

**AY2023 Center for Inclusive Leadership (CIL)
Research Project Grant**

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|--|--|---|--|----------------|
| 研究代表者 Research Representative | 所属・職位 Affiliation/Position | APS/ Associate Prof | 氏名 Name | Faezeh MAHICHI |
| 研究課題名 Research Title | Towards Developing a Pedagogy for Inclusive Environmental Citizenship Education | | | |
| 研究メンバー Research Group Members | 氏名 Name | 所属 Affiliation | 職位 Position | |
| | Petrus Willem ROUX | Associate Professor | EDLSC, APU | |
| | Lailani Laynesa ALCANTARA | Professor | APM, APU | |
| | Donald HUISINGH | Professor | Institute for a Secure and Sustainable Environment, The University of Tennessee, USA | |
| | Daisuke TAKEKAWA | Professor | Faculty of Humanities, University of Kitakyushu, Japan | |
| | Ranahansa DASANAYAKE | Senior Lecturer/ International Project Manager | Institute for Applied Material Flow Management (IfaS), Trier University of Applied Sciences, Germany | |

**2023 年度 研究成果 (研究経過・到達点を明確にご記入ください。800~1,000 字)
AY2023 Research Results (Please state clearly the research progress, results, approx. 400 words.)**

The current project has a 2-year scope with the development of a pedagogy for inclusive environmental citizenship education. The project draws upon several local community structures adjacent to our university and centralizes three main pillars: (1) a pedagogy for higher education, (2) environmental citizenship education and (3) diversity management and inclusivity. We focus on identifying research overlaps and gaps, collecting data, and utilizing and/or developing appropriate research tools to explore, map and delimit the area. We utilize an action research model, with mixed-methods, and explorative research method. This approach aims to generate theory based on forms of in-situ, observed and participatory education where data is generated through traditional- and experience-based learning. Based on the findings, we will attempt to construct a preliminary framework to underpin the development of an inclusive environmental citizenship education that is relevant to our institution, and appropriate for international education within a Japanese context. The result of our research April 2023 to end of March 2024 is as follow:

1) Testing the Designed research instrument

We have tested our designed a survey questionnaire as the research instrument consists of: (a) learning needs & expectations surveys; (b) Environmental Citizenship Questionnaire (ECQ); (c) Cultural Intelligence Questionnaire (CQFS); and (d) measures for inclusivity & diversity management. The survey was approved by APU's Research Compliance/Ethics Review Research (approval number 2023-1).

2) Presenting in AP Conference 2023:

The title of our presentation as: “Developing an Inclusive Pedagogy for Environmental Citizenship Education: Insights from research done within an undergraduate course at Ritsumeikan Asia Pacific University (APU).”

We presented the result of our conducted survey questionnaire to 1) assess the development of Environmental Citizenship in students, 2) Understand impact of the course content on the development of cultural intelligence (CQ), 3) survey the perceptions of inclusive practices and sense of inclusion & belonging among students at APU.

3) Inviting guest speakers to APU courses:

In order to contribute to inclusive teaching and learning in APU classrooms, we invited guest speakers from the APU Alumni, local government, industry, environmentalist and APU environmental student club members, and world class educator and researcher in Education for Sustainability (EfS). The talks provided an opportunity for students to learn from the best practises from the speakers. Furthermore, it welcomed the guests to be a part of learning design (please see the figure 1 for the details of the invited guest speakers) (Fig 1).

Speaker: Mai Trang Le (APU Alumni, Class 2022)

Bear Bile Farming in Vietnam and Career Opportunities in Wildlife Conservation



DATE: Friday, January 26th, 2024
TIME: 3rd period (12:30-14:10),
PLACE: APU, F Building room F104



“Bear Bile Farming” or any type of animal-violated activity is one of the critical issues not only in Vietnam but also in some countries where animal products are widely preferred for their medical benefits on human health. Although bear bile has been scientifically proven to have significant benefits in the treatment of certain diseases, cruelty, and unethical factors are undeniably worrying. It also raises many questions about animal welfare and nature conservation in general. Animals Asia is one of the leading organizations in this field, and there are many employment opportunities in which young people can participate and contribute their knowledge. Our APU Alumni, Mai, will share her experience of working with Animals Asia to help APU students gain diverse perspectives on career opportunities in wildlife conservation.



!The lecture will be held in English.
Everyone is welcome to join!



