



Science meets Society

ways to co-create knowledge and solutions for ocean sustainability



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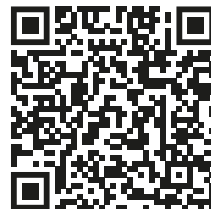
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Christian-Albrechts-Universität zu Kiel
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Location

Audimax, Lecture Hall E

Christian-Albrechts-Platz 4 (CAU)



Science meets society – ways to co-create knowledge and solutions for ocean sustainability

The UN Sustainable Development Goals describe a global agreement on what society seeks to become. They envision a safe and just world, where the fundamental conditions for human prosperity – a stable climate, a clean environment and healthy ecosystems – are maintained. It is clear that in order to deliver on these goals, science and society have to face shifting paradigms and practice. But how do we find the right and lasting strategies for sustainable transition? What is the role of science and society in this process? How do we prepare the next generation for the complexity in problem-solving?

Transdisciplinary (TD) research is a key component of participatory sustainability science. It is a solution-oriented approach that moves beyond the classical disciplinary practice and addresses complex questions that cut across scientific, environmental, and social systems. The goal of TD research is to build and apply multi-disciplinary knowledge by means of integrating scientists, stakeholders and practitioners under a co-defined goal and conceptual framework.

In the lecture series seven guest speakers will inform about TD research concepts and methods. They will give insight to the benefits and challenges of TD work and education through presenting research projects and case studies. The lecture series invites researchers, stakeholders, students and the general public to gain information and inspiration and to join the discussion on how science and society could meet in co-producing knowledge and solutions for ocean sustainability.

7 November 2018 17:00 – 19:00 Dr. Christian Pohl, ETH Zürich

Transdisciplinarity Research: What, Why and How

In this opening session, a first definition of 'transdisciplinarity' will be given. Dr. Pohl will introduce the purpose and key challenges of transdisciplinary (TD) approaches in sustainability science. He will reflect on whether current principles and tools are helpful for getting started with TD research.

Moderation by Prof. Nele Matz-Lück

21 November 2018 17:00 – 19:00 Prof. Harald Heinrichs, Leuphana University Lüneburg

Transdisciplinary Science: Theory, Practice, Challenges

Over the past 20 years, in the context of the socio-political debate on sustainable development, the perspective of 'transdisciplinarity' has developed and gradually established itself. By now, both the theoretical foundation and practical implementation of TD research are well developed. Prof. Heinrichs will present theoretical considerations and practical experiences and will point out the potential, limitations and challenges of TD approaches. An outlook on newer (art-based) methods to overcome current deficits will be discussed.

Moderation by Dr. Annegret Kuhn

5 December 2018 17:00 – 19:00 Dr. Anja Reitz, GEOMAR Helmholtz Centre for Ocean Research Kiel

Knowledge Transfer: Lessons Learned from Transdisciplinary EU Projects

Dr. Reitz will report on the challenge of integrating transdisciplinary approaches in large-scale EU projects, which are characterized by very complex research questions, multi-disciplinary scientific consortia and correspondingly diverse stakeholder groups. She will reflect on the lessons learned from two transdisciplinary EU research projects and will give insight to successes and pitfalls of meeting all (scientific and societal) stakeholders' interests and needs.

Moderation by Prof. Thorsten Reusch

19 December 2018 17:00 – 19:00 Dr. Luisa Galgani, University of Sienna

Citizen Scientists – A New Opportunity to Support Environmental Research and Management of Aquatic Environments

Engaging the general public in scientific discourse (citizen science) not only expands the opportunity for scientific data collection, but can also contribute to raising societal awareness, understanding, and responsibility toward environmental problems. Dr. Galgani will present a successful case study, where access to scientific information and participatory research led to raised community awareness and change of choice and action.

Moderation by Prof. Anja Engel

9 January 2019 17:00 – 19:00 Prof. Jörg Niewöhner, Humboldt-Universität zu Berlin

Co-laboration: Grappling with Problematisations in Ecologies of Expertise

Prof. Niewöhner will introduce the problem of contingency of scientific knowledge and the concept of 'problematisation' in the context of different disciplines, scientists and publics involved in TD research. He will then open up for discussion the tentative notion of 'situated modelling' as a possible approach to handle the complexity in TD science.

Moderation by Prof. Silja Klepp

23 January 2019 17:00 – 19:00 Prof. Matthias Bergmann, Institute of Social-Ecological Research, Frankfurt a.M. and Leuphana University Lüneburg

In Search of Impact – How to Promote Transdisciplinary Research for Society and Science

Transdisciplinary sustainability science, including the co-design of research questions and co-definition of research goals by scientists and societal actors, has shown to efficiently increase the societal impact of science toward sustainable development. Prof. Bergmann will reflect on different conceptual approaches, methods, and success factors of TD research and will present a transdisciplinary curriculum for research-based higher education.

Moderation by PD. Avan Antia

6 February 2019 17:00 – 19:00 David Murphy, AquaTT, Dublin

Bridging the Gap: From Science to Societal Impact, how to maximise value creation from research using transdisciplinary multi-actor approaches

For more than 25 years, AquaTT has been situated in the arena of capacity building; stimulating knowledge exchange and communicating science and knowledge needs between stakeholders and scientists. General Manager David Murphy will report on his experience with transdisciplinary (TD) research projects and knowledge transfer processes and will provide some recommendations for researchers who want to achieve measurable impact from their projects.

Moderation by Prof. Ralph Schneider