

DAAD-Kyoto University Partnership Programme towards SDGs

京都大学・DAAD パートナーシップ・プログラム

List of Projects / 採択プロジェクト

*As of April 2024

○ Projects in FY 2024-2025

Supervisor at Kyoto University	Kosuke Shiraishi, Assistant Professor, Graduate School of Agriculture
Title of the Project	A novel carbon cycle model based on molecular mechanisms of biological methane emission and consumption
German Institution	Institute of Earth Sciences, Heidelberg University
Contact URA	C. Kanno

Supervisor at Kyoto University	Jan-Dirk Schmöcker, Associate Professor, Faculty of Engineering, Department of Urban Management
Title of the Project	Assessing the impacts of shared micro neo mobility sharing on zero carbon transportation in urban areas. A comparative study between Germany and Japan
German Institution	Transport Systems Planning and Transport Telematics, Technische Universität Berlin
Contact URA	K. Ayukawa

○ Projects in FY 2024

Supervisor at Kyoto University	Hajime Yamazaki, Program-Specific Senior Lecturer, Department of Community Medicine, Graduate School of Medicine
Title of the Project	The Influence of Pancreas Fat on Diabetes in Individuals with a Smaller Pancreas Size
German Institution	German Diabetes Center (DDZ), Leibniz Center for Diabetes Research at Heinrich-Heine University
Contact URA	T. Sonobe

Kyoto-DAAD: List of projects

Supervisor at Kyoto University	Masatoshi Sato, Professor, Yukawa Institute for Theoretical Physics
Title of the Project	Non-Hermitian effects in Topological Material
German Institution	Quantum Many Body Theory, Max Planck Institute for Solid State Research
Contact URA	H. Toyoda

○ **Projects in FY 2023**

* Project Type 1; Mutual mobility, Type 2; Mobility from KU to Germany, Type 3; Mobility from Germany to KU

ECR/Principal Investigator at Kyoto University	Mr. Shogo Nagai, Graduate Student, Institute for Integrated Cell-Material Science (iCeMS) Dr. Kentaro Hayashi, Postdocs, Institute for Integrated Cell-Material Science (iCeMS)
Supervisor at Kyoto University	Motomu Tanaka, Professor, Institute for Integrated Cell-Material Science (iCeMS)
Title of the Project	Spatio-mechanical management of cell fate in tissue morphogenesis and disease: combination of tailor-made 3D scaffolds, protein nanofibers and dynamic phenotyping
German Institution	Karlsruhe Institute for Technology
Principal Investigator in Germany	Martin Bastmeyer, Professor
Project Type	Type 2
Contact URA	T. Sonobe

ECR at Kyoto University	Kim BO-MOON, PhD student, Center for Ecological research (CER)
Supervisor/Principal Investigator at Kyoto University	Atsushi Yamauchi, Professor, Center for Ecological research (CER)
Title of the Project	MACOS (MATHematics for CONflicting demands in Sustainability issues)
German Institution	Osnabrück University

Kyoto-DAAD: List of projects

Principal Investigator in Germany	Dr. Frank M. HILKER, Professor
Project Type	Type 3
Contact URA	H. Toyoda

ECR at Kyoto University	Jiannan Dai, Ph.D., Graduate School of Engineering
Title of the Project	A MFD dynamics based resilience optimization model for road transportation under network disruptions
German Institution	Technical University of Munich
Principal Investigator in Germany	Prof. Dr. Constantinos Antoniou
Project Type	Type 1
Contact URA	K. Ayukawa

ECR/Principal Investigator at Kyoto University	Mi AN, Researcher, Graduate School of Medicine
Title of the Project	Special Olympics journey and Motivation Assessment Tool for Physical Activity (MAT-PA) validation in Germany
German Institution	Ludwigsburg University of Education
Principal Investigator in Germany	Dr. Florian Pochstein
Project Type	Type 2
Contact URA	C. Kanno

ECR/Principal Investigator at Kyoto University	Satoshi Nakao, Assistant Professor, Graduate School of Engineering
Title of the Project	Pathways towards a combined energy and mobility transition in Germany and Japan: Forecasting traffic volumes and multimodal traffic mode choices for net zero areas in cities
German Institution	Technische Universität Berlin
Principal Investigator in Germany	Prof. Dr. -Ing. Thomas Richter
Project Type	Type 1
Contact URA	K. Ayukawa

○ Projects in FY 2022

* Project Type 1; Mutual mobility, Type 2; Mobility from KU to Germany, Type 3; Mobility from Germany to KU

