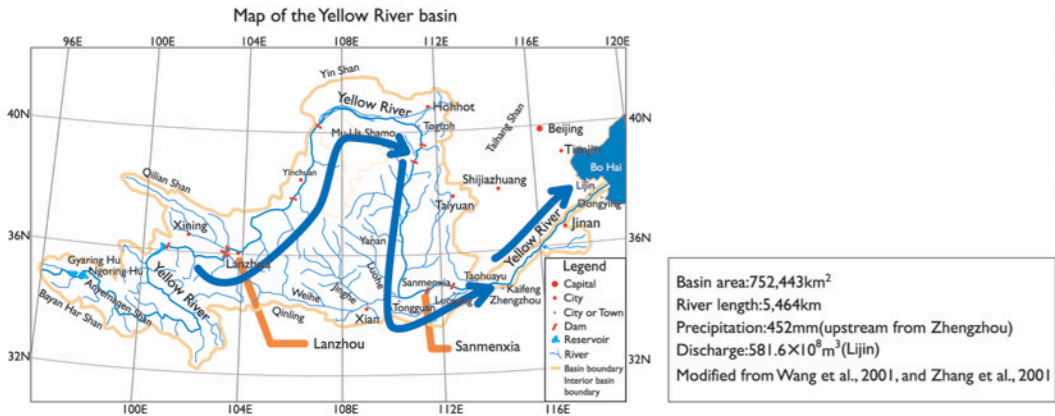
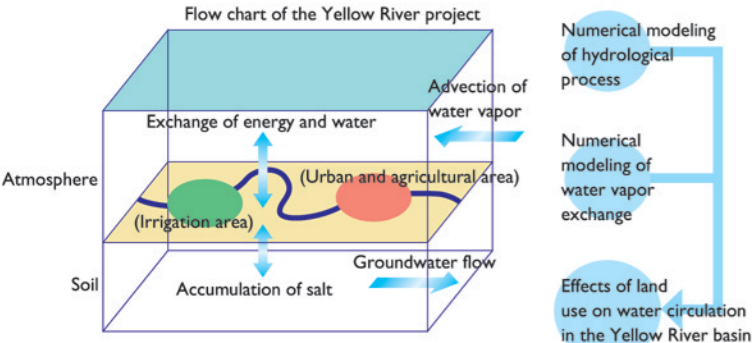


# Overall Research Framework

Implementation period of the Yellow River project is 2002-2007



Basin area: 752,443 km<sup>2</sup>  
River length: 5,464 km  
Precipitation: 452 mm (upstream from Zhengzhou)  
Discharge: 581.6 × 10<sup>9</sup> m<sup>3</sup> (Lijin)  
Modified from Wang et al., 2001, and Zhang et al., 2001

## Objectives of the project

The Yellow River does not reach often to the Bo-Hai Sea since the 1990's. The recent crisis in the Yellow River basin is complicated because of a combination of natural climate fluctuation, global warming and changes in land utilization. This research aims at enhancing knowledge for planning countermeasures in the Yellow River drainage basin through the contribution of several collaborating scientists belonging to various fields under international collaboration with the Chinese Academy of Sciences and IGBP community.

## This research project consists of

- (1) The Yellow River project of RIHN (Research Institute for Humanity and Nature), Inter-University Research Institute, Ministry of Education, Culture, Sports, Science, and Technology (MEXT), Japan, and
- (2) "Development of Simulation Models for Hydrology and Water Resources" which is subject No.6 of "Coexistence of People, Nature and the Earth (RR2002)", the Revolutionary Research Project of MEXT

## This research project is implemented by a joint research group of the following institutes.

Research Institute for Humanity and Nature (RIHN), Chinese Academy of Sciences, Ocean University of China, and collaborations with Hydrospheric Atmospheric Research Center (HyARC) of Nagoya University and Hydrological Cycle Research Program of Frontier Research System for Global Change (FRSGC)



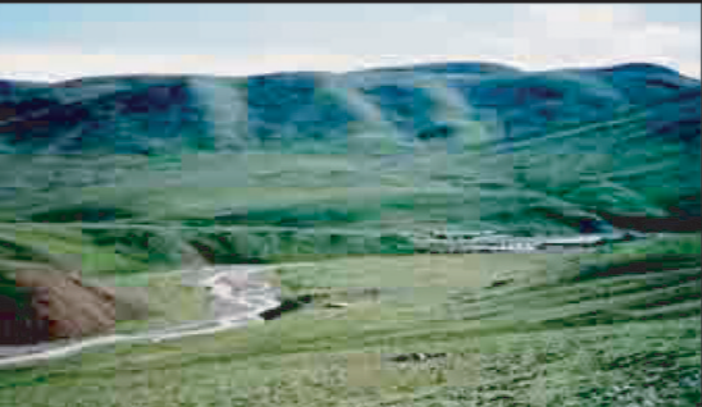
# Research Project THE YELLOW RIVER STUDIES

on  
Recent Rapid Change of Water Circulation in the Yellow River  
and Its Effects on Environment  
and  
Model Development for the Hydrology and Water Resources  
in the Yellow River Domain

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Grassland



Farmland



Reservoir



Town



Desert



Forest



The Yellow River domain is now facing water crises under the climate and human pressures. Expected results can be applicable globally for humanity and nature.