

**Transdisciplinary research to battle global sustainability problems**

**Welcome**

This conference was an opportunity to collaborate and showcase innovative research ideas to tackle global sustainability challenges. It served as an inclusive space for fostering research collaboration and driving action among eGrad School partners, researchers, external organisations, and valued participants in achieving the United Nations (UN) Sustainable Development Goals (SDGs) and creating a more sustainable future. The conference facilitated future-focus and case-oriented discussions on building sustainable future.

Join us and watch online recorded presentations by sustainable researchers from Europe, South Pacific, New Zealand, South Africa and Australia.

**Tuesday 28th November**

**Opening session**

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|  | Welcome |
| 2:00 pm | Introduction: Conference Chair Prof Esa JaatinenQUT Acknowledgement of CountryWelcome by Professor Stephen Blanksby, Pro Vice-Chancellor Research Infrastructure at QUT[Watch the conference recording here](https://youtu.be/k-ZHA16qNxQ) |
| 2:20 pm | Keynote presentation: Dr Matthew RimmerProfessor of Intellectual Property and Innovation Law,Faculty of Business and Law, Queensland University of Technology, AustraliaTitle: The Elgar Companion to Intellectual Property and the Sustainable Development Goals [Watch the conference recording here](https://youtu.be/JWDOIpaetfQ)                 |