ECR/Principal Investigator at Kyoto University	Vien Dinh, PhD student, Graduate School of Agriculture
Supervisor at Kyoto University	Motoki Akitsu, Professor, Graduate School of Agriculture
Title of the Project	Diet acculturation of Vietnamese migrants in Germany
German Institution	Georg-August-University Göttingen
Principal Investigator in Germany	Claudia NEU, Professor
Project Type	Type 2
Contact URA	A. Oyamada

Principal Investigator at Kyoto University	Masato Iguchi, Professor, Disaster Prevention Research Institute (DPRI)
Title of the Project	Understanding the development of volcanic plumes by integrating observational and modelling data
German Institution	Hamburg University
Principal Investigator in Germany	Prof. Matthias Hort
Project Type	Type 3
Contact URA	A. Oyamada

ECR/Principal Investigator at Kyoto University	Jiefeng Kang, PhD student, Graduate School of Global Environment Studies
Supervisor at Kyoto University	Shozo Shibata, Professor, Graduate School of Global Environmental Studies
Title of the Project	Link land use, biodiversity and ecosystem services: a comparison study of Kyoto, Leipzig, and Braunschweig

Kyoto-DAAD: List of projects

German Institution	Technical University of Braunschweig
Principal Investigator in Germany	Dr. Michael Strohbach
Project Type	Type 2
Contact URA	H. Toyoda

Principal Investigator at Kyoto University	Mineko Kengaku, Professor, Institute for Integrated Cell-Material Sciences
Title of the Project	Revealing causes for neuronal migration disorders - a comparative approach
German Institution	RWTH Aachen
Principal Investigator in Germany	Prof. Dr. rer. nat. Geraldine Zimmer-Bensch
Project Type	Type 3
Contact URA	H. Toyoda

ECR at Kyoto University	Maoyuan Luo, PhD student, Graduate School of Energy Science
Supervisor/Principal Investigator at Kyoto University	Kazunobu Nagasaki, Professor, Institute of Advanced Energy
Title of the Project	Plasma dynamics and structure formation based on magnetic field diversity toward realization of sustainable fusion energy
German Institution	Max-Planck Institute for Plasma Physics
Principal Investigator in Germany	Thomas Klinger, Professor
Project Type	Type 1
Contact URA	T. Sonobe

ECR at Kyoto University	Kosei Takishita, PhD student, Disaster Prevention Research Institute (DPRI)
Supervisor/Principal Investigator at Kyoto University	Masato Iguchi, Professor, Disaster Prevention Research Institute (DPRI)
Title of the Project	Development of an innovative methodology for the accurate prediction of tephra deposition around Sakurajima volcano, Japan

Kyoto-DAAD: List of projects

German Institution	University of Bremen
Principal Investigator in Germany	Dr. Alexandros-Panagiotis Poulidis
Project Type	Type 2
Contact URA	A. Oyamada

ECR/Principal Investigator at Kyoto University	Ziang Yao, PhD student, Graduate School of Engineering
Supervisor at Kyoto University	Jan-Dirk Schmöcker, Associate Professor, Graduate School of Engineering
Title of the Project	Integrating Free-Floating Bicycles into Transport Planning Models
German Institution	University of Stuttgart
Principal Investigator in Germany	Prof. Markus Friedrich
Project Type	Type 2
Contact URA	T. Sonobe

○ Projects in FY 2021

* Project Type 1; Mutual mobility, Type 2; Mobility from KU to Germany, Type 3; Mobility from Germany to KU

ECR at Kyoto University	Kosei Takishita, PhD student, Disaster Prevention Research Institute (DPRI)
Supervisor/Principal Investigator at Kyoto University	Masato Iguchi, Professor, Disaster Prevention Research Institute (DPRI)
Title of the Project	Understanding the development of volcanic plumes by integrating observational and modelling data
German Institution	Hamburg University
Principal Investigator in Germany	Prof. Matthias Hort

Kyoto-DAAD: List of projects

Project Type	Type 1
Contact URA	A. Oyamada

ECR/Principal Investigator at Kyoto University	Mohamed Abdelkareem Ali Ahmed Kassem (Mohamed A. Kassem), Program-specific Researcher, Department of Materials Science and Engineering
Title of the Project	From crystal growth and exploration of topological phenomena towards functionality in kagomé magnets
German Institution	University of Augsburg
Principal Investigator in Germany	Prof. Dr. István Kézsmárki
Project Type	Type 2
Contact URA	T. Sonobe

