

ITD21 - Pre-crafted sessions overview

By session number

Session 1.1

- **Educating for Sustainability-Oriented Business Model Innovation: More collaborative, inter-, and transdisciplinary approaches with students and organizations are needed** *Ananda Wyss, Michael von Kutzschenbach*; Fachhochschule Nordwestschweiz, Switzerland

Session 1.2

- **Lessons from ID and TD Institutionalization in Socio-ecological Research in Brazil** *Diego Pereira Lindoso, Gabriela Litre, Marcel Burszty*; Universidade de Brasília, Brazil
- **The coordination of challenge-driven research programs: lessons from three case studies** *Laurens Hessels 1 & 2, Isabelle van Elzaker 1, Jos van den Broek 3, Leonie van Drooge 2, Jasper Deuten 1*; 1 Rathenau Instituut, The Netherlands; 2 Centre for Science and Technology Studies, Leiden University; 3 BrabantKennis, The Netherlands

Session 1.3

- **A Citizen Work Group as part of a transdisciplinary research project on nuclear waste disposal in Germany** *Roman Seidl 1, Cord Drögemüller 1, Pius Krütli 2, Clemens Walther 1*; 1 Leibniz University Hannover, Germany; 2 ETH Zurich, Switzerland
- **Open spaces of university campuses as living labs for urban sustainable transformation** *Christoph Kueffer, Cengiz Akandil, Jonas Brännhage, Irina Glander, Sascha Ismail, Jasmin Joshi, Mark Krieger, Severin Krieger, Gabi Lerch*; OST Eastern Switzerland University of Applied Sciences, Switzerland

Session 1.4

- **Integrate the Integrators! A call for establishing academic careers for integration experts** *Sabine Hoffmann 1 & 2, Lisa Deutsch 1 & 3, Julie Thompson Klein 2 & 4, Michael O'Rourke 5 & 6*; 1 Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland; 2 TdLab, Department of Environmental Systems Science, ETH Zurich, Switzerland; 3 Institute for Environmental Decisions, ETH Zurich, Switzerland; 4 Department of English, Wayne State University, USA; 5 MSU, Center for Interdisciplinarity, Michigan State University, USA; 6 Department of Philosophy, Michigan State University, USA

Session 1.5

- **Beyond All Discipline** *Clive Holtham 1, Monica Biagioli 2, Allan Owens 3, Abdelfattah Abusrour 4, Osvaldo Garcia 5*; 1 City, University of London, UK; 2 London College of Communication, University of the Arts London, UK; 3 University of Chester, UK; 4 Alrowwad Cultural and Arts Society, Bethlehem, Palestine; 5 CIGAR, International Center for Reflexive Action, Chile

- **Activating breakthroughs: An online transdisciplinary career development program** *Faye Miller*; Human Constellation, Australia

Session 2.1

- **Building structures to institutionalize TDR in higher education at TU Berlin** *Audrey Podann, Christine Ahrend*; Technische Universität Berlin, Germany
- **Introducing Transdisciplinarity: Two Cinematic Approaches** *Anja Steglich 1, Audrey Podann 1, Ina Opitz 2, Nadin Gaasch 2*; 1 Technische Universität Berlin; 2 Berlin University Alliance, Germany
- **Facilitating a stronger role for the Science for the Carpathians network in the sustainable development of the Carpathian region** *Tamara Mitrofanenko 1 & 2, Joanna Zawiejska 3, Attila Varga 4, Mónika Réti 5*; 1 Institute of Landscape Development, Recreation and Conservation Planning, University of Natural Resources and Life Sciences Vienna, Austria; 2 United Nations Environment Programme, Vienna Programme Office, Secretariat of the Carpathian Convention; 3 Institute of Geography, Pedagogical University of Krakow; 4 Institute of People-Environment Transaction, ELTE Eötvös Loránd University, 23-27 Kazinczy Street, 1075 Budapest, Hungary; 5 Ministry of Human Capacities of Hungary

