Division of Geosciences and Civil Engineering	Research field	Urban Planning and International comparison	Lab. ID GC23
Laboratory web site	https://kanazawa-ub.jimdofree.com/		

Research subjects

Laboratory offers a rich tapestry of research subjects aimed at fostering sustainable development within the framework of land-use planning and policy.
1:Land-Use Policy Simulation: Utilizing the framework of territorial spatial planning, we delve into the intricacies of policy formulation and land-use policy simulation. Through advanced modeling techniques, we aim to understand the implications of various policies on land management and urban development.
2:Low-Carbon Sustainable Development: With a focus on achieving low-carbon sustainable development, our research explores the realm of smart cities and intelligent buildings. Through the development of visualization and simulation management systems, powered by virtual reality technology, we aim to reimagine the development process and optimize energy consumption.
3:Smart City Infrastructure and Management: Investigating the intersection of technology and urban infrastructure, we explore innovative approaches to smart city development. From intelligent transportation systems to resilient energy grids, our research endeavors to create sustainable and efficient urban environments for future generations.
4:Community Engagement and Participatory Planning: Recognizing the importance of community engagement in the planning process, we study methods for fostering inclusivity and participation in urban development initiatives. Through participatory planning techniques and stakeholder engagement strategies, we strive to empower communities to shape their own sustainable futures.

Master/Doctor course: Education policy, curriculum, typical activity in the laboratory

we are dedicated to nurturing the academic and professional growth of students. Our guiding principles include:
1：Individualized Mentorship, Providing personalized mentorship tailored to each student's academic background, research interests, and career aspirations.
2：Freedom to Choose Research Topics, Encouraging students to explore their own research interests and passions by granting them the freedom to choose their research topics within the broader scope of sustainable spatial planning and development.
3：Capitalizing on Student Expertise, Leveraging the unique skills and expertise of each student to guide them towards conducting high-quality research aligned with their strengths and interests.
4：Interdisciplinary Collaboration, Fostering an environment of interdisciplinary collaboration where students can learn from diverse perspectives and engage in cross-cutting research projects.
5：Thesis Development, Supporting students in crafting a compelling thesis proposal by offering guidance on literature review, research design, and methodology selection.
6：Research Laboratory Activities, Engaging master's students in laboratory activities such as data analysis, modeling exercises, and policy simulations to enhance their research skills and practical knowledge.

Daily life in the laboratory, etc.

Utilize advanced software and technologies for urban simulation, GIS analysis, and mor.Participate in seminars and workshops conducted in English, fostering an inclusive environment for international students.

Message or comments by the laboratory faculty staffs

we believe in the power of interdisciplinary collaboration to drive meaningful change in urban planning and development.
The Spatial Planning and Sustainable Development Laboratory invites you to embark on a journey of discovery and innovation. Whether you're a seasoned researcher or just beginning your academic journey, there's a place for you in our vibrant community.
We look forward to welcoming you to Spatial Planning and Sustainable Development Laboratory and shaping the future of sustainable urban development together.

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