

PERSONAL INFORMATION



Prof. Dr. Daniela Jacob

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🌐 www.climate-service-center.de

📅 **Date of birth** 20 June 1961 | 🇩🇪 **Nationality** German | 🏠 **Civil state** Married, one daughter

Visiting professor

at Leuphana Universität Lüneburg, Faculty of Sustainability
Scharnhorststraße 1, 21335 Lüneburg, Germany

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WORK EXPERIENCE

- SINCE 2016** Visiting Professor at Leuphana Universität Lüneburg, Faculty of Sustainability, Lüneburg, Germany
- SINCE 2015** Director of Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon (former: Helmholtz-Zentrum Geesthacht), Hamburg, Germany
- 1995 – 2015** Founder and leader of the wind energy consultant *anemos-jacob*
- 1993 – 2015** Scientist, Max-Planck-Institute for Meteorology, Hamburg, Germany
- 2014 – 2015** Acting Director, Climate Service Center 2.0, Helmholtz-Zentrum Geesthacht, Hamburg, Germany
- 2013 – 2014** Deputy Director, Climate Service Center, Helmholtz-Zentrum Geesthacht, Hamburg, Germany
- 2010 – 2014** Department Head, Climate Service Center, Helmholtz-Zentrum Geesthacht, Hamburg, Germany
- 2009 – 2013** Adjunct Professor for Regional Climate Change, University of Bergen, Norway (Professor II, Secondary employment)
- 1992** Visiting scientist with Dr. Terry Clark, NCAR, Boulder, Colorado, USA
Simulation of snow storms with the Clark model using the two-way nesting technique
- 1991 – 1992** Post-Doc position, GKSS Research Center, Geesthacht, Germany
- 1990 – 1995** Co-Founder and leader of the wind energy consultant *anemos*

EDUCATION AND TRAINING

- MAY 1991** PhD. Dissertation, Universität Hamburg, Meteorology: “Numerische Simulation der Wolkenbildung in einer Land-Seewind-Zirkulation”
- 1986 – 1991** PhD student, GKSS Research Center, Geesthacht, Supervisor: Prof. Dr. Hartmut Graßl
- NOV 1986** Diploma. Thesis: Simulation der Smog-Episode im Januar 1985
- 1980 – 1986** Studies of Meteorology. Technical University Darmstadt

PERSONAL SKILLS

- MOTHER TONGUE** German
- FURTHER LANGUAGES** English: Fluent in reading, writing and understanding
- COMMUNICATION SKILLS** Excellent in scientific dialogues, interviews, panel discussions, presentations and media contacts

- ORGANISATIONAL SKILLS AND LEADERSHIP** Excellent: lead of regional climate modelling development since more than 25 years (WMO-WCRP-CORDEX), department lead at the Max-Planck Institute for Meteorology with growing size of the department, lead of GERICS with growing size and relevance, lead of various networks, German Future Earth national committee lead since 2019
- COMMERCIAL EXPERIENCE** Creation and leadership of the wind energy consultancies anemos (1990-1995) and anemos-jacob, later anemos-jacob GmbH (1995-2015)

AWARDS

- 2022 German Renewables Award, category lifetime achievements, Cluster Erneuerbare Energien Hamburg

COMMUNITY SERVICES AND CONTRIBUTION TO WORKING GROUPS AND ADVISORY BOARDS

ONGOING

- 2023 – 2027 Member of the Regions4Climate Expert Advisory Board
- 2022 – 2026 Member of Kuratorium des Forschungsinstituts für Nutztierbiologie (FBN)
- 2019 – 2025 Member of Wissenschaftlicher Beirat Klimaschutz und Klimafolgenanpassung des Freistaats Thüringen
- 2017 – 2025 Member of Science Review Group (SRG) of the Met Office Hadley Centre (MOHC)
- SINCE 2024 Member of Extraordinary Advisory Board for CS4RRA - Climate Services for Risk Reduction in West Africa
- SINCE 2024 Member of Scientific Advisory Group for the Pathways2Resilience Project
- SINCE 2024 Member of DFG Fachkollegium Atmosphären-, Meeres- und Klimaforschung (FK341)
- SINCE 2023 International Science Council (ISC) Fellowship
- SINCE 2023 Member of the Scientific Advisory Board of the Klimaszenarien.AT initiative
- SINCE 2023 Member of the Advisory Board of the SPES project - Sustainability Performances, Evidence and Scenarios
- SINCE 2023 Member of the External Advisory Board of the Hafentechnische Gesellschaft e.V. (German Port Technology Association)
- SINCE 2022 Member of the Sustainability Advisory Board of the Bethmann Bank AG
- SINCE 2022 Member of Resonanzbeirat of the project KuNaH „Hochschulen in Gesellschaft – Reallabore transformativer Lern- und Forschungsprozesse“
- SINCE 2022 Member of Africa-Europe Foundation Working Group on Climate Adaptation
- SINCE 2021 Honorary Fellow of Euro-Mediterranean Center on Climate Change (CMCC)
- SINCE 2021 Chair of the Scientific Climate Advisory Board of the Hamburg Senate
- SINCE 2021 Spokesperson of the board of the PIER-Profile Climate and Coasts in the Partnership for Innovation, Education and Research Hamburg (PIER)
- SINCE 2021 Member of the Partner*innenkreis of the tdAcademy
- SINCE 2020 Member of Steering Committee of SDSN Germany
- SINCE 2020 Co-Chair of Wissenschaftsplattform Nachhaltigkeit 2030
- SINCE 2019 Leading member of Helmholtz Earth and Environment Working Group on High Performance Computing and member since 2011

- SINCE 2019 Board member of Deutsche Gesellschaft für Meeresforschung (DGM)
- SINCE 2019 Member of the Earth League
- SINCE 2019 Member of the coordination group of the Klimacampus Hamburg
- SINCE 2017 Member of Transdisciplinary Advisory Board (TAB) of the Joint Programming Initiative "Connecting Climate Knowledge for Europe" (JPI Climate)
- SINCE 2017 Member of Deutsches Komitee für Nachhaltigkeitsforschung in Future Earth (since 2019 Chair)
- SINCE 2015 Member of the Peer Review Board of the Neumann Institute for Computing (NIC)
- SINCE 2014 Member of CORDEX Scientific Advisory Team (since 2020 Co-Chair)
- SINCE 2014 Member of Wissenschaftlicher Beirat "klimafakten.de"
- SINCE 2011 Coordinator of the EURO-CORDEX initiative (together with Eleni Katragkou, Aristotle University of Thessaloniki, and Stefan Sobolowski, Bjerknes Centre for Climate Research)
- SINCE 1994 Scientific leader of model development and application of the regional climate model REMO

COMPLETED

- 2023 – 2024 Member of the Advisory Board to the OECD-Project "Climate Neutrality of the Hamburg Economy by 2040" of the Handelskammer Hamburg
- 2022 – 2024 Member of Strategic Advisory Board of Destination Earth Initiative
- 2021 – 2024 Member of the External Advisory Board of the eFlows4HPC Project
- 2020 – 2024 Member of DFG Fachkollegium Atmosphären-, Meeres- und Klimaforschung (FK313)
- 2015 – 2024 Founding Editor-in-Chief for Elsevier Journal *Climate Services*
- 2022 – 2023 Member of DFG Präsidialkommission Nachhaltigkeit
- 2021 – 2023 ECMWF-Fellow (Focus of Fellowship work: Regional climate modelling and climate services)
- 2020 – 2023 Member of Advisory Board of Hamburg Wasser
- 2020 – 2023 Member of Beirat zur „Machbarkeitsstudie Klimaplan“ of the Hamburg Senate
- 2019 – 2023 Member of Advisory Board iCLIMATE Aarhus University Interdisciplinary Centre for Climate Change
- 2020 – 2022 Member of working group "Hochschulkommunikation" der Hochschulrektorenkonferenz (HRK)
- 2019 – 2022 Member of Advisory Board Climate Change Graz, University of Graz, Austria
- 2021 Member of Wissenschaftliches Kuratorium des Bürgerrates Klima
- 2020 – 2021 Member of Search and Selection Committee for the 'Physical Sciences' of the Körber Foundation European Science Prize
- 2019 – 2021 Member of European Commission's Mission Board on Adaptation to Climate Change including Societal Transformation
- 2015 – 2021 Member of the Scientific Advisory Board of the Neumann Institute for Computing (NIC)
- 2015 – 2021 Member of the Scientific Advisory Panel of Euro-Mediterranean Center on Climate Change (CMCC)
- 2015 – 2021 Member of WASCAL Scientific Advisory Committee
- 2019 – 2020 Member of Editorial Board of Future Earth's „Our future on Earth“
- 2019 – 2020 Co-Patronage for launch of 3. Hamburger Zukunftspreis 2020 des Zukunftsrates Hamburg
- 2019 Member of the Expert Advisory Board of the Copernicus Roadmap for European Climate Projections
- 2017 – 2019 Ex-officio member of the Earth League

- 2015 – 2019 Member of the “Thüringer Klimarat”
- 2015 – 2019 Member of the Scientific Advisory Board of the Helmholtz Centre for Environmental Research (UFZ)
- 2017 – 2018 Coordinating Lead Author, IPCC SR1.5
- 2006 – 2018 Member of the Scientific Advisory Board of the Wegener Center for Climate and Global Change, University of Graz, Austria
- 2018 Member of Editorial Board of Future Earth’s “State of our Planet”
- 2011 – 2016 Scientific Member of Kommission Wasserforschung (KOWA), DFG
- 2015 Member of Science Advisory Committee of the 4th Adaptation Futures conference
- 2014 – 2015 Member of Expert Group for the EU Roadmap on Climate Services, European Commission
- 2014 – 2015 Member of Nationale Plattform Zukunftsstadt (NPZ)
- 2007 – 2015 Review Panel Member of the European Research Council (ERC)
- 2012 – 2014 Member of the Jury “Renewable Energy Award”
- 2010 – 2014 Lead Author, IPCC WGII AR5
- 2010 – 2014 Founding Editor-in-Chief of the Journal *Atmosphere*
- 2006 – 2011 Member of the IOW Scientific Advisory Board, Baltic Sea Research Institute, Warnemünde, Germany
- 2005 – 2010 Member of the BALTEX Science Steering Group (BSSG)
- 2007 – 2009 Member of the UN Expert Group on Climate Change and Water (WWAP)
- 2004 – 2009 Member of the ENSEMBLES Management Board
- 2007 – 2008 BALTEX, Co-Chair of the Working Group on BALTIC GRID
- 2007 Member of the Int. Science Advisory Council of the Netherlands National Research Programme Climate Changes Spatial Planning
- 2007 Expert Reviewer for the Natural Sciences and Engineering Research Council of Canada (NSERC)
- 2002 – 2005 DEKLIM-speaker for the area Baltic Sea
- 2002 – 2003 Member of the Scientific Steering Committee of ProMed, Project Mediterranean