ECR/Principal Investigator at Kyoto University	Chika Kondo, PhD student, Field of Philosophy of Agricultural Sciences, Division of Natural Resource Economics, Graduate School of Agriculture
Supervisor at Kyoto University	Motoki Akitsu, Professor, Graduate School of Agriculture
Title of the Project	Sustainable Agriculture and Gender Equality in Japan and Germany
German Institution	Georg-August-University Göttingen
Principal Investigator in Germany	Janna Luisa Pieper, research assistant and PhD student, Division of Rural Sociology, Department of Agricultural Economics and Rural Development,
Supervisor at Kyoto	Motoki Akitsu, Professor, Field of Philosophy of Agricultural Sciences, Division of Natural Resource Economics, Graduate School of Agriculture
Project Type	Type 2
Contact URA	O. Kuwata

ECR at Kyoto University	Ruobing Li, PhD student, Graduate School of Science
Supervisor/Principal Investigator at Kyoto University	Shin-ichi Nakano, Director and Professor, Center for Ecological Research
Title of the Project	Consolidating ecology with evolution: consumer composition and nutrient cycling in food chains of benthos in Lake Biwa

Kyoto-DAAD: List of projects

German Institution	Centrum für Naturkunde, Universität Hamburg – Zoological Museum
Principal Investigator in Germany	Matthias Glaubrecht, Professor for Biodiversity of Animals
Supervisor at Kyoto	Shin-ichi Nakano, Professor, Center for Ecological Research
Project Type	Type 2
Contact URA	O. Kuwata

ECR at Kyoto University	Kentaro Hayashi, Program-specific Researcher, Institute for Advanced Study Akihisa Yamamoto, Program-specific Assistant Professor, Institute for Advanced Study
Supervisor/Principal Investigator at Kyoto University	Motomu Tanaka, Professor, Institute for Advanced Study
Title of the Project	Spatio-mechanical management of cell fate in tissue morphogenesis and disease: combination of tailor made 3D scaffolds, protein nanofibers and dynamic phenotyping
German Institution	Karlsruhe Institute of Technology
Principal Investigator in Germany	Prof. Dr. Martin Bastmeyer
Project Type	Type 1
Contact URA	T. Sonobe

○ Projects in FY 2020

* Project Type 1; Mutual mobility, Type 2; Mobility from KU to Germany, Type 3; Mobility from Germany to KU

Sachi Ando

Junior Associate Professor, Graduate School of Education

German Partner: Inken Heldt, Junior Professor, Faculty of Political Science, Technische Universität Kaiserslautern

Title: Conception of Sustainable Development Goals among Pre-Service Teacher and Social Work Students: Comparative Studies on Civic Education in Japan and Germany

Project Type: 3

Kyoto-DAAD: List of projects

ECR from Germany : Inken Heldt

Contact URA: A. Wittfeld

Samuel Matthew Girao Dumlao (ECR)

Ph.D Student, Department of Socio-Environmental Energy Science, Graduate School of Energy Science

German Partner : Thomas William BROWN, Institute for Automation and Applied Informatics, Karlsruhe Institute of Technology

Title: Technical and Financial Analysis of the Impact of High Variable Renewable Energy Penetration on the Electricity Grid

Project Type: 2

Contact URA: T. Sonobe

Mineko Kengaku

Professor, Institute for Integrated Cell-Material Sciences, Institute for Advanced Study (KUIAS-iCeMS)

German Partner : Geraldine Zimmer-Bensch, Professor, Department of Biology, RWTH Aachen university

Title: Revealing causes for neuronal migration disorders – a comparative approach

Project Type: 1

ECR from KU: Zhejing Zhang

ECR from Germany: Daniel Pensold

Contact URA: O. Kuwata

Hidetoshi Masumoto

Department of Cardiovascular Surgery, Graduate School of Medicine

German Partner: Andres Hilfiker, Department of Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School

Title: Development of humanized cardiovascular tissues from xenogeneic animals for medical use

Project Type: 2

ECR from KU: Abulaiti Mosha

Contact URA: A. Nakano

Chifumi Nishioka(ECR)

Assistant Professor, Kyoto University Library

German Partner : Michael Faerber, Postdoctoral researcher, Karlsruhe Institute of Technology

Title: Scholarly Information Recommender Systems Using Knowledge Graphs

Project Type: 1

ECR from Germany: Michael Faerber, Tarek Saier

Contact URA: T. Suzuki

Eiri Ono (ECR)

Senior Lecturer, Institute for Information Management and Communication / Academic Center for Computing and Media Studies

German Partner : Sven Bingert, Georg-August-University Göttingen / CERN

Title: Citizen Science as contribution to Open Science

Project Type: 1

ECR from Germany: Georgios Kaklamanos

Contact URA: A. Wittfeld

Tomoro Yanase (ECR)

Ph.D Student, Disaster Prevention Research Institute

German Partner: Bjorn Stevens, Director/Professor, Max Planck Institute for Meteorology

Title: Toward building a hierarchical meteorological model system for clouds research

