

## **Groundwater Checklist – Metadata tool for groundwater protection and interaction**

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Groundwater pollution prohibition (Environmental Protection Act and Water Act) covers all groundwater. The aim of Groundwater Checklist is to enhance the groundwater protection, prevent groundwater contamination and ease the groundwater risk management.

Groundwater Checklist is a documentation and communication tool for companies, government agencies and consultants. The checklist includes information of hydrogeological structure and interaction of groundwater and surface water, managing the groundwater flow pattern and transport of contaminants. Main documents are the metadata table and the table of methods.

Groundwater Checklist improves document management, clarifies the basis of conclusions and helps finding suitable research methods. It introduces various suitable ways to acquire the needed groundwater information. With the Checklist, companies can assemble and present all groundwater studies that have been done in their project together with all the methods that have been used and also document the investigations that are planned to be made in the future. The Checklist can be used as an advisory list to ensure that all the important knowledge of groundwater issues has been appropriately investigated.

Groundwater Checklist can be employed in all stages of an industrial facility's life cycle. The Checklist is applicable to groundwater at risk by any human activities.