**SUPERVISOR OF
DIPLOMA/MASTER STUDENTS
(COMPLETED)**

-
- KIRA SCHULZ Analyse von Gesundheitsindizes für Europa im wandelnden Klima (2015)
 - THOMAS REMKE On the variability in a regional climate model using dynamical downscaling with frequent reinitializations (2014)
 - JULIANE PETERSEN Rückwirkungen von Landnutzung und Bewässerung auf das simulierte lokale und regionale Klima der Metropolregion Hamburg (2012)
 - BASTIAN EGGERT Auswirkungen der Oberflächeneigenschaften in REMO auf die Simulation der unteren Atmosphäre (2011)
 - STEPHANIE FIEDLER Model Performance and Climate Change Assessment with REMO and REMO-HAM in East Asia (2011)
 - KATHARINA KLEHMET Klima in Ostafrika – Modellvalidierung und Untersuchung regionaler Charakteristika (2009)
 - RICHARD SCHMITT Schneelast an Stromleitungen – Heute und in Zukunft (2009)
 - IVY FRINGER Untersuchung der Auswirkungen der Landnutzungsänderung / Landoberflächenänderung in Westafrika auf das Klima mit Hilfe des Regionalen Klimamodells REMO (2008)

- JÖRN ALEXANDER Rückkoppelungseffekte der Vegetation auf das Klima der Barentssee-Region im regionalen Modell REMO (2006)
- TANJA BLOME Simulationen zum Klima der Barents-See-Region: Heutiges Klima und mögliche Klimaänderungen durch eine abgeschwächte THC im Nordatlantik (2005)
- AHMED QURESHI Sensitivity Study of Different Land Use Changes in the Elbe River Basin (2005)
- PETRA GÜNNEWIG Die Atmosphärische Grenzschicht in Lidarmessungen und REMO-Simulationen (2004)
- PAULA POEPEL Validierung der simulierten Wolkenstruktur an Hand von Beobachtungen aus der BBC Messkampagne (2004)
- EVA MAZURKEWITZ Jahrgang der Landoberflächendaten – Aufbereitung für den Mosaic-Ansatz (2003)
- DIANA RECHID Untersuchung zur Parameterisierung von Landoberflächen im regionalen Klimamodell REMO (2001)
- SUSANNE PFEIFER Validierung des regionalen Klimamodells REMO anhand eines extremen Schneefallereignisses im Dezember 1998 über Südschweden (2001)
- PHILIP LORENZ Simulation von Starkniederschlägen während des Oderhochwassers 1997 mit REMO (1999)

SUPERVISOR OF PHD STUDENTS (ONGOING WITH WORKING TITLES)

- TANIA Y. GUILLÉN BOLAÑOS Progress on climate adaption – Identifying ways for enhancing the implementation and assessment of progress on climate adaption (submitted 2024, Universität Hamburg)

SUPERVISOR OF PHD STUDENTS (COMPLETED)

- ROBIN SCHWEMMLE Sustainable tools for hydrological modelling – a 1D soil hydrological model for conservative tracers and a diagnostic model evaluation approach (2023, Universität Freiburg i. Br.)
- KATRIN ZIEGLER Implementierung von verbesserten Landoberflächenparametern und -prozessen in das hochaufgelöste Klimamodell REMO (2022, Universität Würzburg)
- CRISTOBAL REVECO Exploring the use of climate information in practice (2022, Universität Hamburg)
- GABY LANGENDIJK High resolution regional-to-local climate modelling for urban application (2022, Leuphana, Lüneburg)
- LENNART MARIEN Towards well-balancing the regional hydrostatic climate model REMO (2020, Leuphana, Lüneburg)
- MARIUS STANKOWEIT Assessing the Risks of Climate Change on Electricity Grid Infrastructure (2020, Leuphana, Lüneburg)
- THOMAS REMKE Assessing climate change impacts on wind energy financing (2020, Leuphana, Lüneburg)
- BASTIAN EGGERT Improvements and uncertainties in high-resolution climate simulations (2018, Leuphana, Lüneburg)
- JONI-PEKKA PIETIKÄINEN Aerosols and climate: from regional to global modelling (2015, University of Eastern Finland)
- THOMAS RAUB The Water and Heat Cycles in a Coupled Ocean-Atmosphere-Model for the Baltic Sea (2014, Universität Hamburg)
- CHRISTINE RADERMACHER Causes for regional changes in heavy precipitation over Europe (2013, Universität Hamburg)
- ARMELLE R. REMEDIO Connections between the mesoscale convective systems and the regional scale flows in South America (2013, Universität Hamburg)
- KEVIN SIECK Internal Variability in the Regional Climate Model REMO (2013, Universität Hamburg)
- SWANTJE PREUSCHMANN Regional surface albedo characteristics - analysis of albedo data and application to land-cover

- changes for a regional climate model (2012, Universität Hamburg)
- ALBERTO ELIZALDE** The Water Cycle in the Mediterranean Region and the Impact of the Climate Change (2011, Universität Hamburg)
- ANDREAS HÄNSLER** Impact of climate change on the coastal climate of South-Western Africa (2011)
- PHILIP LORENZ** Einfluss der Zwei-Wege Nestung auf die Ergebnisse globaler und regionaler Klimasimulationen (2011, Universität Hamburg)
- FAHAD SAAED** Impact of irrigation on South Asian monsoon climate (2011)
- KATHARINA BÜLOW** Zeitreihenanalyse von regionalen Temperatur- und Niederschlagssimulationen in Deutschland (2009, Universität Hamburg)
- BORBOLA GÁLOS** Analysis of forest-climate interactions, applying the regional climate model REMO (2009, University of West Hungary, Sopron)
- RUUD HURKMANS** Effects of climate variability and land use changes on the water budget of large river basins (2009, Wageningen University, Member of the committee for the examination, external reviewer)
- CLAAS TEICHMANN** Climate and Air Pollution Modelling in South America with Focus on Megacities (2009, Universität Hamburg)
- HOLGER GÖTTEL** Einfluss der nicht-hydrostatischen Modellierung und der Niederschlagsverdriftung auf die Ergebnisse regionaler Klimamodellierung (2008, Universität Hamburg)
- DIANA RECHID** On biogeophysical interactions between vegetation phenology and climate simulated over Europe (2008, Universität Hamburg)
- SVEN KOTLARSKI** A subgrid glacier parameterization for use in regional climate modelling (2007, Universität Hamburg)
- CAROLYN NARAYAN** IMPRS-Stipendiatin, Atmosphärischer CO₂-Transport (2006, Universität Hamburg, co-advisor)
- SUSANNE PFEIFER** Modelling cold cloud processes with the regional climate model REMO (2006, Universität Hamburg)
- TIDO SEMMLER** Der Wasser- und Energiehaushalt der arktischen Atmosphäre (2002, Universität Hamburg)
- SUSANNE BAUER** Atmosphären-Chemiemodellierung mit dem Modell GESIMA (2001, Universität Hamburg, co-advisor)
- RENATE HAGEDORN** Ein gekoppeltes Atmosphären-Ozean-Modell für das Ostsee- Einzugsgebiet (2000, Christian-Albrechts-Universität zu Kiel, co-advisor)
- ANDREAS ROESCH** Assessment of the Land Surface Scheme in Climate Models with Focus on Surface Albedo and Snow Cover (1999, ETH Zürich, co-advisor)

MEMBERSHIPS

- Deutsche Meteorologische Gesellschaft (DMG)
- European Geophysical Union (EGU)
- Deutsche Gesellschaft für Meeresforschung (DGM)

THIRD-PARTY FUNDED PROJECTS

- BMBF** WaRisCo – Water Risks and Resilience in Urban-Rural Areas in Southern Africa - Co-Production of Hydro-Climate Services for an Adaptive and Sustainable Disaster Risk Management (2024 – 2028)
- UDAG – Updating the Data basis for Adaptation to climate change in Germany (2023 – 2026)
- ClimXchange / CS4eXtremes II - Science-Stakeholder Exchange on Climate Extremes for Disaster Risk Reduction (2023 – 2026)

CICLES - Customized and Integrated Climate Services for Improved Resilience and Sustainable Socio-Economic Development in West Africa (2023 – 2026)

WPN20230 – Science Platform Sustainability 2030 (2023 – 2026)

WIRKsam (wiss. Koordination zur Entwicklung eines regionalen Klimakatasters, BMBF Fördermaßnahme RegKlim) (2020 – 2026)

NUKLEUS (Querschnitt regionale Klimamodellierung, BMBF Fördermaßnahme RegKlim) (2020 – 2026)

SASSCAL-TIPPEC – Climate change information for adapting to regional tipping points in Southern Africa (2022 – 2025)

Technologieplattform H₂Mare (Verbundprojekt PtX-Wind & Verbundprojekt TransferWind) (2021 – 2025)

CARBOSTORE – Carbon Storage in German Coastal Seas (2021 – 2024)

CDRSynTra (Begleit- und Synthesevorhaben der Verbundprojekte in der Förderlinie Carbon Dioxide Removal) (2021 – 2024)

LANDSURF – Landschaftsoberflächenprozesse als Determinante des Klimawandels in Afrika (2021 – 2024)

KERES – Kulturgüter vor den Auswirkungen von Extremklimaereignisse schützen und Resilienz erhöhen (2020 – 2023)

ClimXtreme / CS4eXtremes – Climate Services for Extremes (2020 – 2023)

ProPolis – Grundlagen der Operationalisierung (2019 – 2023)

Klimapolis Laboratory – Joint Laboratory on Urban Climate, Water and Air Pollution: Modelling, Planning, Monitoring, Social learning (2018 – 2021)

GROW-Verbundprojekt ViWA – Virtual Water Values: Multiskaliges Monitoring der globalen Wasserressourcen und Optionen für ihre effiziente und nachhaltige Nutzung (2017 – 2020)

MiKlip II – Mittelfristige Klimaprognosen II: Development of an internationally competitive decadal climate prediction system (2015 – 2019)

UseUClim: Review of practical and user serviceability of an urban climate model to foster climate proof urban development (2016 – 2019)

HAPPI-DE: Klima- und Klimafolgenprojektionen bei 1.5°C gegenüber 2°C Erwärmung im Rahmen der HAPPI-Initiative (2017 – 2018)

GLACINDIA: Water related effects of changes in glacier mass balance and river run-off in western Himalaya, India: past, present and future (2014 – 2016)

ReKliEs-De – Regionale Klimaprojektionen Ensemble für Deutschland (2013 – 2016)

MiKlip – Mittelfristige Klimaprognosen: Development of an internationally competitive decadal climate prediction system (2011 – 2015)

SASSCAL – Southern African Science Service Centre for Climate Change and Adaptive Land Management (2013 – 2015)

TFO – The Future Okavango: Scientific support for sustainable land and resource management in the Okavango basin (2010 – 2015)