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Supported by the Center for Inclusive Leadership (CIL), APU
Facilitator: Professor Faehz MAHICHI | fmaichi@apu.ac.jp



Beppu City's Nature Conservation & Hot spring Power Generation System



With Speaker Director of Beppu City's Environmental Planning Office, Hideki Hori



Date: Fri. July 21st, 2023, 3rd period (12:30 -14:10) Classroom F202, Zoom Meeting ID: 995 4193 1452

The lecture will be held in Japanese and English, and everyone is welcome to join.



Hot Springs (Onsens) for recreational purposes has been part of Beppu culture for centuries. In celebration of Beppu's 100 year anniversary in 2024, "Saving Natural Beppu" will be the focus of Beppu citizens. In keeping with advances in practices that aim for a sustainable future, the co-utilization of hot springs as a potential source of renewable power has come to the forefront. Mr Hideki Hori, the Director of Beppu City's Environmental Planning Office will share with us the Beppu city office policies and vision on Nature Conservation and the utilization of geothermal energy.

Environmental Science course Instructor: Professor Faezeh MAHICHI

Email: fmahichi@apu.ac.jp



Implementing Sustainability with ECOS, BGG & Local Community

The leaders of APU students' organisation, Environmental Community for Sustainability (ECOS) and Beppu Global Garden (BGG) will share their collaborative projects with local community on promoting sustainability and environmental protection.

Join us and let's be a part of the efforts for building "An Inclusive Sustainable Community".

Date: Fri. May 12th, 2023, 2nd period (10:35-12:15), APU F106

The lecture will be held in English, and everyone is welcome to join.



Feb 5th, 2023. Kids Event in BGG

Speakers:

Kurusu Isogai, ECOS Leader
Sebastian Owen, ECOS Event Manager
Leila Mohammadi, BGG Leader

Facilitator: Professor Faezeh MAHICHI Email: fmahichi@apu.ac.jp Course: Industrial Ecology, Spring 2023



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Bringing Organic Food to Our Daily Life

Speaker: Ms. Akiko GOTO
Founder of Oita Organic Market

Date: Fri. November 3rd, 2023, 3rd period (12:30-14:10), F Building room F107

“Food as medicine” was the starting point for Akiko Goto’s interest in healthy food. Following the birth of her son in 2011, and due to a concern with allergies, she started becoming interested in the role of organic food and a healthy body. Her son recovered within half a year after consuming only organic products. During this time, she visited many organic farms, explored the availability and use of organic products, and discovered that a need for organic produce was widespread. At the same time, she noticed that many farms existed but that there was no venue available to display their produce. Goto san further observed that organic farmers in Oita Prefecture produced quite unusual and unique organic food that would be popular among Japanese people. Her ideas for an organic market came together and in December 2012, Oita organic market was born!

The lecture will be held in Japanese and English, and everyone is welcome to join.

Facilitator: Professor Faezeh MAHICHI **Email:** fmahichi@apu.ac.jp

†The lecture will be held in Japanese and English. Everyone is welcome to join!

†講演会は日本語と英語で行われます。どなたでもご参加いただけます！

Dialogue with Chef Tashi Gyamtso & Mr Hirakawa (Owner of ENOWA)

From Organic Farm to a Unique Table



DATE: Tuesday, January 16th, 2024
TIME: 3rd period (12:30-14:10),
PLACE: F Building room F104

The “Farm to Table” concept was first developed by Blue Hill restaurant at Stone Barns, in New York. Inspired by this concept, Chef Tashi joined ENOWA YUFUIN Botanical Retreat to develop its future in Japan. ENOWA practices the “Farm-Driven” concept which places the farm at the center, taking care to maintain the ecological sustainability, and the social and economic sustainability of food cultivation. Chef Tashi visits the farm every morning, finding inspiration for his cuisine. He continues to develop a seasonal menu as he believes the answer to all matters of taste on the table can be found in the fields.

This event welcomes all APU students to join in the conversation with Chef Tashi and Mr Hirakawa to explore the ENOWA philosophy, as an “Environmentally Friendly Food System”.



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How to Plan, Prepare, Submit, Revise and Write an Excellent Thesis



Speaker: Prof Donald Huisingsh
Institute for a Secure and Sustainable
Environment, The University of Tennessee, USA

Date: Fri. December 1st, 2023, 4th period (14:20-16:00), F Building room F107, APU Campus

Professor Donald Huisingsh, Editor-in-Chief Emeritus and founder of the Journal of Cleaner Production, will conduct an interactive session on how to plan, prepare a logical flow of information, conduct research, and write a thesis. Undergraduate and graduate students interested in conducting research and writing a thesis are encouraged to join the talk.,

The lecture will be held in English, and everyone is welcome to join.

