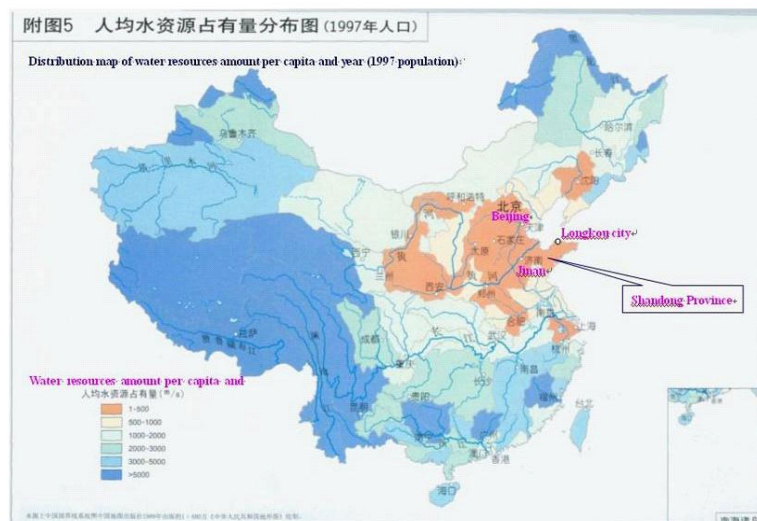


# CHINA - Jinan

## Water Resource Management in the Coastal Area of Shandong



Regierungsbaumeister  
**SCHLEGEL**



### Client

Forschungszentrum Karlsruhe  
[Karlsruhe Research Centre]  
Project Executing  
Organisation for FMER  
Bundesministerium für Bildung  
und Forschung [German  
Federal Ministry for Education  
and Research]

### Period

since 2008

### Project Cost

not specified

### Abstract

Shortage and pollution of waters represent a severe problem in the coastal area of the province Shandong, which in turn effect the socioeconomic development, life quality and the environment. Above all, Shandong and the river-shed of Huangshuihe, in particular, are sources of water conflicts, arising from rapid population-, industrial- and agricultural growth as well as lack of a coordinated water management. Another problem at issue, beside water shortage and pollution of water reserves, is ingress of the sea water into ground water resources. The study surveys possibilities of reducing the water consumption, storage and usage of stormwater, reuse of domestic and industrial wastewaters as well as improvement of the water management system to prevent ingress of the sea water.

### Scope of Service

### Technical Data

research  
joint project

Survey area	1,043 km <sup>2</sup>
Entire area	156,700 m <sup>2</sup>
Average annual discharge	226 million m <sup>3</sup>
Evaporation	1,300 mm/a
Inhabitants	90.9 million PE