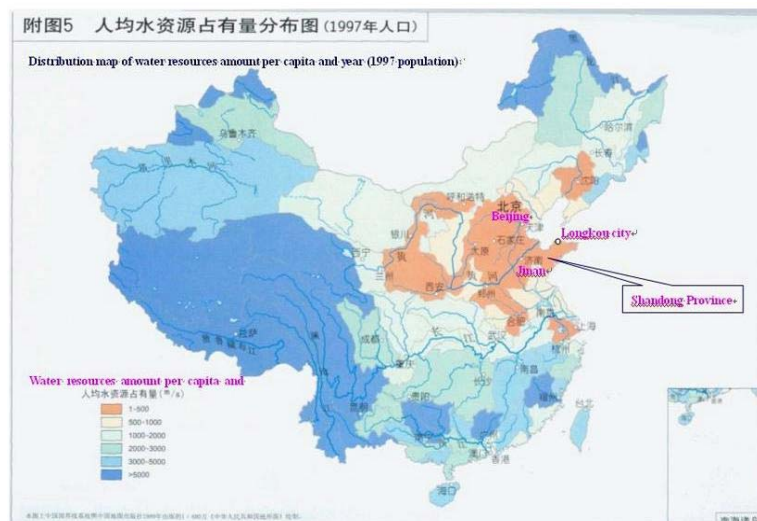


# CHINA - Jinan

## Water Resource Management Coastal Area of Shandong



Regierungsbaumeister  
**SCHLEGEL**



### Client

Federal Ministry for Education  
& Research

Karlsruhe Research Centre  
Project Executing  
Organisation for FMER

### 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. Beside water shortage and pollution of water reserves, another problem at issue 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

research  
joint project

### Technical Data

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