Session 2.2

- **Understanding how climate information comes to matter. A dialogue on mutual learning about the role of co-production in urban climate governance in the cities of São Paulo and Hamburg** *Laura Schmidt 1, Marcela da S. Feital 2*; 1 Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon, Hamburg, Germany; 2 São Paulo, Brazil
- **Looking at the intersection of the housing and the climate crises in Boston, MA: a transdisciplinary approach** *Patricio Belloy 1 & 2, Sajani Kandel 3*; 1 McCormack Graduate School of Policy and Global Studies, University of Massachusetts Boston; 2 Institute of Economics & Transdisciplinary Center for Environmental Studies, Austral University of Chile; 3 School for the Environment, University of Massachusetts Boston
- **Towards a co-design of adaptation measures to heat events in cities: examples from Heidelberg, Germany** *Kathrin Foshag, Nicole Aeschbach*; Heidelberg University, Germany

Session 2.3

- **Dialogue between transdisciplinary and action research: modus operandi and what we can learn from it** *Varvara Nikulina, Rebecca Laycock Pedersen*; Blekinge Institute of Technology, Sweden
- **Philosophical Background Assumptions in Science-Society Interactions: Mapping the Landscape of Arguments** *Markus Dressel 1 & 2*; 1 Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon; 2 Research Unit Sustainability & Global Change (FNU), Universität Hamburg
- **Values as leverage points for sustainability transformation: reflecting on the underlying assumptions** *Andra-Ioana Horcea-Milcu*; Babeş-Bolyai University, Romania

Session 2.4

- **The Articulator A pedagogical device to deal transdisciplinary complex problems at the University** *Gilberto Zinzún Hernández*; Universidad Nacional Autónoma de México, Mexico

- **Embracing TD and experiential learning to develop resilience in secondary schools** *Monique Potts*; University of Technology Sydney, Australia
- **Will technology save our future? Teaching technology assessment and sustainability** *Clemens Mader 1, Jörn Felix Lübben 2*; 1 Empa, Technology and Society Lab, Switzerland; 2 Albstadt-Sigmaringen University, Department of Sustainable Engineering - Nachhaltige Produkte und Prozesse (STE-NPP), Germany

Session 3.1

- **Transdisciplinary research in natural resources management: towards an integrative and transformative use of co-concepts** *Viola Hakkarainen 1, Katri Elina Mäkinen-Rostedt 2, Andra Horcea-Milcu 3, Dalia D'Amato 4, Johanna Jämsä 5, Katriina Soini 1*; 1 Natural Resources Institute Finland, Latokartanonkaari 9, 00790, Helsinki, Finland; 2 Politics Unit, Faculty of Management and Business, Tampere University, Tampere, Finland; 3 Hungarian Department of Biology and Ecology, Babes-Bolyai University Cluj-Napoca, Romania; 4 Helsinki Institute for Sustainability Science (HELSUS), University of Helsinki, Helsinki, Finland; 5 Department of Geography and Geology, Faculty of Science and Engineering, University of Turku, Finland
- **mQoL: Methodology for Assessing and Modeling Human Aspects in Interactive, Mobile, Wearable and Ubiquitous Computing in Situ** *Katarzyna Wac 1 & 2, Alexandre De Masi 1, Igor Mattias 1, Vlad Manea 1 & 2, Allan Berrocal 1 & 3*; 1 QoL Lab, University of Geneva, Switzerland; 2 QoL Lab, University of Copenhagen, Denmark; 3 University of Costa Rica, Costa Rica
- **Mapping the discourse around transformative and transdisciplinary science for young scholars: sketching a participatory undertaking** *Jan Freihardt 1 & 2, Marco Kellhammer 1 & 3*; 1 Wissenschaft(f)t Zukünfte e.V.; 2 ETH Zürich, Switzerland; 3 TU München, Germany