Im Förderschwerpunkt KLIMZUG: KLIMZUG-NORD, Querschnittsthema KLIMA: Robustheit von Klimaänderungsmustern und Rückwirkungen von Anpassungsmaßnahmen auf das regionale Klima (2009 – 2014)

C3Grid – INAD Towards an Infrastructure for General Access to Climate Data: Zur Unterstützung des Workflows der Erdsystemforscher (2010 – 2013)

Zum Schwerpunktthema GLOWA-DANUBE: Regionale Klimamodellierung – Entwicklung und Bereitstellung von REMO-Szenarien zum Klimawandel des Wasserkreislaufs im Einzugsgebiet der Oberen Donau (2007 – 2010)

Zum Schwerpunktthema BIOTA-SÜD: Interactions between land use changes and the local and regional climate (2003 – 2009)

GENUS: Einfluss des Klimawandels auf biogeochemische Zyklen und ökologische Prozesse im Schelfgebiet des Südostatlantiks (2009 – 2012): Hochaufgelöste Simulationen der atmosphärischen Strömungsbedingungen über dem Benguela- Küstenauftriebsgebiet während der Kleinen Eiszeit, der Mittelalterlichen Wärmeperiode (1970 – 2008)

Zur Ostseeforschung: BALTIMOS, Koordination des DEKLIM-Verbundes, Entwicklung und Validierung eines gekoppelten Modellsystems in der Ostseeregion (2001 – 2005)

Zur Quantifizierung von Unsicherheiten in der regionalen Klimamodellierung: IVECC, innerhalb DEKLIM: Einfluss der Vegetation auf regionale Klima- und Klimaänderungssimulationen (2001 – 2005)

Zum Schwerpunktthema GLOWA-ELBE: Regionale Klimasimulationen zur Untersuchung der Niederschlagsverhältnisse in heutigen und zukünftigen Klimaten (2000 – 2003)

Zum MAPP Demonstrationsprojekt: Wolken- und Feuchteparameter aus MERIS-Daten zur Assimilation in mesoskalige Modelle und deren Validierung (2000 – 2001)

Zur Modellierung von Rheinhochwassern: Regionales Klimamodell zur meteorologischen und hydrologischen Vorhersage extremer Ereignisse am Beispiel des Rhein-Einzugsgebietes (1999 – 2000)

Zum Troposphärenforschungsschwerpunkt (TFS): Entwicklung und Anwendung einer Modellhierarchie zur Berechnung chemischer Prozesse in der Troposphäre unter heutigen und zukünftigen Emissionsbedingungen (1996 – 2000)

Zum Schwerpunktthema Wasserkreislauf: Modellierung und numerische Experimente für BALTEX (1994 – 1997)

BMDV CoKLIMAx – Nutzung von Copernicus-Daten zur klimaresilienten Stadtplanung am Beispiel von Wasser, Wärme und Vegetation (2021 – 2024)

BMEL Beets4Future – Die Zuckerrübe der Zukunft (2023 – 2026)

BMVBS KLIWAS: Auswirkungen des Klimawandels auf Wasserstraßen und Schifffahrt – Entwicklung von Anpassungsoptionen (2009 – 2014)

BMWK ExtrA – Graswurzelbewegung bei der Energiewende: Die Rolle von Extremereignissen für die gesellschaftliche Akzeptanz nachhaltiger Wärmeversorgung (2023 – 2026)

KliWiSt – The influence of climate change on wind energy site assessments (2021 – 2024)

UBA UFOPLAN-Vorhaben 20441138: Klimaauswirkungen und Anpassung in Deutschland- Phase1: Erstellung regionaler Klimaszenarien für Deutschland (2004 – 2007)

**HELMHOLTZ:
HEREON I2B-FONDS** GERICS Department Coastal Climate Services (2019 – 2021)

**HELMHOLTZ:
HEREON WISSENS- UND
TRANSFERSFONDS** Bridging the Gap (2017 – 2019)

**HELMHOLTZ:
IMPULS- UND
VERNETZUNGSFONDS AND
INNOVATIONSPPOOL** DACStorE – A Comprehensive Approach to Harnessing the Innovation Potential of Direct Air Capture and Storage for Reaching CO₂-Neutrality (2022 – 2027)

HI-CAM (Helmholtz Klima-Initiative): Cluster 1 "Net-Zero-2050" (2019 – 2021), Phase 2 (2023 – 2024)

CASCO – Risk workflow for cascading and compounding hazards in coastal urban areas (2022 – 2024)

ADAPTER – ADAPt TERrestrial Systems (2019 – 2023)

PL-ExaESM – Pilot Lab Exascale Earth System Modelling (Oct 2019 - Sept 2022)

Digital Earth – Towards Smart Monitoring and Integrated Data Exploration of the Earth System (2018 – 2022)

SYnAPTIC – A SYstems dynamics approach to enable the development of climate change AdaPTation pathways in an urban setting for elements of critical Infrastructure and related Cascading effects (2018 – 2020)

ESM – Advanced Earth System Modelling Capacity: To contribute solving grand challenges mankind is facing by developing and applying innovative Earth system modelling capacity (2017 – 2020)

Exzellenznetzwerk zum Clusterantrag CLICSS (Cluster of Excellence “Climate, Climatic Change, and Society”) (2018 – 2020)

DFG DKN (Deutsches Komitee für Nachhaltigkeitsforschung in Future Earth) Geschäftsstelle (2019 – 2026)

CLICSS (Cluster of Excellence “Climate, Climatic Change, and Society”) – Wissenstransfer (2019 – 2025)

CLICSS (Cluster of Excellence “Climate, Climatic Change, and Society”) – Sustainable Land-Use Scenarios (C2) (2020 – 2023)

Consultant, deputy and sub project leader in „Sonderforschungsbereich 512: Tiefdruckgebiete und Klimasystem des Nordatlantik“ (1998 – 2010)

EIFER (EUROPEAN INSTITUTE
FOR ENERGY RESEARCH,
KARLSRUHE)

ANKE: Anpassungsstrategien an rezente und zu erwartende Klimatrends für EnBW (2006 – 2009)

GIZ (DEUTSCHE
GESELLSCHAFT FÜR
INTERNATIONALE
ZUSAMMENARBEIT)

CONGO: Klimawandelszenarien für das Kongobecken (2010 – 2012)

IASS E.V.

Wissenschaftsplattform Nachhaltigkeit (2020 – 2022)

LAND NIEDERSACHSEN

Im Forschungsverbund KLIFF, QT1: Dynamical Downscaling (2009 – 2013)

LANDESFORSCHUNGS-
FÖRDERUNG HAMBURG

Hybride - Chancen und Herausforderungen von neuen genomischen Kombinationen (2017 – 2020)

ROBERT-BOSCH-STIFTUNG

Mapping zur Förderung Nachhaltigkeitsforschung (2019)

INTERNATIONAL THIRD-PARTY FUNDED PROJECTS

EU: HORIZON EUROPE

IDAlert - Indicators and Tools for Monitoring Infectious Disease Risks with Climate Change (2022 – 2027)

Climateurope2: Supporting and standardising climate services in Europe and beyond (2022 – 2027)

CROSSEU - Cross-sectoral framework for socio-economic resilience to climate change and extreme events in Europe (2024 – 2026)

CLIMABOROUGH: Building green and climate neutral city-hubs (2023 – 2026)

OptFor-EU: Optimising forest management decisions for a low-carbon, climate resilient future in Europe (2023 – 2026)

VALORADA: Validated Local Risk Actionable Data for Adaptation (2023 – 2026)

IMPETUS4Change - Supporting the formulation of adaptation strategies through improved climate predictions in Europe and beyond (2022 – 2026)

The HuT - The Human-Tech Nexus: Building a safe haven to cope with climate extremes (2022 – 2026)

- MAGICA – Maximizing the synergy of European research Governance and Innovation for Climate Action (2022 – 2026)
- CIRCE - City-oriented Impacts of Regional Climate for Europe (2023 – 2025)
- SUNRISE - Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe (2022 – 2025)
- EU: COST LILY - Large-scale Interdisciplinary Alliance on Nature-based SoLutions and Health: Indicators, Inequality and Innovation (2024 – 2028)
- EU: INTERREG BEACH-SOS - Coastal tourism adaptation to climate change (2023 – 2025)
- EU: HORIZON 2020 OPERANDUM – OPEn-air laborAtoRies for Nature baseD solUtions to Manage hydro-meteo risks (2018 – 2022)
- EUCP – EUropean Climate Prediction system: producing actionable climate information for risk-based planning (2017 – 2022)
- AFTER - Impact of climate change and climate extremes on the agriculture and forestry in the Europe-Russia-Turkey region (2018 – 2021)
- ERA4CS – European Research Area for Climate Services (2016 – 2021)
- ClimatEurope – Linking science and society: European climate observations, modelling, and services (2015 – 2021)
- CLISWELN - Water-Energy-Land Nexus: from Resource Security to Synergies in Practice (Oct 2017 - Sept 2020)
- INNOVA - Innovation in Climate Services Provision (Oct 2017 - Sept 2020)
- NAIAD (Nature Insurance Value: Assessment and Demonstration (2016 – 2020)
- IMPRES – Improving predictions and management of hydrological extremes (2015 – 2019)
- EU-MACS – European Market for Climate Services (2017 – 2018)
- EU-MARCO – Market Research for Climate Services Observatory (2017 – 2018)
- EU: EU LIFE LIFE LOCAL ADAPT - Integration of climate change adaptation into the work of local authorities (2016 – 2021)
- EU: COPERNICUS CLIMATE CHANGE SERVICE/ ECMWF PRINCIPLES – Producing RegIoNal ClIimate Projections Leading to European Services (2017 – 2021)
- GLORIOUS – GLObal useRs In the cOPernicUs climate change Service (2017 – 2019)
- DECM – Data Evaluation for Climate Models (2016 – 2018)
- Clim4Energy – Providing climate products tailored for the energy sector (2016 – 2017)
- SECTEUR (Sector Engagement for C3S, translating European User Requirements (2016 – 2017)
- EU: FP7 CLIPC – Climate Information Platform for Copernicus (2013 – 2016)
- IMPACT2C – Quantifying projected impacts under 2°C warming (2011 – 2015)
- ECLISE – Enabling Climate Information Services for Europe (2011 – 2014)
- CCTAME – Climate Change: Terrestrial Adaptation and Mitigation in Europe (2008 – 2013)
- ACQWA – Assessing Climatic Change and impacts on the quantity and Quality of Water (2008 – 2013)
- CARBO-EXTREME – The terrestrial Carbon cycle under Climate Variability and Extremes a Pan-European synthesis (2009 – 2013)
- Climate for Culture – Damage risk assessment, macroeconomic impact and mitigation strategies for sustainable preservation of cultural heritage in the times of climate change (2009 – 2013)
- COMBINE – Comprehensive Modelling of the Earth System for Better Climate Prediction and Projection (2009 – 2013)

