



RESEARCH PROJECTS: SUSTAINABILITY, CLIMATE AND ENVIRONMENT

Heidelberg Center for the Environment (HCE)

- Water research network: Effect Network in Water Research (Effect-Net)
- Water research network: Drought Processes, Impacts and Resilience: Making the Invisible Visible (DRleR)
- Climate Action Science – Baden-Württemberg/California Case Study
- Climate Action Science – Heidelberg/Rhein-Neckar District Case Study
- Junior research group: Environment and Health in Arid Regions: Dynamics of Urbanisation, Challenges of Water Resource Management and New Risks for Human Well-Being
- Heidelberg Environmental Analytics Platform (HEAP)
- HCE-START project: Arsenic in Groundwater (completed)
- HEiKA project: Check Extrema – Climatic Extremes in the Historical Past (completed)

Institute for Political Science

- Deep Decarbonisation: The Democratic Challenge of Navigating Governance Traps (DeepDCarb)

Institute for Political Science / Centre for Organismal Studies

- AgroBioDiv: Organic Agriculture for More Biodiversity and Climate Protection

Botanical Garden

- Collections of Endangered Species in Baden-Württemberg
- Evo-BoGa: Plant Collections of Botanical Gardens – Living Resources for Integrative Evolutionary Research

Institute of Geography

- Emission Reduction in Smart Cities Using 3D Spatial Sensing and Analysis (ER3DS)
- meinGrün: Information and Navigation to Urban Green Spaces
- Rhein-Transekt: Long-Term Changes in the Thermal and Water Balance of the Northern Upper Rhine Graben and Adjoining Areas
- Urban Office: Real-World Lab for Sustainable Urban Development
- Climate Protection Map (interactive cartography project) at the Urban Office

TdLab Geography

- Current Landscape Changes at the Aletsch Glacier in the Context of Global Warming
- On the Way to High-Resolution Greenhouse Gas Information for Climate Stakeholders
- Impact of Climate Change on the Woodlands of Rhineland-Palatinate
- Sustainable Urban Development and Climate Adaptation – Heidelberg Case Study
- Transdisciplinary Approaches in Climate Change Research
- Environmental Awareness and Environmental Behaviour in Everyday Life: An Explorative Analysis of Nutrition and Mobility Based on Problem-Centred Interviews

Institute of Earth Sciences

- SAMBA (South American Hydrological Balance and Palaeoceanography during the Late Pleistocene and Holocene) – seagoing expedition to study climate dynamics

Institute of Environmental Physics (work groups)

- Remote Sensing of the Atmosphere
- Research infrastructure: Integrated Carbon Observation System (ICOS) – Central Radiocarbon Laboratory
- Hydrospheric Tracers and Proxies
- Palaeoclimate Dynamics and Variability
- Physics of Isotopologues
- Physics of Environmental Archives
- Satellite Remote Sensing

Research Center for Sustainable Development Law

- Federalism (Reforms), Financial Crisis and Sustainability
- Institutions, Processes and Principles of National and International Water Law
- Municipal Climate Protection Using Renewable Energy Sources
- Achieving Sustainability through Organisation and Procedure

Research Center for Environmental Economics

- COMPLIANCE: the Economics of International Climate Policy
- MultiTip: a Holistic, Multi-Method Approach to Nile Perch Fishery in Lake Victoria
- NatCooP – How Nature Affects Cooperation in Common Pool Resource Systems
- ECOCRIME (completed)
- Climate Engineering Impacts: Between Reliability and Liability (completed)
- Informed Citizens as an Instrument of Environmental Regulation: an Economic Analysis of the Aarhus Convention INFINUM (completed)
- Climate Protection Policy in Ageing Societies: Complex Climate Systems, Cognition and Willingness to Pay (completed)
- Microstructure of the Willingness to Pay for Climate Change Abatement (completed)
- People and Biodiversity Policies (completed)

- Socio-Political Impact of the German Energy Transition (completed)
- Climate Engineering Liability and Reliability: an Integrated Treatment (completed)

Marsilius Kolleg

- Environmental Humanities: Literature of the Anthropocene – Facts, Fiction, Visions
- The Global Governance of Climate Engineering (completed)