Session 3.2

- **Community resilience as a guiding mechanism for the execution of an intercultural transdisciplinary project in Guatemala** *Ana Isabella González1, Ana Isabel García 1, Michael Heinrich 2, Mónica Berger-González 1*; 1 Center for Health Studies, Universidad del Valle de Guatemala, Guatemala; 2 School of Ethnopharmacology, University College London, London
- **Co-production of Knowledge and Sustainability Transformations: A Strategic Compass for Global Research Networks** *Flurina Schneider 1 & 2, Theresa Tribaldos 3*; 1 ISOE- Institute for Social-Ecological Research, Germany; 2 Goethe University Frankfurt, Germany; 3 CDE - Centre for Development and Environment, Switzerland
- **Research Atlas: a digital tool to reline discussions between different players** *Wiebke Hahn, Melanie Kryst*; Berlin University Alliance

Session 3.3

- **Formative evaluation of transdisciplinary innovation processes. Opportunities and challenges of impact-oriented adjustment of regional innovation management** *Emilia Nagy, Martina Schäfer*; Technische Universität Berlin / ZTG Center for Technology and Society, Germany
- **Scientific Room-Cleaning or The Practice of Research Management in Inter- and Transdisciplinarity** *Sabine Toussaint*; LMU, Munich University, Germany
- **Research modes and their societal and academic impacts - Demarcating transdisciplinary research in sustainability science within 59 on-the-ground research**

projects *Stephanie Jahn 1, Jens Newig 1, Daniel J. Lang 1, Judith Kahle 1, Matthias Bergmann 1 & 2;* 1 Leuphana University Lüneburg, Germany; 2 Institute for Social-Ecological Research, Germany

Session 3.4

- **Energy infrastructure, landscapes and sound** *Annina Boogen;* Zurich University of Applied Sciences (ZHAW), Switzerland

Session 3.5

- **How to span boundaries? Methodological reflections on transdisciplinary cooperation involving artistic and social research** *Martina Ukowitz, Katrin Ackerl Konstantin;* University of Klagenfurt, Austria
- **Advancing and contextualising arts-based participatory research methods to co-produce transdisciplinary knowledge for sustainable ocean governance** *Mia Strand 1, Nina Rivers 1, Rachel Baasch 2;* 1 Nelson Mandela University, South Africa; 2 Rhodes University, South Africa
- **Suratómica: a collaborative global network of artists and scientists for new knowledge-creation** *Natalia Rivera, Daniela Brill Estrada, Ulrike Kuchner;* Suratómica, Colombia

Session 4.1

- **What counts for transferability of knowledge across cases in transdisciplinary research?** *Carolina Adler 1 & 2 & 4, Gabriela Wülser 1, Christian Pohl 1, Gertrude Hirsch Hadorn 3, Thomas Breu 4, Urs Wiesmann 4;* 1 USYS TdLab, Institute for Environmental Decisions, ETH Zurich; 2 Mountain Research Initiative, University of Bern, Switzerland; 3 Environmental Philosophy Group, Institute for Environmental Decisions, ETH Zurich; 4 Centre for Development and Environment, University of Bern, Switzerland
- **Toolkitting on the Intersection of Creative Humanities and Scholarship of Interdisciplinary Teaching and Learning** *Iris van der Tuin;* Utrecht University, Netherlands, The
- **Towards an inter and transdisciplinary agenda to study sustainable territorial transitions** *Marco Billi 1 & 2, Julio Labraña 2, Catalina Amigo 2, Anahí Urquiza 1 & 2, Nicolás Vergara 2, Roxana Bórquez 1 & 2;* 1 Center for Climate and Resilience Research - (CR)2, Chile; 2 Nucleus in Systemic Transdisciplinary Studies (NEST-R3, Chile)

Session 4.2

- **Where science meets the user. Living lab method to support the co-development of the new urban climate model PALM-4U** *Antonina Kriuger 1, Saskia Dankwart-Kammoun 2, Irina Heese 2;* 1 Climate Service Center Germany (GERICS), Helmholtz Zentrum Hereon, Germany; 2 TU Dortmund University, Germany
- **The ENSO Paradigm: The need for an adaptive, climate-centered policy planning framework** *John Charles Altomonte, Daniel Ratilla;* Ateneo de Manila University, Philippines
- **Non-certified experts or Jane and Joe Public: Stakeholders within a thematically open transdisciplinary research approach** *Ina Opitz 1 & 2;* 1 Berlin University Alliance, Germany; 2 Technische Universität Berlin, Germany