Facilitator: Professor Faezeh MAHICHI **Email:** fmahichi@apu.ac.jp

Figure 1. Inviting guest speakers to APU courses

- 4) **Advising and working closely with the APU students, local community & Leadership development:** Members of the research team have been working with the APU student club, ECOS (Environmental Community for Sustainability) and Beppu local community, KEPC (Kamegawa Environmental Protection Club). We have participated in the cultural and environmental protection events conducted jointly by KEPC and ECOS to observe the inclusivity amongst APU student bodies and local environmental activists' communities. We have consistently worked to develop capacity, to create and sustain connections between local organizations and APU students and have invested time and energy into student leadership development.

As part of the inclusive collaboration, we have planned and successfully executed a safe environmental education of importance of protecting the natural ecosystem of Hiya Rive in Beppu and firefly watching event for citizens (Fig 2.)

| DATE | PLACE | PARKING |
|--|----------------------------------|--|
| JUNE 7, 2023 (WED. 17:00-21:00) <small>In case of rain postpone to June 10th (Sat)</small> | OBC (NEXT TO KURONEKO YAMATO) | ① MARUSHOKU PARKING LOT (ROOFTOP) ② GREEN COOP (AFTER 18:00 PM) |

FIREFLY WATCHING AT HIYA RIVER

You can enjoy APU student performances and some food and drinks!

NOTICES

- CHILDREN MUST COME WITH THEIR PARENT
- PLEASE WEAR SHOES, NOT SLIPPERS AND SANDALS
- PLEASE REFRAIN FROM USING LIGHT AND FLASHLIGHT

CONTACT:
Phone: 090-5029-5240
Email: mokojuku@gmail.com (Ms. Saito)

ORGANIZERS

- ENVIRONMENTAL COMMUNITY FOR SUSTAINABILITY (ECOS)
- PROF. FAEZEH MAHICHI (APU)
- PROF. PIETRUS ROUX (APU)
- KAMEGAWA ENVIRONMENTAL PROTECTION CLUB (KEPC)

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MAP

日本語版はこちらからスキャンしてください

*PLEASE DO NOT CAPTURE THE FIREFLIES!

| 日時 | 場所 | 駐車場 |
|--|-----------------------------|-------------------------------------|
| 令和5年 6月7日(水) 午後5時より 雨天の場合は 10日(土)に変更 | OBCオー・ビー・シー (クロネコヤマトさん隣) | ①マルショク 関の江店 屋上 ②グリーンコープ (午後6時以降) |

冷川のホタル観賞会

APU学生によるパフォーマンスや飲み物や食べ物も準備しています

お問い合わせ:
電話番号:090-5029-5240
メール:mokojuku@gmail.com
(担当 佐藤)

主催:

- ECOS (APU学生による環境保護サークル)
- マヒチ・ファエゼ (APU教員)
- ピーター・ルー (APU教員)
- 亀川の自然環境を守る会 (KEPC)