ATP – Arctic Tipping Points (2009 – 2012)

CLARIS-LPB – A Europe-South America Network for Climate Change Assessment and Impact Studies in La Plata Basin (2008 – 2012)

HIGHNOON – Adaptation to changing water resources availability in northern India with Himalayan glacier retreat and changing monsoon pattern (2009 – 2012)

SafeLand – Living with landslide risk in Europe: Assessment, effects of global change, and risk management strategies (2009 – 2012)

LAIC – Land-Atmosphere Interactions in China (2009 – 2011)

EU: FP6 CIRCE – Climate change and Impact Research: the Mediterranean environment (2007 – 2010)

CLAVIER – Climate Change and Variability: Impact on Central and Eastern Europe (2006 – 2009)

NEWATER – New Approaches to Adaptive Water Management under Uncertainty (2005 – 2009)

CLARIS – A Europe-South America Network for Climate Change Assessment and Impact Studies (2004 – 2007)

ENSEMBLES – Ensemble-based Predictions of Climate Changes and their Impacts (2004 – 2009)

GEMS – Global and regional Earth system monitoring using Satellite and in-situ data (2004 – 2010)

EU: FP5 BALANCE – Climate Change Vulnerabilities in the Barents Region: Linking Arctic natural resources, climate change and economies (2002 – 2005)

PRUDENCE – Prediction Uncertainties describing European Climate Change and Effects (2001 – 2004)

EU: FP4 NEWBALTIC I and II – Numerical Studies of the Energy and Water Cycle of the Baltic Region (1996 – 2000)

PEP – Long Term Measurements and Modelling of Evaporation and Precipitation (1997 – 2000)

SFINCS – Implementation and Validation of Improved Flux Parameterizations in Climate and Weather Forecasting Models (1997 – 2000)

BELMONT FORUM AND FUTURE EARTH

PACPATH - Pacific Ocean Pathways in support of sustainable development (2021 – 2023)

E3S – Extreme Events and Environments from Climate to Society (2014 – 2016)

AUSTRIAN SCIENCE

HighEnd: Extremes: The Future of Extreme Precipitation Events in the Alpine Region under High End Climate Change Conditions (2014 – 2017)

NHCM-2: Non-Hydrostatic Climate Modelling, Part II (2013 – 2015)

WIOMSA (Western Indian Ocean Marine Science Association)

CICLICO - Cities and Climate Change in Coastal Western Indian Ocean – A Grand Challenge (2019 – 2022)

TEACHING ACTIVITIES

WS 2024/25 Climate Adaptation (für BSc- und MSc-Studenten, mit den GastdozentInnen Maria Manez, Laurens Bouwer, Claas Teichmann). Leuphana University of Lüneburg

WS 2023/24 Climate Adaptation (für BSc- und MSc-Studenten, mit den GastdozentInnen Maria Manez, Jo-Ting Huang-Lachmann, Laurens Bouwer, Claas Teichmann). Leuphana University of Lüneburg

Oct 2022 Future Earth Research School (FERS) – Course Adaptation and sustainable risk management

SS 2022 Climate Adaptation (für BSc- und MSc-Studenten, mit den GastdozentInnen Maria Manez, Jo-Ting Huang-Lachmann, Laurens Bouwer, Claas Teichmann). Leuphana University of Lüneburg

SS 2020 Climate Adaptation (für BSc- und MSc-Studenten, mit den GastdozentInnen Diana Rechid, Claas Teichmann). Leuphana University of Lüneburg

- WS 2019/20 Stadtklima im Klimawandel zwischen Klimaschutz und Anpassung. Leuphana University of Lüneburg
- WS 2018/19 Stadtklima im Klimawandel zwischen Klimaschutz und Anpassung. Leuphana University of Lüneburg
- WS 2016/17 Stadtklima im Klimawandel zwischen Klimaschutz und Anpassung. Leuphana University of Lüneburg
- WS 2015/16 Wie erhalten wir ein bioklimatisch lebenswertes Stadtklima? Leuphana University of Lüneburg
- Oct 2008 Autumn School on Climate change, causes and Impacts. Cyrus
- Sept 2007 1st International Summer School on the MPI-M Earth System Modelling Framework. Introduction to Modelling. Hamburg
- WS 2005/06 Simulation of Ecosystems. Hochschule für Angewandte Wissenschaften, Hamburg
- WS 2004/05 Simulation of Ecosystems. Hochschule für Angewandte Wissenschaften, Hamburg
- Summer 2002 Teaching activity during the Advanced Study Course IRISEN-II (Integrated Regional Impact Studies in the European North: Basic Issues, Methodologies and Regional Climate Models (IRISEN-II))
- WS 1996/97 Seminar Regional Modelling. Universität Hamburg

FURTHER ACTIVITIES

- 2024 8 Interviews for magazines, newspapers, radio and TV (as of 31. Oct. 2024)
- 2023 9 Interviews for magazines, newspapers, radio and TV
- 2022 13 Interviews for magazines, newspapers, radio and TV
Participation in the Think 7 process accompanying the G7 summit 2022
- 2021 17 Interviews for magazines, newspapers, radio and TV
- 2020 10 Interviews for magazines, newspapers, radio and TV
- Since 2019 Participation in Innovations-Allianz Hamburg
- 2019 16 Interviews for magazines, newspapers, radio and TV (one dpa interview on the summer heat wave was cited at least in 280 sources and reached over 1 million 150,000 readers or listeners)
- 2018 26 Interviews for magazines, newspapers, radio and TV (one dpa interview and the media echoes of the IPCC SR1.5 were cited in more than 100 media sources each, reaching more than 150,000 readers and listeners)
- Since 2009 Reviewer for the Deutsche Forschungsgemeinschaft (DFG)
- Since 2006 Organisation of several workshops related to the use of regional climate model (REMO) data for impact studies for wind energy consultants, DWD, regional administrations and universities
- Since 2006 Several interviews for newspapers, magazines, the radio and TV
- Since 1997 Coordination Committee Member of CLIMPACT (Regional Climate Modelling and Integrated Global Change Impact Studies in the European Arctic) - a European Science Foundation Network
- 2016 – 2018 Reviewer for BMVIT, Austria (Project “RESOLW - Renewable Energy Forecast by new Solarradiation- and Windnowcastingsystems“ at Joanneum Research Graz)
- 2009 Member of the editorial advisory board of the International Journal of Climate Change Strategies and Management
- 2009 Member of the editorial board of Atmosphere
- 2009 Reviewer for the Swedish Research Council
- 2009 Reviewer for the Austrian Climate Research Program
- 2008 – 2009 Participation in Rundgespräch: Regionale Klimamodelle, Nationales Komitee für Global Change Forschung

- 2008 Member of the Scientific Committee of the on-line Conference "Climate 2008"
- 2008 Participation in the development of DAS (Deutsche Anpassungsstrategie an den Klimawandel)
- 2007 External reviewer for Natural Sciences and Engineering Research Council of Canada (NSERC)
- 2007 US State Department/ Bureau of Intelligence and Research, Workshop on Risky Climate: Disaster Preparedness and Foreign Policy in the 21st Century
- 2006 Reviewer for the Dutch Technology Foundation
- 2006 Reviewer for Canadian Foundation of Climate and Atmospheric Science
- 2006 Reviewer for the European Science Foundation
- 2004 Review for proposals of National Science Foundation (NSF)
- 2003 Reviewer for the Israel Science Foundation
- 2002 External examiner in the Licentiate seminar at the University of Göteborg
- 2001 Organisation of the national REMO workshop in Hamburg
- 1996 Organisation of the national REMO workshop in Hamburg
- 1993 Co-Editor for Energy and Water Cycles in the Climate System. Edited by Ehrhard Raschke, Daniela Jacob, Springer-Verlag Berlin
- 1991 Organisation of the NATO-ASI (Energy and Water Cycles in the Climate System) in Glücksburg
- 1988 Organisation of the 4th Seminar of Mesoscale Simulation Models of the Atmosphere in Geesthacht

REVIEWS FOR INTERNATIONAL JOURNALS

Acting as reviewer for more than 30 international scientific journals.

CONTRIBUTIONS TO CONFERENCES

Contributing regularly to major scientific conference worldwide.

SELECTED LECTURES IN 2006 TO 2024

- 2024**
- 16.11.2024 **Die Jahrestagung des deutschen ingenieurinnenbundes e.V.: Krisen durch Technik, Technik gegen Krisen, Frankfurt/Main: Dem Klimawandel begegnen**
- 05.11.2024 **KIT Climate Lecture, Karlsruhe: Climate change – an overview**
- 05.11.2024 **Climate Services For Risk Reduction In West Africa (Cs4rra) – The Stocktaking Conference, Banjul, The Gambia (online): Climate Services For Risk Reduction In Africa**
- 19.10.2024 **Landesversammlung des Arbeitskreises Umweltsicherung und Landesentwicklung (AKU) der CSU, Nürnberg: Anpassung an die Folgen des Klimawandels**
- 17.10.2024 **Regionaler Informationstag Klimawandel der Bundeswehr, Hamburg; Klimawandel in Südostasien**
- 26.09.2024 **ZEIT Wissen Kongress – Mut zur Nachhaltigkeit, Panel „Klimaanpassung meistern - Effektive Maßnahmen gegen die Folgen des Klimawandels“, Berlin: Panel discussion**
- 23.09.2024 **Helmholtz Meeting on Stories of the future – Harnessing the power of Digital Twins, Brussels: Panel discussion**