- **Are inter- and transdisciplinary research projects self-transformative devices? Values of Nature and Nature's Contributions to People in ValPar.CH** *Iago Otero 1, Joëlle Salomon Cavin 2, Emmanuel Reynard 1 & 2, Roger Keller 3;* 1 CIRM-UNIL, Switzerland; 2 IGD-UNIL, Switzerland; 3 GI-UZH, Switzerland

Session 4.3

- **Transdisciplinary design of water management concepts in the Andean highlands, Peru** *Fabienne Minn 1, Hannah Kosow 1, Christian León 1, Hanna Kramer 2, Stephan Wasielewski 2, Michael Hügler 3, Stefan Stauder 3, Ana Acevedo 4, Roger Agüero 5, Manuel Krauss 2 & 6, Yvonne Zahumensky 1 & 7;* 1 ZIRIUS Center for Interdisciplinary Risk and Innovation Studies, University of Stuttgart; 2 ISWA Institute for Sanitary Engineering, Water Quality and Solid Waste Management, University of Stuttgart; 3 TZW DVGW Water Technology Center, Karlsruhe; 4 HOMAS Horizontes en Medio Ambiente y Salud, Lima, Peru; 5 SER Asociación Servicios Educativos Rurales, Lima, Peru; 6 FiW Research Institute for Water and Waste Management, RWTH Aachen (current affiliation); 7 GFE Research Center for Global Food Security and Ecosystems, University of Hohenheim (current affiliation)
- **Trans-disciplinarity and on-the-ground translation: co-creation with communities in Brazil and Colombia** *João Porto de Albuquerque 1, Philipp Ulbrich 1, Marcos Rodrigo 2, Alejandro Rivera 3, Edna Rodríguez 4;* 1 University of Warwick, United Kingdom; 2 Universidade Federal do Rio de Janeiro, Brazil; 3 Universidad de Antioquia, Colombia; 4 Institución Universitaria Colegio Mayor de Antioquia, Colombia
- **Increasing the relevance of science for practice and practice for science: Quantitative empirical insights** *Claudia R. Binder 1, Livia Fritz 1, Ralph Hansmann 2, Andreas Balthasar 3, Zilla Roose 3;* 1 EPFL, Switzerland; 2 ETH, Switzerland; 3 University of Lucerne

Session 4.4

- **Fostering Knowledge Integration through Individual Competencies** *Olga Skrebec, Marcel Hunecke;* University of Applied Sciences and Arts Dortmund, Germany
- **Inselkita Spiekeroog - Energy efficient design of an environmental kindergarden for early childhood education on the island Spiekeroog - a collaborative-transdisciplinary higher education teaching project** *Anja Willmann 1 & 3, Lena S. Kaiser 2, Roland Pesch 1, Sebastian Hollermann 1;* 1 Jade Hochschule, Germany; 2 Hochschule Emden-Leer, Germany; 3 Bauhaus-Universität Weimar, Germany

Session 5.1

- **Precrafted Poster- Methodological aspects of social power relations in Td interactions** *Maria De Eguia Huerta, Esther Meyer;* Lighthouse gGmbH, Germany
- **Challenge accepted! - Coping strategies for developing Theories of Change in ITD contexts** *Lisa Deutsch 1 & 2, Brian Belcher 3 & 4, Rachel Claus 3, Sabine Hoffmann 1 & 5;* 1 Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland; 2 ETH Zurich, Institute for Environmental Decisions, Switzerland; 3 Sustainability Research Effectiveness Program, College of Interdisciplinary Studies, Royal Roads University, Canada; 4 Center for International Forestry Research, Indonesia; 5 TdLab, Department of Environmental Systems Science, ETH Zurich, Switzerland
- **A Quality Assessment Framework for Transdisciplinary Research: Lessons from Evaluating Graduate Research Projects** *Rachel Davel 1, Rachel Claus 1, Stephanie M.*

