



吉岡 敬明

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## ごあいさつ

皆様におかれましては、ますますご清祥のこととお慶び申し上げます。平素より環境科学研究科の研究・教育活動に格別のご理解とご支援を賜り、心より御礼申し上げます。

近年、地球環境を巡る課題は一層深刻化し、カーボンニュートラルの実現、ネイチャーポジティブへの転換、さらには資源循環型社会の構築が世界共通の重要課題となっています。我が国においてもGX(グリーンTRANSフォーメーション)の推進や資源循環政策の高度化が進められており、本学が国際卓越大学として新たな研究力強化に取り組む中で、本研究科の果たす役割はますます大きくなっています。

環境問題はエネルギー、資源、生態系、社会システムなど多岐にわたり、その解決には自然科学と人文・社会科学を融合した学際的研究が不可欠です。本研究科では、資源循環、脱炭素技術、生態系保全、環境政策など幅広い分野において研究を推進し、科学的知見の創出と社会実装の双方を重視した教育・研究を展開しております。

本アクティビティレポートは、2025年度における本研究科の研究活動の概要を取りまとめたものです。GXや循環経済への移行が進む中、研究成果の発信に加え、企業や自治体、地域社会との連携を強化し、持続可能な技術と社会システムの構築に向けた実践的研究を進めております。これらの成果が学術的発展のみならず、社会課題の解決に資することを期待しております。

本レポートが本研究科の活動をご理解いただく一助となるとともに、環境研究への関心を深める契機となれば幸いです。環境問題の解決には多様な主体の協働が不可欠であり、今後も皆様とともに持続可能な未来の実現に貢献してまいりたいと考えております。

最後になりましたが、本研究科の活動に対し多大なるご支援とご協力を賜りましたことに深く感謝申し上げます。今後とも変わらぬご理解とご支援を賜りますようお願い申し上げます。

## Prefatory Note

I would like to extend my sincerest wishes for your continued well-being. I also wish to express my heartfelt appreciation for your ongoing understanding and support of the research and educational activities carried out at the Graduate School of Environmental Studies.

In recent years, global environmental challenges have become increasingly severe, and the realization of carbon neutrality, the transition to nature-positive approaches, and the establishment of a resource-circular society have become critical issues worldwide. In Japan, the promotion of GX (Green Transformation) and the advancement of resource circulation policies are underway. As our university pursues enhanced research capabilities as a University of International Research Excellence, the role of our Graduate School is becoming ever more significant.

Environmental issues span a wide range of areas, including energy, resources, ecosystems, and social systems, and their resolution requires interdisciplinary research that integrates the natural sciences with the humanities and social sciences. At our Graduate School of Environmental Studies, we are advancing research in diverse fields such as resource circulation, decarbonization technologies, ecosystem conservation, and environmental policy, as well as developing education and research that emphasize both the generation of scientific knowledge and its implementation in society.

This Activity Report provides an overview of our Graduate School's research activities conducted during the 2025 academic year. As the transition to GX and a circular economy progresses, we are strengthening our partnerships with companies, local governments, and regional communities, in addition to disseminating our research findings and promoting practical research efforts aimed at building sustainable technologies and social systems. We hope that these outcomes will contribute not only to academic advancement but also to solving societal challenges.

I hope that this Activity Report not only provides you a clearer picture of the activities of the Graduate School of Environmental Studies but also serves as an opportunity to deepen interest in environmental research. Solving environmental issues requires the cooperation of diverse stakeholders, and we intend to continue working together with you to contribute to the realization of a sustainable future.

In closing, allow me to express my deepest gratitude to everyone who has provided tremendous support and cooperation for the activities of our Graduate School. I sincerely ask for your continued understanding and support going forward.