- 04.09.2024 **Ars Electronica, IT:U FOUNDING LAB Day (online):** Role of AI in climate services
- 14.08.2024 **Project You Scie Mint, University of Greifswald (online):** Klimawandel verstehen
- 03.07.2024 **1. Klimakonferenz des Landes Schleswig-Holstein, Kiel:** Wege zur Treibhausgasneutralität
- 24.06.2024 **Expertinnen- und Expertennetzwerk zur Erarbeitung einer fachübergreifenden Klimaanpassungsstrategie für Schleswig-Holstein, Kiel:** Discussion
- 05.06.2024 **8th European Civil Protection Forum, Brussels:** High-level planery discussion on Enhanced European resilience: Are crisis management systems fit for the future?
- 15.05.2024 **Prisma Trialog 2: Nachhaltigkeit in der Forschung an Großgeräten: Ressourceneffizienz und Zukunftssicherung (online):** Nachhaltigkeit in der Forschung an Großgeräten
- 14.03.2024 **Zukunftsforum Nachhaltigkeit, HAW, Hamburg:** Time to act
- 13.03.2024 **Port of Lübeck Meeting, Lübeck:** Klimawandel in Küstenregionen
- 11.03.2024 **Climateurope 2 Festival, Venedig (online):** Climate services for climate adaptation
- 04.03.2024 **4th km scale hackathon, Max Planck Institute for Meteorology, Hamburg:** Earth Virtualization Engines (EVE) – Perspectives from CORDEX
- 19.02.2024 **Fachpanel Klimawandel und Festivals, Hamburg:** Time to act
- 11.01.2024 **Kolloquium Boden – Wasser – Luft, University of Freiburg, Freiburg:** Time to act
- 10.01.2024 **KIT Graduate School ENZo Lecture, Karlsruhe:** Time to act
- 2023**
- 08.12.2023 **Press conference on the occasion of the launch of the Hamburg water report 2023 by Hamburg Wasser, Hamburg:** Time to act
- 07.12.2023 **25. Jubiläum der Naturschutzstiftung Landkreises Harburg, Winsen/Luhe:** Time to act
- 20.11.2023 **European Regional Meeting of the Global Research Council - Panel 'Research on Sustainability' (online):** Panel discussion
- 02.11.2023 **HTG Congress 2023, Bremen:** Klimafolgen und Klimaverantwortung – Wohin steuern wir?
- 11.10.2023 **KIT Sscience Week, Scientific Conference on Transforming towards a sustainable society - challenges and solutions, Karlsruhe:** Transformation towards a sustainable society – the scientific dimension
- 10.10.2023 **Helmholtz Sustainability Summit, Karlsruhe:** Mit Nachhaltigkeit in der Forschung on track?
- 22.09.2023 **Nachhaltigkeitskonferenz, Reeperbahnfestival, Hamburg:** Time to act
- 22.09.2023 **EIP Partners Meeting, Hamburg:** Climate change – Time to act
- 20.09.2023 **CC4E-Energiewendekongress: Die Transformation des Energiesystems in Norddeutschland – Phasen zur Klimaneutralität aktiv gestalten, Hamburg:** Es ist Zeit zu handeln
- 29.08.2023 **32nd Baltic Sea Parliamentary Conference, Berlin:** Panel discussion
- 26.08.2023 **Röntgen-Ångström International Summer School, Lüneburg:** Time to act
- 25.07.2023 **Taiwan Sustainability Hub - 2023 Forum: Net-Zero with Social Science (online):** Transdisciplinary Collaboration for Net Zero Transformation Pathways by 2050
- 13.07.2023 **MARKK, Museum am Rothenbaum – Kulturen und Künste der Welt in Hamburg, Ausstellungseröffnung „Wasser Botschaften“, Hamburg:** Time to act
- 05.07.2023 **Symposium and Summerschool on Climate Information Services, Wageningen University and Research, Wageningen:** Climate information for adaptation perspective
- 27.06.2023 **Sustainable Research and Innovation Congress, session on 'Lighthouse programmes to support societal transformation' (online):** The Mission Adaptation on Climate Change

- 16.06.2023 **Baker Tilly Anwaltstag, Hamburg:** Es ist Zeit zu handeln!
- 13.06.2023 **Helmholtz Energy Conference, Karlsruhe:** How to get to net-zero? Contributions by HI-CAM Cluster I: Net-Zero-2050 Phase 2
- 01.04.2023 **Frühjahrsempfang Bündnis 90 Die Grünen Kreisverband Steinburg:** Es ist Zeit zu handeln!
- 2022**
- 06.12.2022 **Bundeswettbewerb landwirtschaftliches Bauen, Berlin:** Jedes zehntel Grad zählt: auch für Tiere
- 20.10.2022 **Veranstaltungsreihe der HRK: Rahmenbedingungen für eine erfolgreiche Kooperation mit China (online):** Forschungszusammenarbeit bei der Lösung globaler Herausforderungen mit weltanschaulichen Gegnern
- 26.09.2022 **Nationaler Kongress zur Zucht und Erhaltung alter und bedrohter einheimischer Nutztierassen, Bonn:** Klimawandel
- 15.07.2022 **EuroScience Open Forum (online):** Transdisciplinary approach and co-creation of products
- 31.05.2022 **MLZ Conference 2022: Neutrons for Mobility, Lengrieß:** Time to act
- 30.05.2022 **Helmholtz Energy Young Scientists Workshop 2022, Karlsruhe:** Time to act
- 25.05.2022 **Ringvorlesung, Universität Trier:** Es ist höchste Zeit! Inzwischen zählt jedes Zehntel Grad
- 24.05.2022 **Living Planet Symposium, BMEL Side Event ‚Fernerkundung und Landwirtschaft – Zwei starke Partner‘ (online):** Time to act
- 30.04.2022 **Berliner Bürgerinnen-Rat:** Es ist Zeit – Jedes halbe Grad zählt
- 22.03.2022 **D-A-C-H Tagung (online):** Herausforderungen an die Meteorologie in Zeiten des Klimawandels
- 08.03.2022 **4th ECRA General Assembly, Brussels:** Mission Adaptation on Climate Change - A climate resilient Europe and the role of climate science
- 03.03.2022 **European Summit of Regions and Cities, session on ‚Anticipating, preventing, adapting: Territories and climate risks‘ (online):** Panel discussion
- 24.01.2022 **Hamburger Klimagipfel:** Es ist Zeit – Jedes halbe Grad zählt
- 2021**
- 01.12.2021 **Future Energies Science Match 2021 (online):** Klimawandel in Deutschland – Was jetzt zu tun ist
- 23.11.2021 **Transdisciplinarity (TD) at the Field of Excellence Climate Change Graz – from Knowledge to Action (online):** Climate Services and Transdisciplinarity
- 15.11.2021 **4th Baltic Earth Conference, meeting of the Standing Committee (online):** Climate Change and Findings of the IPCC AR 6
- 21.10.2022 **Asia Pacific Climate Service Workshop (online):** Time to act: regional climate change information for societal transformation
- 15.10.2021 **DBU Online-Salon:** Historische Parks und Bauwerke als Klimaschützer sichtbar machen“: Talk on challenges with regard to climate projections
- 12.10.2021 **24. Hannah-Arendt-Tage, Hannover:** Opening Keynote talk „Es wird Zeit - jedes halbe Grad zählt!“
- 29.09.2021 **Hamburg Wasser Fachforum Spezial und Hamburg Wasser Fachbeiratssitzung:** Talk "Höchste Zeit für eine klimasensible Stadtentwicklung"
- 25.09.2021 **Die Grünen Schleswig-Holstein:** Panel discussion "Die Erde brennt!"

- 20.09.2021 **Hamburger Klimawoche (hkw):** Panel discussion
- 15.09.2021 **Forstwissenschaftliche Tagung, München:** Talk "Es wird Zeit!"
- 14.09.2021 **Die Grünen Geesthacht - Panel discussion:** „Wie schaffen wir noch das 1,5 Grad-Ziel?“
- 14.09.2021 **Ausschuss für Erneuerbare Energien, Landkreis Lüneburg:** Talk on „GERICS-Landkreisausblicke“
- 07.09.2021 **Science Europe:** Workshop “Science for the Green Transition”: Talk "Leveraging scientific knowledge in a coherent way for policy makers to inspire action"
- 24.08.2021 **60. ERSA-Kongress:** „Territorial Futures. Visions and scenarios for a resilient Europe“: Keynote talk "Time to act!"
- 28.06.2021 **ECMWF, Webinar:** Challenges for Climate Services
- 19.06.2021 **Regionalkonferenz Klimawandel:** Es ist Zeit
- 29.04.2021 **Vattenfall BA Wind Climate Webinars:** Climate Change - current knowledge & needed actions from decision makers, industry & society with special focus on renewable energy
- 25.03.2021 **Enhancing Climate Services for Infrastructure Investments (CSI) – Global Forum 2021:** Keynote Speech on Costa Rican Climate Fact Sheet
- 10.03.2021 **Zukunftskonferenz 2021 (JOANNEUM RESEARCH):** Panel discussion “Produktion in Zeiten des Klimawandels”
- 25.02.2021 **EU Climate Adaptation Strategy – science policy community workshop:** panel discussion “Smarter adaptation. Improve knowledge and manage uncertainty”
- 09.02.2021 **Austrian Horizon Europe Campaign: "Join our Community: Horizon Europe starts":** Mission Adaptation on Climate Change: A climate resilient Europe – Scope & State of Play
- 08.02.2021 **Nationale Auftaktkonferenz zum Start des EU-Rahmenprogramms für Forschung und Innovation „Horizont Europa“:** Panel discussion „We have a mission“
- 01.02.2021 **IX. Top Management Programm (Bayerische Staatskanzlei):** Klimaänderungen in Deutschland und Bayern
- 19.01.2021 **MetOffice, Science Review Group speaker seminar:** Challenges for Climate Services
- 06.01.2021 **NDR Redezeit – Hörer fragen, Experten antworten: Im Schatten von Corona – Was wird aus dem Klimaschutz?:** Discussion
- 2020**
- 09.12.2020 **JPI Climate Scoping Forum Symposium 2020: Providing Knowledge for a climate neutral and resilient Europe:** Panel discussion "Evidence-based decision making towards a climate neutral and resilient Europe“
- 02.12.2020 **Extraordinary Session of the WCRP Joint Scientific Committee (JSC-41B): „Home of Regional Information for Society“:** Regional Climate Information for Societies.
- 01.12.2020 **Lehrerfortbildung der Wilhelm- und Else-Heraeus-Stiftung:** Auswirkungen der globalen Erwärmung um 1,5° C über dem vorindustriellen Niveau
- 24.11.2020 **Vorstellung der neuen FONA-Strategie durch das BMBF:** Statement
- 22.10.2020 **EU-Workshop on "Elements of a Digital Twin on Climate Change Adaptation“:** Session lead on “Science & Technology Challenges“
- 15.10.2020 **Sheepandgoats2020 - Internationaler Kongress zur Zucht von Schaf und Ziege:** Global climate change: What to expect in the future?
- 07.10.2020 **Zukunftsdialo g der "ZEIT-Stiftung":** Wie teuer ist Fleischproduktion wirklich?
- 05.10.2020 **International Forum - The Architecture Environment Transformation after the Epidemic in Kaohsiung:** Co-Creating Climate Services