Project Type: 2

Contact URA: O. Kuwata

○ Projects in FY 2019

Projects in FY 2019

Andrey Damaledo

Post-Doctoral Fellow, Center for Southeast Asian Studies (CSEAS)

Host institution: Freiburg Center for Southeast Asian Studies, University of Freiburg

Title: Reconsidering transnational migration and the 2030 sustainable development goals:

Southeast Asian perspectives Contact URA: T. Sonobe

Srishti Tripathi

Ph.D Student, Primate Research Institute

Host institution: Leibniz Research Centre for Working Environment and Human Factors

Title: Investigation for the neural mechanisms that cause social biases

Contact URA: O. Kuwata, T. Suzuki

Sophal Try

Ph.D Student, Graduate School of Engineering (Disaster Prevention Research Institute)

Host institution: Leichtweiss Institute of Hydraulic Engineering and Water Resources (LWI),
Technische Universitat Braunschweig

Assessment the Climate Change Impact on Water resources and Flood Inundation in the Mekong
River Basin

Contact URA: A. Nakano

Emi Ichiyanagi

Graduate School of Global Environmental Studies

German partner: Florentine Koppenborg, Technical University of Munich, Chair of
Environmental and Climate Policy

Title: Comparing Sustainable Energy Transitions in Japan and Germany

Contact URA: T. Suzuki, A. Nakano

○ Projects in FY 2018

Takaya Ogawa

Assistant Professor, Graduate School of Energy Science

Host institution: Fritz-Haber Institute of the Max-Planck Society

Title: Direct observation of proton movements in novel proton conduction mechanism “Packed-
acid mechanism”

Contact URA: T. Suzuki, T. Sonobe

Takahiro Nagaoka

Ph.D Student, Graduate School of Science

Host institution: Gerhard Rohrl Ruhr University Bochum

Title: The research on the combinatorics of hyperplane arrangements and symplectic algebraic
geometry from multiple point of view

Contact URA: A. Nakano O. Kuwata

Mizerero Uwunva Serge André

Ph.D Student, Graduate School of Medicine

Host institution: Charié University, Berlin

Title: The effectiveness of Mobile Care Units for screening purposes in remote rural areas in the post-conflict District of Rutshuru/Eastern DRC

Contact URA: T. Sonobe, O. Kuwata

Tsuyoshi Terakawa

Assistant Professor, Graduate School of Science

Host institution: European Molecular Biology Laboratory

Title: Elucidation of stepping mechanism of molecular motor Condensin

Contact URA: O. Kuwata, T. Suzuki

Chifumi Nishioka

Assistant Professor, Kyoto University Library Network

Scholarly Knowledge Graph towards Knowledge-Centric Scholarly Communication

Host institution: TIB-Leibniz Information Centre for Science and Technology and University

Contact URA: E. Amano, A. Nakano

Misao Akishiba

Ph.D Student, Institute for Chemical Research

Host institution: Helmholtz Zentrum München

Title: Development of intracellular delivery system applicable to 3D micro-tissue

Contact URA: T. Sonobe, O. Kuwata

○ Projects in FY 2017

Shoma Ishikawa

Ph.D Student, Graduate School of Biostudies

Destination: Cluster of Excellence – Cellular Stress Responses in Aging-Associated Diseases (CECAD)

Aims: Building a new research network in German

Laying the foundations for a long term research stay

Contact URA: O. Kuwata

Tsubasa Watanabe

Assistant Professor, Kyoto University Research Reactor Institute

Destination: German Cancer Research Center (DKFZ)

European Molecular Biology Laboratory (EMBL)

Aims: Building a research network in Germany

Preparation of a long term research stay at Freiburg University

Contact URA: A. Nakano

Kazuya Tatsumi

Associate Professor, Graduate School of Engineering

Destination: Karlsruhe Institute of Technology (KIT)

Institute of Microstructure Technology

Aims: Improve networks between the Machine Engineering Department of the Graduate School of Engineering at Kyoto University and KIT in order to cooperate in joint research projects

Contact URA: E.Amano, T.Suzuki

Kenichiro Kamei

Associate Professor, iCeMS

Destination: Karlsruhe Institute of Technology (KIT)

Center of Organismal Studies (COS), University of Heidelberg

Aims: Conduct a meeting with fellow researchers at KIT, Holding a lecture at a Seminar

Contact URA: E.Amano, T.Suzuki

Jan-Dirk Schmöcker

Associate Professor, Graduate School of Engineering

Destination : Karlsruhe (Company), Vienna University of Economics and Business (WU),
Technical University of Munich (TUM)

Aims: Building a research network in Germany, Preparation of joined project proposal

Contact URA: E. Amano, T. Suzuki