

## PREFACE

The 2nd International Conference on Sustainability and Technology in Climate Change: Green Technology and Governance: Accelerating Global Sustainability Goals (2nd IC-STCC) was organized by the E-Governance and Sustainability Institute (ESI), Indonesia, and held in Yogyakarta, Indonesia, on September 20, 2025, in a hybrid format. The IC-STCC is one of ESI's annual international events aimed at fostering collaboration and publication of research in the fields of sustainability, climate change, and technology. The main theme of the 2nd IC-STCC, "Green Technology and Governance: Accelerating Global Sustainability Goals," highlighted the need to integrate innovation, technology, and governance in achieving global sustainability. The conference covered various subthemes, including Digital Technology, Sustainable Tourism, Political Ecology, Economics, Educational Science, Geography, History, Law, Linguistics, Philosophy, and Sociology.

The conference was attended by 150 participants from over 11 countries and featured 106 scientific papers presented in plenary and parallel sessions. Participants represented universities and institutions such as Eötvös Loránd University (Hungary), Indiana University (United States), the University of Bradford (United Kingdom), the University of Groningen (Netherlands), Thammasat University (Thailand), Universiti Utara Malaysia (Malaysia), Mindanao State University (Philippines), and Muhammadiyah University of Yogyakarta (Indonesia), among others.

The 2nd IC-STCC provided a valuable platform for sharing knowledge and research on how technology and governance can work together to address the global challenge of climate change. The world currently faces serious environmental issues such as global warming, extreme weather, biodiversity loss, and environmental degradation. Addressing these challenges requires cross-disciplinary collaboration to develop adaptive policies, sustainable technologies, and innovative governance systems that support the achievement of global sustainability goals. The conference featured four distinguished keynote speakers who shared valuable insights and perspectives:

- Prof. Ashley Enrici (Indiana University, United States)
- Prof. Eko Priyo Purnomo, S.IP., M.Si., M.Res., Ph.D. (E-Governance and Sustainability Institute, Indonesia)
- Prof. Klaus Hubacek (University of Groningen, The Netherlands)
- Prof. PB Anand (University of Bradford, United Kingdom)

Their keynote addresses explored key issues in sustainability transition, climate governance, and the role of green and digital technologies in supporting sustainable development.

All submitted papers underwent a rigorous peer-review process to ensure academic quality and relevance. The accepted papers are published in this proceedings volume under the **E3S Web of Conferences**, serving as a valuable reference for researchers, academics, and practitioners working in sustainability, climate change, and environmental technology.

The organizing committee expresses its sincere appreciation to all keynote speakers, reviewers, authors, and participants for their active engagement and contribution. We also extend our gratitude to our partner and sponsor, Pupuk Kalimantan Timur (PKT), for their valuable support. Finally, we thank the E-Governance and Sustainability Institute (ESI) organizing team for their hard work and dedication in making the 2nd IC-STCC a successful and meaningful event.

We hope that the outcomes of this conference will inspire further research and collaboration and contribute to global efforts toward achieving sustainable development and technological innovation.

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#### **Acknowledgment**

The committee of the **2nd International Conference On Sustainability And Technology In Climate Change: Green Technology and Governance: Accelerating Global Sustainability Goals (2nd IC-STCC)** would like to express its deepest appreciation to all contributors, partner institutions, and supporting organizations. We believe that the ideas, discussions, and research shared during this conference will encourage greater interdisciplinary collaboration and contribute to building a more sustainable and resilient future for all.