- 25.09.2020 **Petersberger Strategietage 2020: "Klimafolgenabschätzung: Jedes Zehntelgrad zählt!"**.
Perspektivvortrag
- 24.09.2020 **Klimawoche Tchibo:** Vortrag zum aktuellen Stand der Klimaforschung und den Erkenntnissen des IPCC-Sonderberichtes über 1,5 Grad Celsius globale Erwärmung
- 18.09.2020 **Deutsche IPCC-Koordinierungsstelle:** Vortrag zu den Erkenntnissen des IPCC-Sonderberichtes über 1,5 Grad Celsius globale Erwärmung
- 18.09.2020 **Tyndall Annual Meeting and Assembly:** An introduction to GERICS
- 10.09.2020 **Städte im Klimawandel - Hitze als globale und lokale Herausforderung/HeatResilientCity, Erfurt/Dresden:** Participation in web conference
- 28.08.2020 **European Form Alpbach: Europe as a Production Location in Times of Climate Change:**
Panel discussion
- 12.07.2020 **Code4Green Hackathon, Berlin:** Jury-Funktion
- 25.06.2020 **Climate Policy Forum (TLV): Innovation and Green Technologies for the European Green Deal:** [Remarks from Daniela Jacob](#)
- 18.05.2020 **Horizon Europe Mission:** Presentation @Climateurope (digital)
- 07.05.2020 **re:publica (online), Livestream: „Klimakrise und nun?“:** Discussion
- 25.02.2020 **Soulworx ENERGIZER:** Klimawandel in Hamburg - Was können wir tun?
- 13.01.2020 **Universität zu Köln, Ringvorlesung im Studium Integrale:** Beobachtete Änderungen, Informationen zum Weltklimarat (IPCC) am Beispiel des Sonderberichts über 1,5 Grad C globale Erwärmung
- 07.01.2020 **KIWANIS-Club Herzogtum Lauenburg, Neujahrsempfang, Ratzeburg:** Warum wir den Klimawandel begrenzen müssen, wie wir es schaffen können, und was wir davon haben.
- 2019**
- 16.12.2019 **WBGU-Konferenz „Zukunft gestalten. Digital und nachhaltig!“, Session 2 "Forschung: Digital. Nachhaltig – Chancen der Digitalisierung für Nachhaltigkeit", BMBF Berlin:** Keynote speech and panel discussion
- 11.12.2019 **Deutscher Bundestag: Sitzung des Parlamentarischen Beirates für nachhaltige Entwicklung, Berlin:** Keynote and discussion
- 27.11.2019 **Treffen der EU-Referent*innen der Helmholtz-Gemeinschaft, Brussels:** Adaptation to Climate Change, including Societal Transformation (Keynote speech on setting up the EU Mission Board 'Adaptation to Climate Change, including Societal Transformation')
- 26.11.2019 **Helmholtz autumn event: "Understanding tomorrow's climate: What science can tell us," Brussels:** Science talk
- 22.11.2019 **Vattenfall Business Area Heat Manager Meeting, Berlin:** Presentation and dialogue on climate change (live-streaming)
- 13.11.2019 **Süddeutsche Zeitung Wirtschaftsgipfel 2019: „Gemeinsam stark – Strong together!“, Berlin:** Panel discussion (Panel 13)
- 07.11.2019 **Europe's Strategic Choices, Session C "European Climate Action", Berlin:** Panel discussion
- 06.11.2019 **Helmholtz Horizons 2019 Symposium, Berlin: Klimawandel - vom Wissen zum Handeln:** Half a degree matters
- 05.11.2019 **Fraktion Bündnis 90/Die Grünen - AG Umwelt Infos, Berlin:** Talk on climate change, adaptation and GERICS' work, discussion
- 28.10.2019 **Hambacher Gespräche: KLIMA 4.0 - Umwelt- und klimapolitische Herausforderungen im 21. Jahrhundert:** Diskussion mit Bundesminister a.D. Jürgen Trittin MdB zu klimatischen und klimapolitischen Entwicklungen
- 28.10.2019 **Asia Pacific Climate Service Workshop, Taiwan "The Quality and Future of Climate Services" :**

- Challenges for climate services (Keynote talk, live-streaming)
- 24.10.2019 **Nachhaltigkeitsministerium Österreich, Wien zu "Wasser im Wandel":** Wasser und Klimawandel aus Sicht der Forschung
- 22.10.2019 **TCCIP International Workshop on Climate Change, Belmont Forum, Taiwan:** Global warming of 1.5°C (Keynote talk, live-streaming)
- 21.10.2019 **KfW-Vortragsveranstaltung „Klimawandel in Afrika“, Frankfurt a.M.:** Climate change in Africa
- 18.10.2019 **European Young Leaders Alumni Meeting, Session "Climate action: talking the talk and walking the walk", Brussels:** Key note and panel discussion
- 17.10.2019 **"Friends of Europe" Roundtable, Brussels: „State of Europe high-level roundtable – Vision Innovation for Europe“:** Participation in „State of Europe high-level roundtable – Vision Innovation for Europe“
- 04.-06.10.2019 **Workshop on "Climate Change Impacts and Development Aid", Bergakademie der Deutschen Studienstiftung, Schwendisee, Switzerland:** Keynote talk on IPCC SR1.5 (live-streaming)
- 28.09.2019 **Hamburger Klimawoche, "Erdfragen sind Ehrenfragen - Was können wir gemeinsam gegen den Klimawandel tun?":** Panel discussion
- 24.-26.09.2019 **European Research & Innovation Days, Brussels:** Climate Science and Co-Design Session „Horizon Europe Mission on Climate Adaptation“: Panel discussion
- 17.09.2019 **iClimate (Aarhus University Interdisciplinary Centre for Climate Change) annual workshop 2019, Aarhus:** Challenges for climate services
- 15.09.2019 **Ruhrtriennale „There is no Planet B / Salon zu Klimaschutz und Gerechtigkeit“, Bochum:** Talk on „IPCC SR 1.5“ and panel discussion
- 22.-24.08.2019 **European Forum Alpbach: Technologiegespräche 2019: Freiheit und Sicherheit:** Talk on „IPCC SR 1.5“. Participation in Fish Bowl Discussion "Our Health Caught Between Climate Crisis and Demography". Talk and participation in paneldiscussion "Bioeconomy - essential for the future and security of mankind"
- 17.07.2019 **Ringvorlesung der TU München:** Ergebnisse des IPCC-Sonderberichtes über 1,5°C globale Erwärmung
- 21.06.2019 **BUND im Herzogtum Lauenburg, Naturpark Uhlenkolk, "Prognosen zum Klimawandel":** Auswirkungen des Klimawandels in Schleswig-Holstein
- 28.-31.05.2019 **ECCA Lissabon & JPI Side event:** Keynote talk about IPCC SR1.5 in opening plenary session ECCA: Keynote talk in JPI Climate Side Event
- 17.05.2019 **Global Platform Disaster Risk Reduction, Geneva:** Presentation and discussion on IPCC SR1.5: Challenges and reasons for action
- 19.03.2019 **DIN-Praxisworkshop "Anpassung von Normen an den Klimawandel", Frankfurt a.M.:** Global und europäisch: Der Klimawandel und seine Folgen
- 13.02.2019 **33. Oldenburger Rohrleitungsforum:** Plus 2°: dann leidet auch die Trinkwasserinfrastruktur!
- 08.02.2019 **Regionalforum "S-Futura '19", Sparkasse Aurich-Norden:** Podiumsdiskussion und Vortrag: Klimawandel - Widerstand zwecklos? Auswirkungen des weltweiten Klimawandels auf die Nordseeküste
- 04.02.2019 **Urania Vortragszentrum, Berlin:** Vortrag: Apocalypse not! – Wir können der Erderwärmung Einhalt gebieten
- 2018**
- 04.-07.12.2018 **COP 24, Katowice:** 6 talks on IPCC: SR 1.5 °C
- 29.11.2018 **Treffpunkt Erneuerbare Energien, Bucerius Law School, Hamburg:** IPCC: SR 1.5 °C
- 27.11.2018 **High Level Conference "EU research and innovation in our daily life", European Parliament**

- Brussels:** Talk in session „A sustainable environment“ on IPCC: SR 1.5 °C
- 22.11.2018 **Virtual Climate Summit: Stepping up Climate Ambition to Meet the 1.5°C Warming Limit:** IPCC: SR 1.5 °C
- 22.11.2018 **ÖWAV-Seminar „Anpassungen an den Klimawandel – Maßnahmen der Wasserwirtschaft“, Vienna:** Keynote talk on IPCC: SR 1.5 °C
- 19.11.2018 **Akademie der Wissenschaften: "Extremwetter fordern die Städte heraus – Welche Maßnahmen bremsen den Klimawandel und befördern die Anpassung?", Hamburg:** Podiumsdiskussion
- 15.11.2018 **DFG-Rundgespräch „Climate Resilience“, Berlin:** Regionale Klimaextreme
- 13.11.2018 **BMBF Veranstaltung zur Förderbekanntmachung "Regionale Informationen zum Klimahandeln“ (RegiKlim), Bonn:** Bedarfe von Kommunen bezüglich Klimainformationen
- 07.11.2018 **ecosense, PG-Sitzung Umwelt & Klima, Berlin:** Vorstellung des IPCC-Sonderberichts SR1.5
- 23.10.2018 **VENRO & Klima-Allianz Konferenz “Jedes Zehntelgrad zählt: Gemeinsam handeln!“, Berlin:** Die Ergebnisse des IPCC Sonderberichts SR1.5: Eine Übersicht
- 22.-23.10.2018 **3-Cluster-Konferenz „Ocean – Climate – Sustainability Research Frontiers“, Berlin:** Climate services: From “informing society” to “interacting with society
- 18.10.2018 **Friends of Europe: “Energy and Climate Summit 2018“, Brussels:** IPCC: SR 1.5 °C
- 17.-19.10.2018 **Second ClimatEurope Festival, Belgrad, Serbien:** IPCC: SR 1.5 °C (Keynote talk, live-streaming)
- 11.-12.10.2018 **International Federation of Red Cross & Red Crescent Societies, Climate Action Network: „Unpacking the findings of the IPCC 1.5° Report and the implications for policy and climate action“, Geneva :** IPCC SR 1.5
- 08.10.2018 **BMU/BMBF Diskussionsforum zur Veröffentlichung des Sonderberichts über 1,5°C globale Erwärmung, Berlin:** IPCC: SR 1.5 °C
- 09.08.2018 **Wissenschaftssommer „(K)ein prima Klima?“, Sylt:** Mit Vollgas in den Klimawandel: In welcher Welt wollen wir leben?
- 11.07.2018 **CDU Landkreis Harburg:** Klimawandel in Norddeutschland – was müssen wir wissen, und was können wir tun?
- 2017**
- 08.11.2017 **KfW-Symposium on „Climate Resilient Coastal Infrastructure Investments: Challenges and Opportunities“, Bonn (COP 23):** Challenges and options for climate-resilient infrastructure investments in coastal zones
- 25.07.2017 **Alpbach Technology Symposium, Alpbach/Tyrol:** How does the 1.5°C hotter World look like?
- 17.07.2017 **Konferenz Energielandschaften Norddeutschland „Modellierung erneuerbarer Energieressourcen“, Hamburg:** Klimainformationen als Grundlage zur Anpassungsunterstützung von kritischer Energieinfrastruktur - Relevanz und Anforderungen an die Modellierung
- 10.07.2017 **Deutsches Krebsforschungszentrum (DKFZ), Heidelberg:** Ensembles, Klimaprojektionen und Prognosen – Warum widersprechen sich die Ergebnisse?
- 27.06.2017 **Beraterstammtisch Energie und Umwelt „Anpassung an den Klimawandel in Hamburg“:** Klimawandel - Chancen und Risiken für Unternehmen
- 05.05.2017 **Jahresversammlung der Braunschweigischen Wissenschaftlichen Gesellschaft:** Klima und Meer - Globaler Wandel - Lokale Konsequenzen
- 25.04.2017 **European Geosciences Union General Assembly 2017, Wien:** Prototype development of user specific climate services
- 02.02.2017 **Jahresempfang der Grünen Ratsfraktion, Kiel:** 100% Klimaschutz!?! Wie können sich Kommunen an die Herausforderungen und Chancen des Klimawandels anpassen?

