

Mouri laboratory

[Development of Future Water Usage System]

Department of Human and Social Systems

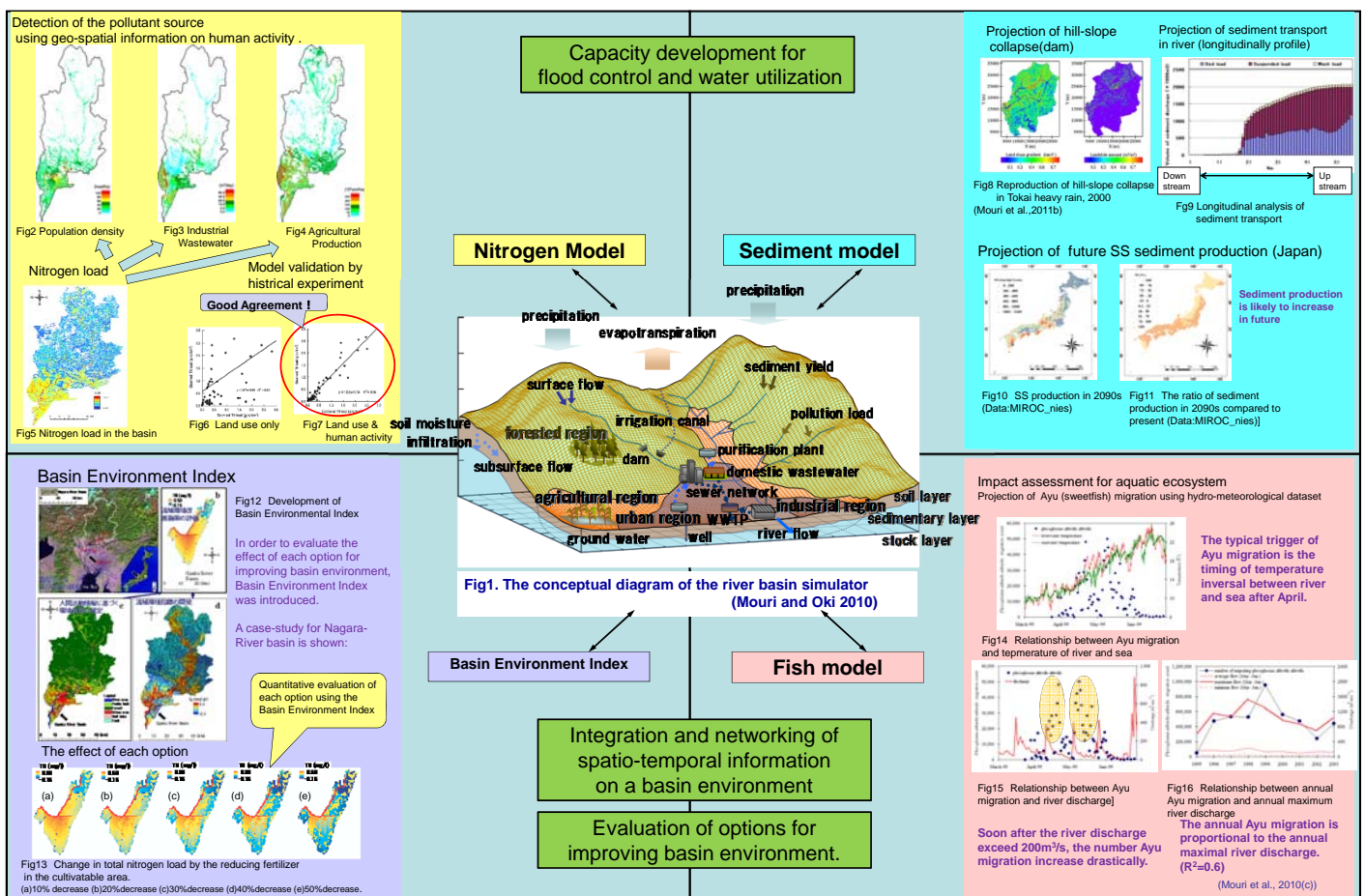
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Environmental Ecology, Hydrology and Modeling

Department of Civil Engineering

Development of Future Water Usage System

Our task is to develop a river basin simulator based on geo-spatial information such as geographical data, precipitation, air temperature, river water temperature, and land use data. The river basin simulator has been developed in order to reproduce the historical pollutant load variations in a basin and then to project the future situation. The goal of our study is to understand existing water-related problems and to solve them by applying the developed simulator to river basins all over Japan.



Education and Outreach Activity for better understanding of the characteristics and problems of the basin environment

Reconstruction of forestry
Novel management of forestry

Improvement of habitat environment
Development of the environment-friendly urban system