**Conference Presentations**

|  | Meeting room 1 | Meeting room 2 | Meeting room 3 |
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| 2:50 pm | Ray O'Brien - University of Otago, Sustainability Office, New Zealand, DunedinSustainable transformation of universities and innovative research focus (Case Study Approach) Title: Leadership by learning design: Active decolonisation[Watch the conference recording here](https://youtu.be/nxQFAaYZBg0) | Rachel Spronken-Smith - University of Otago, New Zealand, DunedinSustainable transformation of universities and innovative research focus (Case Study Approach)Title: Preparing doctoral graduates to be global citizens[Watch the conference recording here](https://youtu.be/6sQNV9VkZ4A) | **Networking or join presentation in Room 1 or room 2** |
| 3:10 pm | Wati Mocevakaca - Fiji National University and Australian Centre for International Agricultural Research, FijiBest practice examples of transdisciplinary research tackling global challengesTitle: Dairy Production Dynamics and Antibiotics Sensitivity Patterns of Bacteria Isolated from Calf Diarrhea in FijiCo-authors: Walter Okello, Anthony Keyburn, Royford Magiri[Watch the conference recording here](https://youtu.be/g7gJXrboVRI) | Iwan Suhardjo - University of Canterbury, New ZealandTransdisciplinary teams: How science can contribute to a sustainable futureTitle: The Role of Digitalization in ESG Performance Communication to External Stakeholders[Watch the conference recording here](https://youtu.be/GEhleHwDNfI) | Yuanita Safitri - University of Canterbury, Media and Communication, New ZealandBest practice examples of transdisciplinary research tackling global challengesTitle: Communicating Sustainability and Climate Change: Case Study on CASE Project[Watch the conference recording here](https://youtu.be/-d3nthFoXMo) |
| 3:30 pm | Manu Thundathil - University of Canterbury, School of Product Design, New ZealandThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Perception-Based Design Approach for Sustainable Materials[Watch the conference recording here](https://youtu.be/mAamyzW1eJc) | Katie Woolaston - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: An argument for pandemic risk management using a multidisciplinary One Health approach to governance: an Australian case study.[Watch the conference recording here](https://youtu.be/3azlpSt_gBE) | Tessa Rixon - Queensland University of Technology, AustraliaSustainable transformation of universities and innovative research focus (Case Study Approach) Title: Designing through climate change: Embedding an ecoscenographic framework into tertiary performance design pedagogy[Watch the conference recording here](https://youtu.be/AeNP0Ae5nRs) |
| 3:50 pm | Zoe Mellick - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Communicating Sustainable Value in the Global Cotton Supply Chain: Certifications, Storytelling, and Interdisciplinary Insights[Watch the conference recording here](https://youtu.be/bGDr9HKzKVI) | Rumintha Wickramasekera - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: Case studies of understanding sustainability and market success of Japanese Firms: Living beyond the 3rd generation.Co-author: Makoto Kanda[Watch the conference recording here](https://youtu.be/vi6qY4MoHf4) | Judy Matthews - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Modern Methods of Construction Shape Sustainable Futures [Watch the conference recording here](https://youtu.be/yHq2hbOiv84) |
| 4:10 pm | Crighton Nichols - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Connected Leadership for Transdisciplinarity Research[Watch the conference recording here](https://youtu.be/gKcoiIlnhaQ) | Susan Schlinker - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: Sustainability with YogaCo-author: Utsav Gupta[Watch the conference recording here](https://youtu.be/le_K4Gqzc10) | Lanxi (Daisy) Li - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: Combining Machine Learning and Satellite Spectral Indices to Map Floods[Watch the conference recording here](https://youtu.be/-mH-eetznTk) |
| 4:30 pm | Sentha Govin-Vel - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: Perspectives on Overparenting Behaviours - Sustainable Mental Health[Watch the conference recording here](https://youtu.be/c_SxY5gXsCs) | Matthew Readette - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Transdisciplinary Approaches for Achieving UNSDGs: The RCT Model and Lessons from a Design SprintCo-authors: Bahar Shafiei and Kaiwen Xue[Watch the conference recording here](https://youtu.be/u5Z8L0EMC9Q) | **Networking or join presentation in Room 1 or room 2** |
| 4:50 pm | Jovanna Nathalie Cervantes Guzman - Queensland University of Technology, AustraliaSustainable transformation of universities and innovative research focus (Case Study Approach)Title: Comparing women's entrepreneurship in two areas: STEM and Bio&MedTechCo-authors: Distinguished Professor Dietmar W Hutmacher, Associate Professor Shane Mathews[Watch the conference recording here](https://youtu.be/pPIyHugxn_s) | John Lyons - Queensland University of Technology, AustraliaSustainable transformation of universities and innovative research focus (Case Study Approach)Title: Using a statistical framework to detect ecological regime shifts in Antarctica.[Watch the conference recording here](https://youtu.be/Y-qnwEE14Kc) | Manuela Benavides - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Polyterra: Dystopian world building and systems thinking for a Circular Plastics Economy[Watch the conference recording here](https://youtu.be/pDNpB-kIGmE) |
| 5:10 pm | Abdulrazzaq Shaamala - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Artificial Intelligence for Green Infrastructure Optimisation to Tackle Climate Change[Watch the conference recording here](https://youtu.be/_yjeNCIGO8U) | Bahar Shafiei & Sagar Jadhav - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challenges Title: Design Sprints for Sustainable Solutions: A reflection of a transdisciplinary and international collaborationCo-authors: Kaiwen Xue, Sagar Jadhav and Matthew Readette[Watch the conference recording here](https://youtu.be/-RQSwkJJ3Ts) | Sarah Kirkham - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Dance and the Future: Exploring Sustainability and Dance in an Education Context[Watch the conference recording here](https://youtu.be/hYsVe0tjkaM) |
| 5:30 pm | Fei Li - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable development Title: Rising urban heat vulnerability[Watch the conference recording here](https://youtu.be/0ni01X21aKI) | Tanya Dodgen - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Leveraging collaboration: How non-academic partnerships can build bridges between scientists and the public[Watch the conference recording here](https://youtu.be/pHbxU2ysx_w) | Hetti Liyanage Himanshi Chamalka Wijesingha - Queensland University of Technology, AustraliaBest practice examples of transdisciplinary research tackling global challengesTitle: A Carbon-neutral, Ecologically Sustainable Pathway for Ammonia Synthesis[Watch the conference recording here](https://youtu.be/DSpcFJ6Bfdk) |
| 5:50 pm | Ritesh Jain - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable futureTitle: Real influence of fictional beings: Spokes characters as environmental communicators[Watch the conference recording here](https://youtu.be/is_vDYF4-YI) | Ella Dewilde - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Fit for use? Assessing the quality of available data used for agricultural sustainability metrics. [Watch the conference recording here](https://youtu.be/T_DH5p127yE) | Nawodi Samarasiri - Queensland University of Technology, AustraliaThe role of transdisciplinary science in addressing research gaps in sustainable developmentTitle: Fostering sustainable international destination attachment by firms in an emerging marketCo-authors: R. Wickramasekara, A. Tan[Watch the conference recording here](https://youtu.be/7aBnPi3YI8Y) |
| 6:10 pm | Kapil Khanna - Queensland University of Technology, AustraliaTransdisciplinary teams: How science can contribute to a sustainable future Title: Adopting Circular Economy Strategies for SMEs: Exploring Opportunities for Competitive AdvantageCo-authors: Swee Kuik and Joowon Ban[Watch the conference recording here](https://youtu.be/UD_jWP7uRgg) | Andrew Reeves - De Montfort University, UKSustainable transformation of universities and innovative research focus (Case Study Approach)Title: Mainstreaming sustainability across a UK university: principles and practices for civic engagement and Education for Sustainable Development[Watch the conference recording here](https://youtu.be/xBwPmNXtb_o) | Isabel Fletcher - University of Edinburgh, UKBest practice examples of transdisciplinary research tackling global challengesTitle: The SHAPE-ID toolkit[Watch the conference recording here](https://youtu.be/CO6HLm7yE6s) |
| 6:30 pm | Tomohiko Sakao - Linköping University, SweedenBest practice examples of transdisciplinary research tackling global challenges Title: Transdisciplinarity research experience and need of global perspectives[Watch the conference recording here](https://youtu.be/nOCL9UVbucQ) | Alicia Minnerup - University of Mannheim, GermanyThe role of transdisciplinary science in addressing research gaps in sustainable development Title: A Quantitative Analysis of the Influence of CEO Characteristics on Company Sustainability in Family vs. Non-Family FirmsCo-author: Jan-Philipp Ahrens[Watch the conference recording here](https://youtu.be/ezdgl97Tcd0) | Biandri Joubert - The University of Witwatersrand, School of Law, South AfricaThe role of transdisciplinary science in addressing research gaps in sustainable development Title: The Potential of Transdisciplinary Research in Removing Barriers to the International Trade of Agricultural Goods[Watch the conference recording here](https://youtu.be/V7-yfE1oilc) |
| 6:50 pm | Conference wrap-up and our future collaboration – Tasha Kitano [Watch the conference recording here](https://youtu.be/fC5pG-rAYBg)Collaborate with the presenters and present audience via our [padlet](https://qut.padlet.org/Natasha_Kitano/egrad-school-global-conference-2023-ml0ns9kb3igym4n9) |