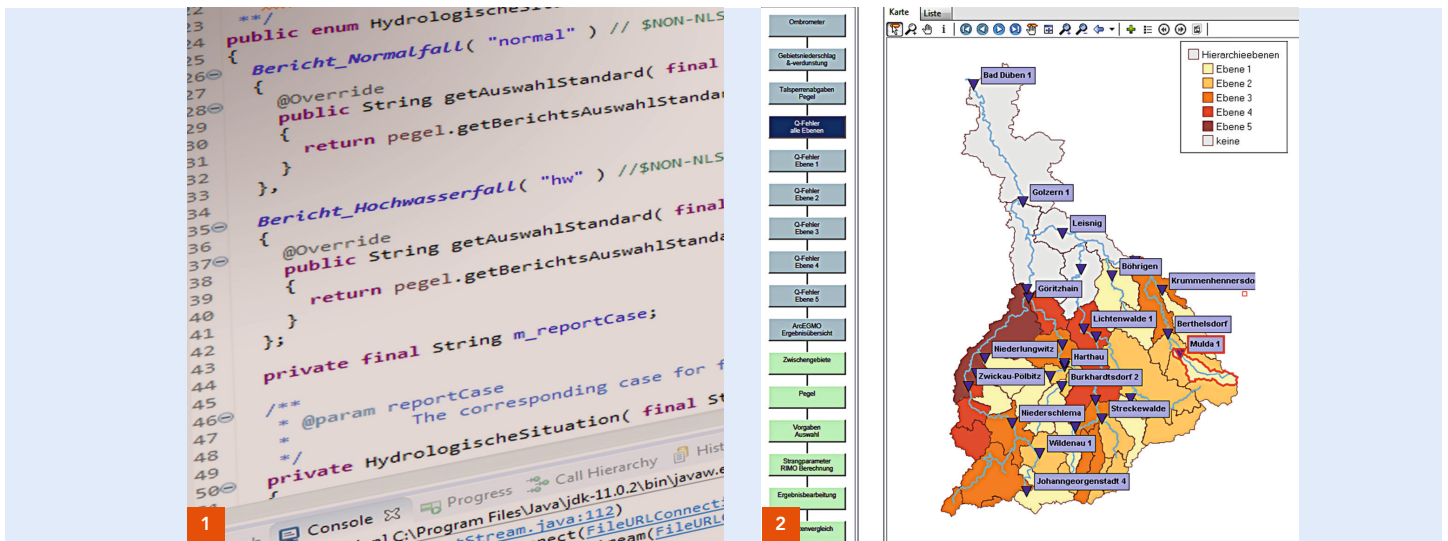# Software Development

Our engineering firm has been developing software for everything pertaining to water and the environment for more than 20 years.

Our strength lies in the development and implementation of custom-tailored software solutions for water resources management, the environment, and disaster prevention. This includes our Kalypso modeling system. We also offer support for external systems such as WAVOS, FLYS, IN-FORM, and FEWS.

In addition to numerical and geometric algorithms and the conception and implementation of database applications, we utilize web-based content management solutions and develop complex flood forecasting systems.

We give special attention to the user-friendly design of pre- and post-processing interfaces for numerical modeling. In the process, the developers maintain a close dialogue with our in-house users: We conceive, develop, and test our software products with a deep understanding of their practical application.

Our services range from planning and the accompanying analysis of requirements it requires as well as the compilation of functional specifications to detailed conception and prototyping to the professional implementation of comprehensive software solutions and/or distributed programming systems (three-tier architecture).

Of course we also offer practice-oriented training with individual support.

Tools

- Java, PHP, Python, Delphi, C++
- Eclipse
- Visual Studio .Net
- Apache
- PostGIS / PostgreSQL
- Typo3
- Oracle, Ingres, MySQL

1 **Software Development**

2 **In-House Development: Kalypso**
   Program system for flood forecasting