2016

- 08.11.2016 **Sino-German Symposium, Hamburg:** Climate Service: Innovation and Smart Solution
- 02.11.2016 **Regionalkonferenz „Klimawandel Norddeutschland“, Hannover:** Das Pariser Klimaabkommen und seine regionale Bedeutung
- 16.03.2016 **Mitgliederversammlung des Niedersächsischen Städte- und Gemeinbundes, Rosengarten:** Bedeutung des Klimawandels für Kommunen
- 21.01.2016 **BUE: „Klimawandel ist Realität – Chancen, Risiken und Maßnahmen für Hamburger Unternehmen“, Hamburg:** Was kommt auf uns zu? Klimaprojektionen bis 2050 und 2100

2015

- 05.10.2015 **DKRZ Festveranstaltung zur Einweihung des HLRE-3, Hamburg:** Hochleistungsrechner und Datenspeicher - Grundlagen für den Klimaschutz
- 12.09.2015 **Jahrestagung UNIVEG, Bremen:** Entwicklung von Klimaschutzservices für Wirtschaft, Politik und Gesellschaft
- 08.07.2015 **Our common future under climate change, Paris:** Cross- sectoral analyses for Europe as summarized in the IPCC AR5 Europe Chapter and under 2°C global warming IMPACT2C
- 17.03.2015 **Launching Workshop: A European Roadmap for Climate Services, Brussels:** Dealing with the barriers in providing climate services - AMBASSADOR
- 08.01.2015 **KlimaCampus Kolloquium, Hamburg:** Climate Services-Innovation for smart solutions

2014

- 16.10.2014 **23. Zukunftsforum: Klimawandel – eine Herausforderung für die öffentliche Sicherheit, Zukunftsforum öffentliche Sicherheit e.V., Berlin:** Klimawandel geht alle an
- 06.10.2014 **14th EMS Annual Meeting & 10th European Conference on Applied Climatology (ECAC), Prag:** From consultation to co-production - the integration of user needs in the development of climate science
- 07.07.2014 **„Der Klimawandel in Niedersachsen“ Jugendtagung der Evangelischen Akademie Loccum, Rehburg-Loccum:** Welche Auswirkungen wird der Klimawandel in den verschiedenen Regionen Niedersachsens haben? Welche Probleme ergeben sich daraus?
- 19.05.2014 **IPCC AR5 Report of WG II: A Comprehensive Background and next steps, Bonn:** Climate change in Europe
- 28.04.2014 **European Geosciences Union General Assembly 2014, Wien:** Climate Change Signals in the EURO-CORDEX Simulations
- 28.04.2014 **Bericht des Weltklimarats IPCC 2014, BMWFW Berlin:** Klimawandel in Europa
- 02.-03.04.2014 **Mittel- und norddeutsche Trockenregionen im Klimawandel, Leipzig:** Neues aus WG2
- 01.04.2014 **DE-IPCC Veranstaltung zu WG2, Berlin:** Regionale Aspekte des AG2-Berichts und ihre Bedeutung für Deutschland
- 26.02.2014 **DVGW Forum Sichere Wasserversorgung, Mülheim:** Auswirkungen des Klimawandels auf die Wasserversorgung- Stand der Forschung
- 24.02.2014 **Internationale Konferenz CLARR 2014 – Auf dem Weg zu einer klimaangepassten und resilienten Region:** Neues vom 5. Sachstandsbericht des IPCC: Zeit zum Handeln
- 21.02.2014 **NGO-Briefing: Vorbereitung auf Teil II und III des Weltklimaberichts, Berlin:** Regionale Auswirkungen des Klimawandels in Deutschland/Europa
- 13.02.2014 **CSC-Jahrestagung, Potsdam:** Zwischen Bandbreitenmodellen und stabilen Trends – erwartete Klimaänderungen

2013

- 07.11.2013 **International Conference on Regional Climate - CORDEX 2013, Brussels:** From GCM to RCM-

from ESM to RESM

- 03.09.2013 **“Vom globalen Klimawandel zu regionalen Anpassungsstrategien” vom Forschungsverbund KLIFF – Klimafolgenforschung in Niedersachsen, Göttingen:** Regionaler Klimawandel: wo stehen wir heute?
- 09.04.2013 **Deutsche Informationsveranstaltung zum IPCC-AR5-WGII, Bonn:** Regionale Aspekte – Beispiel Europa
- 20.02.2013 **CSR Leader's Circle on Sustainable Water Management, Berlin:** Climate Change: from global to local action!

2012

- 27.11.2012 **Workshop: Terrestrial water systems under climate change: available knowledge and knowledge demands, Hamburg:** Soil moisture and climate change
- 08.11.2012 **2. Regionalkonferenz Klimaanpassung Küstenregion, Bremerhaven:** Stand der Klimaforschung – vom globalen zum regionalen Klima
- 28.09.2012 **Fachkonferenz aus Anlass des 100-jährigen Geburtstags von Budnikowsky, Hamburg:** Klimawandel: Herausforderungen an Industrie und Handel
- 14.07.2012 **Hydroinformatics Conference HIC-2012, Hamburg:** Regional Climate Change Projections: Bridging Global Climate Change and Local Applications
- 20.03.2012 **7. Extremwetterkongress, Hamburg:** Neues zu regionalen Klimaänderungen

2011

- 02.11.2011 **KLIMZUG Statuskonferenz, Berlin:** KLIMZUG-NORD – Strategische Anpassungsansätze zum Klimawandel in der Metropolregion Hamburg
- 12.04.2011 **6. Extremwetterkongress, Hamburg:** Was wissen wir heute über den Klimawandel in den Metropolregionen?
- 30.03.2011 **Klimaanpassung Küstenregion – Regionalkonferenz des Bundes und der norddeutschen Küstenländer, Hamburg:** Zukünftige Auswirkungen des Klimawandels auf die norddeutsche Küstenregion
- 20.01.2011 **CSC Thementagung: Unter 2 Grad: Wie lassen sich der Klimawandel und seine Folgen begrenzen?, Leipzig:** 2 Grad globale Erwärmung: Was bedeutet das für unser Klima

2010

- 29.09.2010 **ENERGIE-LANDSCHAFTEN!?! – Fallen oder Chancen für ländliche Räume, 31. Bundestagung der Deutschen Landeskulturgesellschaft DLKG, Husum:** Klimafolgen und Energielandschaften
- 02.09.2010 **UBA Anpassungskonferenz, Dessau-Roßlau:** Regionale Klimamodelle
- 25.08.2010 **Hamburger Streitgespräch zum Klimawandel, Hamburg:** Das wird schon nicht so schlimm werden! Wieviel Katastrophenszenario braucht der Mensch?
- 22.06.2010 **DWD-Workshop: Umgang mit Klimaprojektionen, Offenbach:** Regionale Klimamodellensembles
- 31.05.2010 **CES-Conference on Future Climate and Renewable Energy:** Impacts, Risks and Adaptation, Oslo: „Global climate change with regional consequences: challenges for adaptation
- 28.05.2010 **IMEA 7, Hamburger Feuerkasse, Hamburg:** Klimaforschung: Stand und konkrete Relevanz
- 23.04.2010 **Conference: Continents under Climate Change, Berlin:** Global warming below 2°C relative to pre-industrial level: How might climate look like in Europe?
- 12.04.2010 **Workshop „Extremwetterereignisse und Ertragsausfälle in der Landwirtschaft“, CSC, Hamburg:** Meteorologische Forschung zu Extremwetterereignissen – eine Herausforderung für die regionale Klimamodellierung
- 18.02.2010 **Expert Workshop Climate Modelling and Climate Services, German Delegation, Washington,**

US: Regional climate modelling for climate projections and climate services

- 21.01.2010 **Vorlesung an der Senioren-Universität der HAW, Hamburg:** Wann wird's mal wieder richtig Sommer oder ist dies ein normaler Winter?
- 14.01.2010 **Workshop „Klimafolgenforschung zur Beurteilung der Auswirkungen von konvektiven Extremwetterereignissen auf die Schadenlast in Deutschland“, CSC, Hamburg:** Konvektive Extremereignisse – eine Herausforderung für die regionale Klimamodellierung
- 2009**
- 09.11.2009 **Climate for Culture: Kick-Off meeting:** Global Climate change and Regional Consequences
- 05.11.2009 **SFB-512 Abschluss Symposium 'Klimasystem Nordatlantik':** Analyse des Wasserhaushaltes nordatlantischer Zyklogen und ihr Einfluss auf das europäische Festland
- 29.10.2009 **Seminar at University of Bergen:** Challenges in regional climate modelling
- 19.08.2009 **NW2050 Auftaktveranstaltung:** Auswertung des Klimawandel in der Region – Klimaeffekte bis 2100
- 16.06.2009 **COSMOS General Assembly:** Challenges in regional climate modelling
- 04.06.2009 **BayCEER-Kolloquium an der Universität Bayreuth:** Global Climate change and Regional Consequences
- 13.-14.05.2009 **Fehmarn Sund Belt – Workshop on Climate Scenarios:** Climate Scenarios – a regional perspective
- 26.03.2009 **IBM-Symposium zu Klimaberechnung und Risikomanagement, Hamburg:** Globaler Klimawandel und lokale Konsequenzen – neueste Erkenntnisse für den deutschsprachigen Raum
- 18.-19.03.2009 **KLIWAS-Statuskonferenz des Bundesministeriums für Verkehr, Bau und Stadtentwicklung:** Methoden, Möglichkeiten und Grenzen der regionalen Klimamodellierung
- 19.-21.02.2009 **IBA-Labor Klimafolgenmanagement, Hamburg:** Aktuelle Erkenntnisse zur Klimaentwicklung in Norddeutschland
- 21.01.2009 **Besuch der XXV. US Bosch Fellows am KlimaCampus, Hamburg:** Regionale Klimaszenarien für die untere Mittelelbe
- 2008**
- 09.12.2008 **GIWEP: Klimamodelle, Mühlheim/Ruhr:** Globaler Klimawandel und regionale Konsequenzen
- 28.11.2008 **Bauphysik-Tagung 2008, Düsseldorf:** Klimawandel bis 2100 – eine Studie für Deutschland
- 28.11.2008 **Wissenschaftsforum Hamburg, Kopf oder Zahl?:** Mit dem Klimawandel rechnen: Modelle für Schutz- und Anpassungs-Strategien
- 15.11.2008 **Jahrestagung "Natur und Kultur in der Elbtalau", Hitzacker:** Regionale Klimaszenarien für die untere Mittelelbe
- 10.11.2008 **Institutsseminar Leuphana, Suderburg:** Globaler Klimawandel und regionale Konsequenzen
- 06.11.2008 **AREVA Energietechnik, Seminarvortrag, Bremerhaven:** Globaler Klimawandel und regionale Konsequenzen
- 28.10.2008 **Institutsseminar IMK-ASF, Karlsruhe:** Globaler Klimawandel und regionale Konsequenzen
- 04.09.2008 **AON Rück, Seminarvortrag, Hamburg:** Globaler Klimawandel und regionale Konsequenzen
- 23.07.2008 **EBZ, Stuttgart:** Das Wetter morgen
- 21.07.2008 **Workshop: Hamburger Strategie zur Anpassung an den Klimawandel:** Existiert der Klimawandel wirklich? Klimatische Wirkungen in der Metropolregion Hamburg
- 24.06.2008 **DWA Landesverband Bayern, Symposium „Klimawandel - Was kann die Wasserwirtschaft tun?“, Nürnberg:** Regionale Klimamodellierung in Deutschland
- 08.06.2008 **Go for Climate, Initiative zum Klimaschutz, Hamburg:** Existiert der Klimawandel wirklich?