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MAP

お願い

- お子さんは保護者と一緒にご参加ください。
- しっかりと靴を履いてください。スリッパやサンダルは危険です。
- ライトや懐中電灯の使用はご遠慮ください。

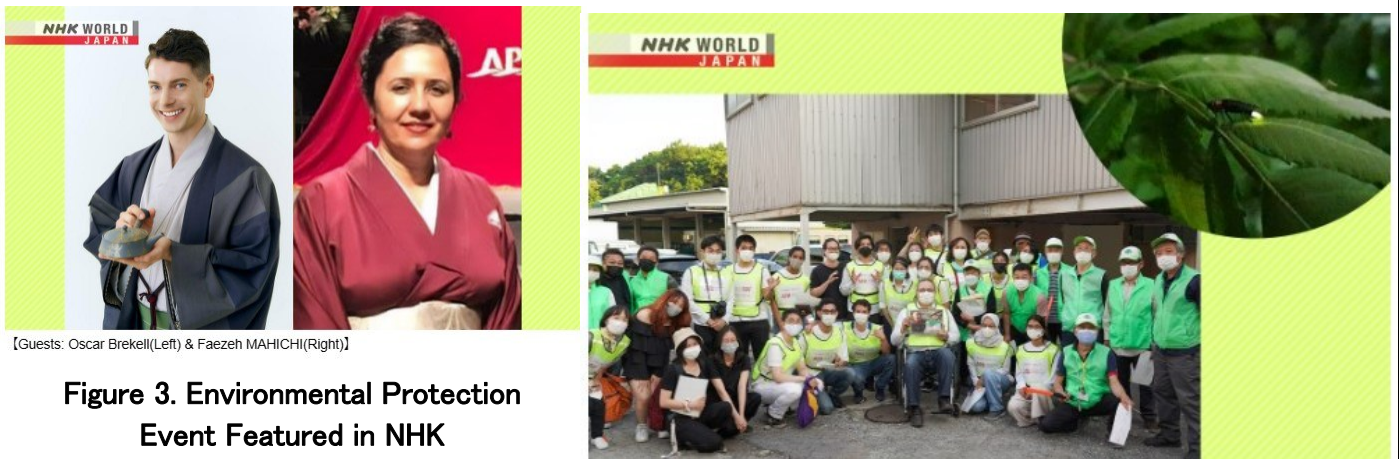
ホタルを捕まえないでください。ホタルへ思いやりを。



Figure 2. Environmental Protection Event (Posters of the event & Volunteer Event Manage Team)

The event was featured in:

- 1) APU Website <https://en.apu.ac.jp/home/news/article/?storyid=3448>
- 2) TBS <https://newsdig.tbs.co.jp/articles/obs/532143?display=1&mwplay=1>
- 3) CTB (<https://community.ctb.ne.jp/natural/beppu/detail/7399>)
- 4) NHK WORLD-JAPAN RADIO「Living in Japan program」
(<https://www3.nhk.or.jp/nhkworld/en/shows/audio/livinginjapan-20230604-1/>)



[Guests: Oscar Brekell(Left) & Faezeh MAHICHI(Right)]

**Figure 3. Environmental Protection
Event Featured in NHK
WORLD-JAPAN RADIO**

Volunteer firefly watching staffs (local community members, APU students and faculties) / A firefly in the Hiya River, photographed by APU student Phonlawan Phonlawat Oak

6) Sharing the outcomes of our research and projects with the public

In the coming year, we will continue to collect data through the established research plan. In addition, we will continue with data analysis and the writing-up of research findings achieved thus far, with a view to publication of at least two academic articles. Some of our members (at least two) will likely also participate in training for Systems Thinking to enable the team to design a more comprehensive pedagogical framework for sustainability.

We are planning to disseminate the research achievements to academic society and public through the using the following methods:

- CIL Conferences AY2024
- Publications AY2024-25: 2 articles
- Sharing the outcomes of our research and grassroots community-based projects on the OrganiCal website (<https://organical.squarespace.com/research-projects>).
- Public workshops in collaboration with local community organizations

2023 年度中の研究発表 (予定を含めてご記入ください)
Research Publications in AY2023 (journal articles, conferences, etc.) (Please include future plans as well)

| 発表方法 Publication Methods | 詳細 Details | | |
|---|---|--|----------------------------------|
| | 著書・論文名等 Title of Books or Articles | 出版社／掲載誌・巻号等 Name of Publisher / Name and Volume of Journal | 刊行年月日 Date of Publication |
| 著書・論文等 Books or Articles | | | |
| | | | |
| | | | |
| 学会等 Presentation at an Academic Conference | タイトル Title | 学会名 Name of an Academic Conference | 発表年月日 Date of Presentation |
| | Developing an Inclusive Pedagogy for Environmental Citizenship Education: Insights from research done within an undergraduate course at Ritsumeikan Asia Pacific University (APU) | AP 2023 Conference | Dec 1st, 2023 |
| | Fostering Partnerships for a Sustainable Future: Bridging Higher Education and Business Corporations | Fostering Partnerships for a Sustainable Future: Bridging Higher Education and Business Corporations | June 1 st , 2024 |
| その他 Others | | | |

2023 年度 開催イベント (予定を含めてご記入ください)
Events in AY2023 (Please include future plans as well)

| イベント Event | イベントタイトル Title of Events | イベント詳細 Event Description | 開催年月日 Date of Event |
|---------------|-----------------------------|--------------------------------|---|
| | | Environmental Protection Event | The event was designed to develop capacity, to create and sustain connections between local organizations and APU students and have invested time and energy into student leadership development. |
| | | | |