Jones 1, Brian M. Belcher 1 & 2, Daniela Pinto 1; 1 Royal Roads University, Canada; 2 Centre for International Forestry Research, Indonesia

- **QAF 2.0: A Refined Transdisciplinary Research Quality Assessment Framework** Brian M. Belcher 1 & 2, Rachel Claus 1, Rachel Davel 1, Stephanie M. Jones 1, Daniela Pinto 1; 1 Royal Roads University, Canada; 2 Centre for International Forestry Research, Indonesia

Session 5.2

- **tdAcademy - a new interactive (online) platform for the transdisciplinary research community** Josefa Kny 1, David P. M. Lam 2, Matthias Bergmann 3, Bettina Brohmann 4, Maria Freund 2, Daniel J. Lang 2, Oskar Marg 3, Melanie Mbah 4, Martina Schäfer 1, Lena Theiler 3; 1 Center for Technology and Society (ZTG), Technische Universität Berlin, Germany; 2 Leuphana University, Germany; 3 ISOE - Institute for Social-Ecological Research, Germany; 4 Oeko-Institut, Germany
- **Liberating research and education: transdisciplinary methodologies based on Paulo Freire** Gerald Faschingeder 1, Loni Hensler 2, Juliana Merçon 3, Ulli Vilsmaier 1; 1 Paulo Freire Center Austria, Austria; 2 UNAM (National Autonomous University of Mexico); 3 Universidad Veracruzana, Instituto de Investigaciones en Educación
- **Moving from interdisciplinarity to transdisciplinarity: A case study of boundary crossing among students participating in virtual international and interdisciplinary community service-learning module** Sarju Sing Rai, Evert M. van Grol, Marjolein B.M. Zweekhorst; Athena Institute, Vrije Universiteit Amsterdam, the Netherlands
- **Global Perspectives: Multi-spatial trajectories at the nexus of art and science discourse** Christiana Kazakou; i-DAT.org University of Plymouth, United Kingdom

Session 5.3

- **The underused potential of art-science collaborations: improving the balance in collaboration practices between artists and scientists can impact knowledge production** Ulrike Kuchner; University of Nottingham, UK
- **AExpertirience** Daniel Hoernemann; Hoernemann&Walbrodt, Germany

Session 5.4

- **Cut the Crap - Teach for Future! Transdisciplinary Learning for Sustainable Development** Karl Herweg 1, Thomas Tribelhorn 2, Anna Lewis 1, Isabelle Providoli 1, Lilian Trechsel 1, Camilla Steinböck 1; 1 Centre for Development and Environment, University of Bern, Switzerland; 2 Centre for University Continuing Education, Educational Development Unit, University of Bern
- **Learning and experimentation in daily life practices due to the COVID-19 pandemic - results from the "Logbook of Change"** Bettina König 1 & 2, Benjamin Nölting 1; 1 Hochschule für nachhaltige Entwicklung Eberswalde, Germany; 2 Humboldt-Universität zu Berlin, IRI THESys, Germany
- **Creating Transdisciplinary Teaching Spaces. Cooperation of Universities and Non-University Partners to Design Higher Education for Regional Sustainable Transition** Birgit Hoinle 1, Ilka Roose 2; 1 Societal Transformation & Agriculture, University of Hohenheim, Germany; 2 Hochschule für Nachhaltige Entwicklung Eberswalde, DE

