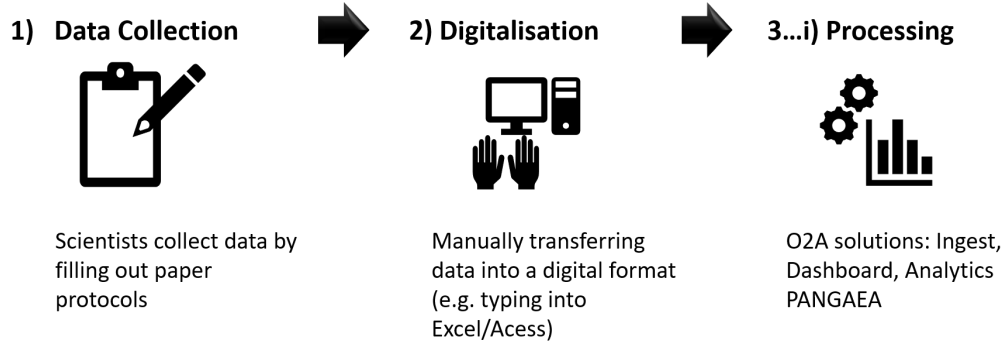
Downside:

- **inefficient** (much time and people required)
- **prone to error** (handwritten notes, transcribing…)
- high risk for **Data cementries** (Scientist leaves institute without having digitalised the data)

Solution: Digital Data Acquisition (e.g. via voice recognition software)

Advantages:

- **Digitalisation of data during collection**
- **saves time and reduces transcription errors**

Demo video using Smatrix to collect fish survey data

(**pls click on the panel below to play video**)

Smatrix_...o_EN.mp4
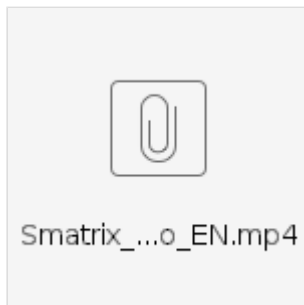
Smatrix product website (https://dawin.de/de/meldungen/smatrix-agroscience-android)

For further information please contact o2a-support@awi.de