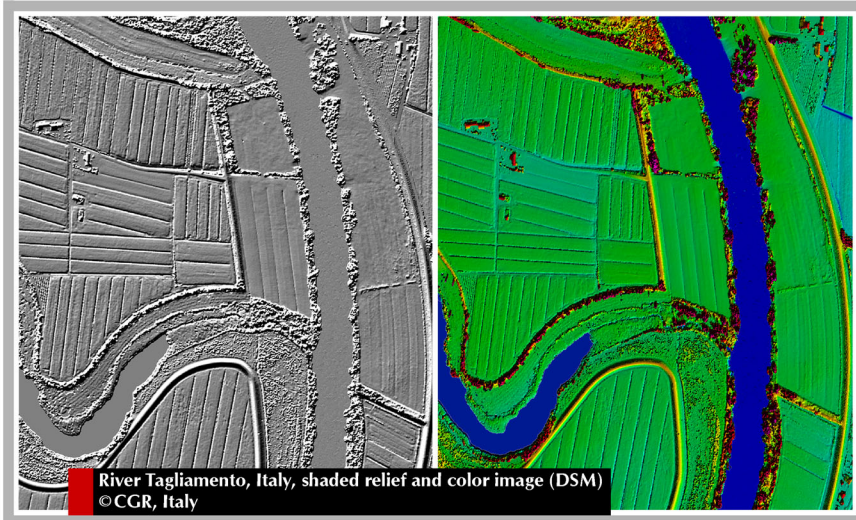


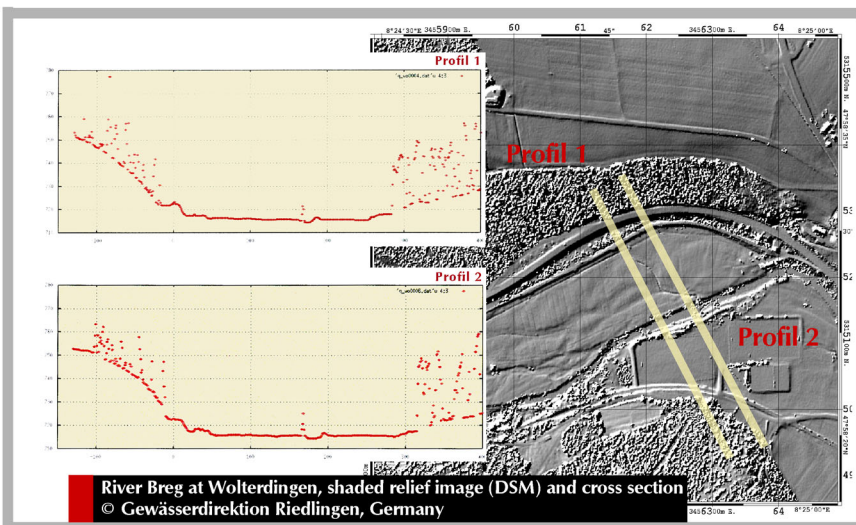
LIDAR - APPLICATIONS

Flood Protection and Hydraulic Simulations



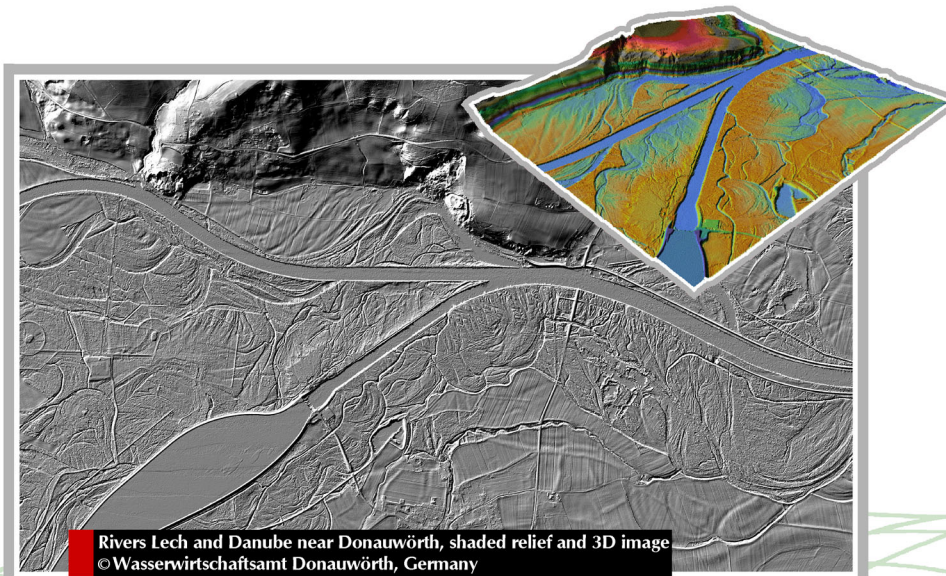
TopoSys high resolution surface models (DSM) of river basins serve as basic data set for:

- environmental protection and renaturation of floodplains
- acquisition of drainage channels
- the monitoring of dikes



Extraction of profiles for 1D simulations and delivery of elevation data for 2D simulations with the objective of:

- simulation of water flows and floodplains
- supporting plans for disaster prevention



TopoSys terrain model (DTM) of river catchments for:

- flood protection
- hydraulic and hydrologic surveys
- definition of potential flood regions