

Special Graduate Program on River Basin Environmental Sciences, University of Yamanashi, Japan

1. Outline

The Interdisciplinary Centre for River Basin Environment (ICRE) was established as a research institution of University of Yamanashi, Japan in 2007. To foster young generation based on the ICRE's research resources, master's and doctoral programs on river basin environmental sciences were launched in 2009 and 2003, respectively. The program students aim to understand the diversity of given regions and communities, identify area-specific environmental and water issues, and implement practical solutions. A total of 77 master's students and 68 doctoral students from 17 countries have graduated to work as environmental experts over the world (as of April 2020).

2. Supervisors

I: Hydrology & Climate Change

ISHIDAIRA Hiroshi (Prof): hydrological modelling, water resources, remote sensing.

SOUMA Kazuyoshi (Assoc Prof): extreme weather forecast, urban activity information, meteorological and hydrological modelling, artificial intelligence

MAGOME Jun (Assoc Prof): hydrological modelling, Remote sensing, climate change, GIS

II: Water Chemistry & Pollution Analysis

NISHIDA Kei (Prof, Director): nutrient cycle, health impact

NAKAMURA Takashi (Assist Prof): groundwater and river water quality, tracer hydrology

III: Microbiology & Environmental Technology

HARAMOTO Eiji (Prof): virology, microbial source tracking

TOYAMA Tadashi (Assoc Prof): wastewater treatment, biomass production

KAMEI Tatsuru (Assist Prof): wastewater treatment

IV: Social, Economical & Medical Assessment

MUTO Shin'ishi (Assoc Prof): microeconomics

NAKAO Atsuhito (Prof, Dean of Medicine): immunology

YAMAGATA Zentaro (Prof): social medicine

YOKOMICHI Hiroshi (Assoc Prof): social medicine

NISHIDA Kei: public health, wellbeing, resource management

3. Cooperation and collaboration with JICA and other institutions

- Universities for Development Studies (JProUD) supported by JICA, 2018 –
- Erasmus Plus “International Exchange for Graduate Students” with L'Université de Pau et des Pays de l'Adour (FRA), 2019 –
- Overseas Training Program supported by ICRE, University of Yamanashi with University of Newcastle (AUS), Asian Institute of Technology (THA), etc.
- Accelerating Social Implementation for SDGs Achievement (aXis) Project supported by JST with Nepal and University of Ghana, 2020 –

- SATREPS Project “Hydro-microbiological Approach for Water Security in Kathmandu Valley, Nepal” supported by JICA and JST, 2013 – 2019

4. Scholarships for international students

- Priority Graduate Program “International Program for Realizing the Sustainable Development Goals in Asian and African River Basins” supported by MEXT, Japan, 2020 –
(Full type for master’s course only. Ghana, Nepal and Vietnam in 2020)
- Master’s Degree and Internship Program of African Business Education Initiative for Youth (ABE) supported by JICA, 2019 –
(Full type for master’s course only. Madagascar in 2019)
- Teaching/research Assistant supported by ICRE, University of Yamanashi
(Partial type for master’s & doctoral courses. China, Nepal, Japan in 2020)