Professor Name

Tarek Katramiz (Mr.)

Laboratory name

Global Governance and Sustainable Development Laboratory

Laboratory Website

Not Ready for now

Email: katramiz@sic.shibaura-it.ac.jp

Keyword

Governance, sustainable development, decarbonization, climate change, SDGs, policy, localization

Program period

More than 2 months

Required skills

English Proficiency: Able to communicate in English, both verbally and in writing.

Research Skills: Capable of conducting independent research using academic databases, online resources, and possibly fieldwork depending on the task.

Desired skills（Preferred skills）

Interdisciplinary Knowledge: Familiarity with concepts related to governance, sustainable development, and possibly urban studies or environmental sciences, depending on the focus of the research.

Eligibility-school year

- ☑ Bacholar 3rd
- ☑ Bacholar 4th or higher
- ☑ Master 1st
- ☑ Master 2nd
- ☑ PhD 1st
- ☑ PhD 2nd
- ☑ PhD 3rd

Eligibility-student's major/fields

- ☐ Mechanical
- ☐ Chemistry
- ☐ Material
- ☐ Electrical
- ☐ Electronic
- ☐ Computer Science
- ☐ Life Science
- ☐ Mathematical
- ☐ Civil Engineering
- ☐ Architecture
- ☐ Engineering and design
- ☑ Other (environmental studies, sustainability science, international relations, public policy, urban studies, energy policy)

Tasks in the laboratory

1. Policy Analysis

Objective: Study and improve policies on decarbonization and sustainable development.

Tasks:

Review policies from different countries/cities.

Compare their effectiveness in achieving SDGs.

Identify strengths and weaknesses.

Suggest improvements.

Possible Output: A report with recommendations.

2. Case Study Writing

Objective: Create case studies of successful governance strategies for localising the SDGs .

Tasks:

Select successful examples from various levels (local, national, global).

Gather data through research and/or interviews.

Write and analyze the case studies.

Possible Output: A report with recommendations/A collection of detailed case studies.

3. Localizing the SDGs

Objective: Develop strategies for implementing SDGs in local communities.

Tasks:

Choose different types of communities (urban, rural, coastal).

Talk to local stakeholders to understand their needs.

Create tailored strategies for each community.

Plan how to implement these strategies.

Potential Output: A strategic plan for localizing the SDGs.

4. Decarbonization Plans

Objective: Propose ways to reduce carbon emissions in various sectors.

Tasks:

Analyze the carbon footprint of key sectors (energy, transport, agriculture).

Review technologies for reducing emissions.

Develop realistic plans for each sector.

Get feedback from stakeholders.

Potential Output: A report with decarbonization plans.