Session 6.1

- **Tangible Infrastructures for Living Labs** *Christian Berkes, Prof. Dr. Antje Michel, Ronja Rohr*; University of Applied Sciences Potsdam, Germany
- **The CareLab for People and Planet - a photovoice approach for creating a transformative learning space at a Portuguese Higher Education Institution** *Antje Disterheft, Tomás B. Ramos*; CENSE - Center for Environmental and Sustainability Research, NOVA School of Science and Technology, NOVA University Lisbon, Portugal
- **Laboratorio de diagnóstico COVID-19 en el CAMPUS Interinstitucional de Tacuarembó** *Gustavo Ferreira 1, anecdotario Casnati 2, Gabriela Nogueira 3, Julio Sayes 4*; 1 Universidad de la República / Centro Universitario Regional Noreste/ Sede Tacuarembó / Departamento de Ciencias Económicas; 2 Universidad de la República / Centro Universitario Regional Noreste / Sede Tacuarembó; 3 Universidad de la República / Centro Universitario Regional Noreste/ Sede Tacuarembó / Departamento de Ciencias Económicas, Uruguay; 4 Universidad de la República / Centro Universitario Regional Noreste / Sede Tacuarembó / IIDIS

Session 6.2

- **A multi-actor, multi-staged approach to building transformation pathways for water-related dynamics in periurban India** *Sarah Luft 1, Shreya Chakraborty 1 & 2, Carsten Butsch 1, Sharlene L. Gomes 3, Leon M. Hermans 3*; 1 University of Cologne, Cologne, Germany; 2 SaciWATERS, Hyderabad, India; 3 TU Delft, Delft, Netherlands
- **Intercultural One Health Research in Guatemala: Patients as Bridges Between Knowledge Systems** *Monica Berger-Gonzalez 1, Brigit Obrist 2, Jakob Zinsstag 2*; 1 Universidad del Valle de Guatemala, Guatemala; 2 Swiss Tropical and Public Health Institute, Basel University
- **Contextualising Transdisciplinary Research: Insights from Asia, Africa and Latin America** *Flurina Schneider 1 & 2 & 3*; 1 ISOE, Germany; 2 Goethe University Frankfurt, Germany; 3 CDE - Centre for Development and Environment, Switzerland

Session 6.4

- **Unraveling Configurations of Participatory Collectives: A Literature Review on Effective and Meaningful Academic and Non-Academic Knowledge Integration** *Durwin Lynch, Valentina Vodopivec, Eduardo Muniz Pereira Urias, Dirk Essink, Marjolein Zweekhorst*; Athena Institute, Vrije Universiteit Amsterdam, The Netherlands
- **Participative modelling as method for transdisciplinary integration in the planning of urban futures** *Gabriela Michelini, Diego Dametto, Daniel Klaperski, Antje Michel, Tobias Schröder, Anne Tauch, Roy Popiolek*; Institute Urban Futures, University of Applied Sciences Potsdam, Germany
- **Serious Games as a tool for transdisciplinary communities of practice** *Ulrike Zeshan*; University of Central Lancashire, United Kingdom
- **Observing transdisciplinary-processes through Social-Network Analysis** *Leonhard Späth 1 & 2, Pius Krütli 1, Murat Sartas 3 & 4, Marc Schut 4 & 5, Johan Six 2, Benjamin Wilde 2, Rea Pärli 6*; 1 ETH Zürich, Department of Environmental Systems Science, Transdisciplinarity Lab, Switzerland; 2 ETH Zürich, Department of Environmental Systems Science, Sustainable Agroecosystems, Switzerland; 3 Wageningen University, Knowledge, Technology and Innovation Unit, the Netherlands; 4 International Institute of Tropical Agriculture, Central Africa Hub, Kigali, Rwanda; 5 Consultative Group on International

Agricultural Research, CGIAR System Organization, Montpellier, France; 6 ETH Zürich, Department of Environmental Systems Science, Natural Resource Policy Group, Switzerland

Session 6.5

- **An attempt to strengthen and assess transdisciplinary competences in an undergraduate course** *Marlene Mader, BinBin Pearce, Leonhard Späth, Carmenza Robledo Abad Althaus, Urs Brändle, Livia Hess, Rachel Kunstmann, Gina Saccavino, Yuri Schmid, Christian Pohl*; ETH Zurich, Switzerland
- **(Re)designing university courses to foster transformational mindsets and capabilities to work in transdisciplinary teams** *Kateryna Pereverza 1, Hayley Ho 1 & 2*; 1 KTH Royal Institute of Technology, Sweden; 2 RISE Research Institutes of Sweden