Bog (高層湿原)

Fen (低層湿原)

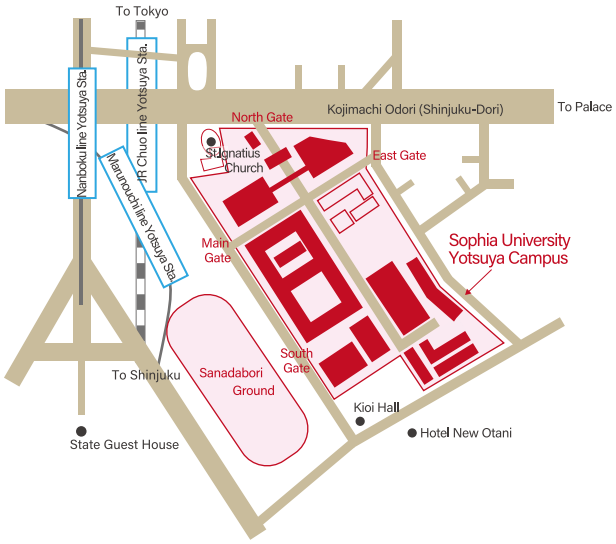
Wetland in arid region

Tidal marsh

The primary focus is to establish a next generation framework of river basin governance with new concepts and to develop new guidelines of river basin management accordingly. The ultimate goal is to contribute to achieving SDGs at watershed scale.

Project features include probing into environmental problems from macro and micro perspectives, dealing with both engineering and regulatory aspects, targeting both wet and dry regions, exploring solutions for both disaster reduction and ecosystem conservation, combining economic development with environmental ethics, and having research fields in both developed and developing countries.

The project is implemented under the leadership of the President of Sophia University.



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Sophia University Research Branding Project

Trans-disciplinary and Trans-national Research Program for Achieving Regional Sustainable Development Goals(SDGs) through River Basin Environment Conservation and Management

ISGE 上智大学 地球環境研究所
Institute for Studies of the Global Environment

Sophia brings the world together

Water links the three pillars of sustainability

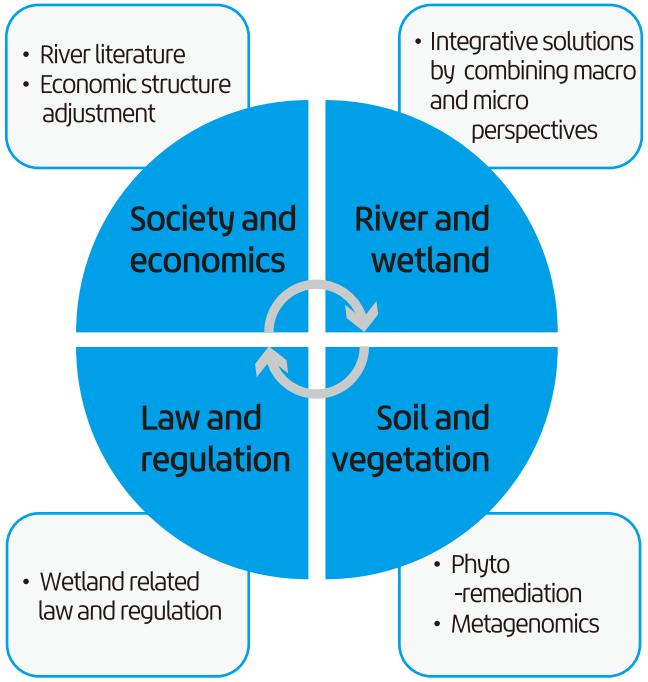
A focal point

Development of Integrative River Basin Science and Management through better understanding and innovative use of wetlands.

A Trans-disciplinary, Trans-national, Trans-cultural Approach

Culture shapes the way we see the world and influences our way of living and acting.

Project Organization Diagram

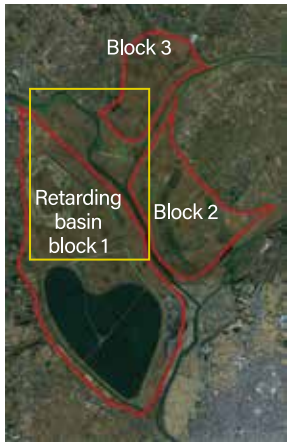


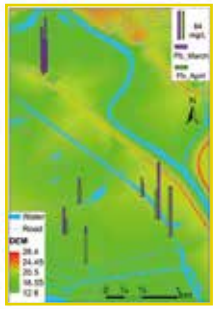
Research fields

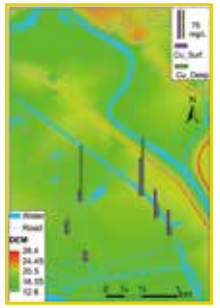
Water Environment Evaluation based on phytoplankton composition

Watarase Retarding Basin

Investigation of heavy metal concentrations in soil and reeds







Soil heavy metal concentration map (Pb and Cu)

Outcomes published in high impact international journals such as:

The premier publication for environmental systems analysis

Journal of Environmental Informatics

SCI Impact Factor: 5.562

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