- 03.04.2008 **Augsburger Arbeitskreis, Hamburg:** Globaler Klimawandel und lokale Konsequenzen – neueste Erkenntnisse für den deutschsprachigen Raum
- 10.03.2008 **NAFEMS 5th Anniversary CFD Seminar, Wiesbaden:** Globaler Klimawandel und lokale Konsequenzen: Regionale Klimaprojektionen schlagen die Brücke zwischen den Skalen
- 29.02.2008 **Klimafachtagung, Hochschule für Angewandte Wissenschaften Hamburg:** Klimawandel: Klimatische Wirkungen in der Metropolregion Hamburg
- 26.02.2008 **Agrarforum Husum, Europ. Akademie Schleswig-Holstein:** Das Klima verändert die Welt- und wir uns mit ihr. Verantwortung für die Gesellschaft
- 17.01.2008 **Geowissenschaftliche Vorträge am Gymnasium Heidberg, Hamburg:** Wird es in Zukunft nur noch Bilderbuchsommer geben?
- 16.01.2008 **Kreisbauernverband Schwarzenbek:** Regionale Auswirkungen des Klimawandels auf die Landwirtschaft
- 2007**
- 21.11.2007 **Alpentagung, Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit, Benediktbeuren:** Klimawandel im Alpenraum – Heute und in der Zukunft
- 16.11.2007 **Klausurtagung Bundesministerium für Verkehr, Bau und Stadtentwicklung Potsdam:** Globaler Klimawandel und regionale Konsequenzen: Der IPCC- Bericht und regionale Konsequenzen
- 14.11.2007 **CAIWA 2007, Int. Conference on Adaptive & Integrated Water Management, Basel:** Downscaling climate information for water resources management: uncertainty and challenges
- 06.11.2007 **Klimawandel in Deutschland: Strategien der Anpassung, Umweltbundesamt Dessau:** Klimaänderungen in Deutschland
- 05.11.2007 **“Report on the findings from the IPCC working groups I, II and III: Climate Change Research Seminar, Norwegian Ministry of Education and Research, Düsseldorf:** Possibilities and limitations for downscaling of regional climate scenarios
- 18.10.2007 **SPD Bad Bevensen:** Globaler Klimawandel-Regionale Konsequenzen
- 04.10.2007 **BASF Ludwigshafen:** Regionale Klimamodellierung und Klimaprojektionen für das 21. Jahrhundert
- 01.10.2007 **Climate Change and Vectors, Umweltbundesamt Berlin:** Climate Modelling: Global and regional scenarios
- 27.09.2007 **International Conference Climate Change and Spatial Planning, De Bilt:** Global and European Perspective: “General Progress and Remaining Uncertainties”
- 12.09.2007 **Wissenschaftssommer, Sylt:** Globaler Klimawandel und lokale Konsequenzen
- 01.08.2007 **World Water Week, Stockholm:** From global climate change to climate change projections in Europe
- 15.08.2007 **Niedersächsischer Landtag, Hannover: Wege zum Erhalt der Wertschöpfung durch den Transportweg Rhein, Dewitt&Company, Bonn:** Aktuelle meteorologische Kenntnisse und Perspektiven für das Rheineinzugsgebiet
- 25.06.2007 **Int. Conference Community Testing Facilities, Lolland, Dänemark:** A Critical View on the Baltic Sea Region’s Future
- 12.06.2007 **Parlament. Abend Bundesverband Deutsche Binnenschifffahrt, Berlin:** Klimawandel in Europa - Auswirkungen auf die deutschen Bundeswasserstraßen
- 20.05.2007 **Bremer Energie-Konsens, Bremen:** Globaler Klimawandel und lokale Konsequenzen
- 09.05.2007 **Bündnis 90/Die Grünen, Rathaus Stuttgart:** Das Wetter morgen
- 26.04.2007 **Kernkraftwerke Isar, Essenbach:** Klimaentwicklung unter regionalen Aspekten
- 16.04.2007 **DB AG, Strategieklausur, Potsdam:** Globaler Klimawandel und lokale Konsequenzen

- 08.03.2007 **BMU Conference, Berlin: Time to adapt – Climate change and the European Water Dimension:** Climate change and water resources: Observed and projected trends at regional scale in Europe
- 22.02.2007 **Bucerius Law School, Hamburg:** Regionale Klimamodellierung
- 12.02.2007 **Wegener Center Graz, Seggau Workshop on Local Impacts of Climate Change:** Downscaling: From global climate change to climate change projections in Europe
- 31.01.2007 **Landfrauenverein Stelle u. Umgebung, Winsen:** Globaler Klimawandel-Regionale Auswirkungen
- 26.01.2007 **TuTech, Hamburg-Bergedorf:** Climate Change in Northern Europe
- 23.01.2007 **Alpentagung, Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit, Benediktbeuren:** Klimawandel im Alpenraum – Heute und in der Zukunft
- 18.01.2007 **Klausurtagung Bundesministerium für Verkehr, Bau und Stadtentwicklung Potsdam:** Globaler Klimawandel und regionale Konsequenzen: Der IPCC- Bericht und regionale Konsequenzen
- 2006**
- 14.12.2006 **HAW Seminar, FH Bergedorf:** Globaler Klimawandel mit lokalen Konsequenzen – Regionale Klimamodelle schlagen die Brücke zwischen den Skalen
- 12.12.2006 **Kolloquium Institut für Ostseeforschung Warnemünde:** Globaler Klimawandel mit lokalen Konsequenzen: Womit müssen wir rechnen?
- 05.12.2006 **Mitgliederversammlung Windenergie-Agentur Bremen:** Globaler Klimawandel – Regionale Auswirkungen auch in Deutschland?
- 15.11.2006 **Brauner Risk, Mutenz, CH:** Extremwetter auch in der Schweiz? Was die neue regionale Klimaprognose für die Schweiz erwarten lässt
- 09.11.2006 **TLUG, Jena:** Eine klimatische Vorschau für Deutschland bis zum Jahr 2100 mit dem regionalen Klimamodell REMO
- 06.11.2006 **ZUFO Symposium, Münster:** Klimawandel
- 17.10.2006 **UBA Klimagipfel, Berlin:** Regionale Klimaszenarien für Deutschland
- 16.10.2006 **WVW Würzburg:** Globaler Klimawandel mit lokalen Konsequenzen – womit müssen wir rechnen?
- 10.10.2006 **E.ON Kernkraft, Goslar:** Klimaentwicklung unter regionalen Aspekten
- 26.09.2006 **EC JRC, Brüssel:** Overview of Climate Change Projections in Europe
- 12.09.2006 **DWS Investment Konferenz, Zürich:** Globaler Klimawandel mit lokalen Konsequenzen – Womit müssen wir rechnen?
- 11.09.2006 **Österreichischer Umweltdachverband, Neukirchen a. Großvenediger:** Klimawandel – Globale und regionale Klimamodelle
- 01.09.2006 **Kreisverwaltung Plön, Agenda 24:** Mögliche Klimaveränderung in Norddeutschland: was wissen wir wirklich?
- 29.08.2006 **Vortrag vor Berufschullehrern, Universität Hamburg:** Globaler Klimawandel mit lokalen Konsequenzen: Womit müssen wir rechnen?
- 11.04.2006 **Annaberger Klimatage:** eview der regionalen Klimamodellierung
- 27.04.2006 **Freising, University Weihenstephan:** Wie wirkt sich der Klimawandel auf die Niederschlagsereignisse aus?

PUBLICATIONS

IN PREPARATION

- SUBMITTED** Guillén Bolaños, T., Scheffran, J., García, A., López, H., Castillo, M., Máñez Costa, M., **Jacob, D.** (2024): Assessing the feasibility of climate adaptation options using local expertise and

participatory approaches: the case of Puerto Morazán, Nicaragua. Submitted in January 2024 to PLOS Climate, PCLM-D-24-00024

Tamoffo, A.T., Weber, T., Amekudzi, L.K., Dosio, A., Osei, M.A., **Jacob, D.** (2021): Drivers of the March-May and September-November Central Equatorial African rainfall system change inferred from CORDEX-CORE regional climate models. Submitted in 2023 to Climate Dynamics.

ACCEPTED

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2024 Brasseur, G.P., **Jacob, D.**, Schuck-Zöller, S. (2024): Klimawandel in Deutschland - Entwicklung, Folgen, Risiken und Perspektiven. Springer Spektrum Berlin, Heidelberg. DOI: 10.1007/978-3-662-66696-8

Jacob, D., Görl, K., Wolff, M. (2024): Chapter 13 - Adaptation of society to climate change, In: Letcher, T.M. (Ed): Living with Climate Change. Elsevier, 249-262, DOI: 10.1016/B978-0-443-18515-1.00027-7

Jacob, D., Guillén Bolaños, T. (2024): Editorial Introduction to the Topical Collection: Accrual of Climate Change Risk in Six Vulnerable Countries. Climatic Changes, 114, 45. DOI: 10.1007/s10584-024-03691-9

Jones, C. G., Adloff, F., Booth, B., Cox, P., Eyring, V., Friedlingstein, P., Frieler, K., Hewitt, H., Jeffery, H., Jousaume, S., Koenigk, T., Lawrence, B. N., O'Rourke, E., Roberts, M., Sanderson, B., Séférian, R., Somot, S., Vidale, P.-L., van Vuuren, D., Acosta, M., Bentsen, M., Bernardello, R., Betts, R., Blockley, E., Boé, J., Bracegirdle, T., Braconnot, P., Brovkin, V., Buontempo, C., Doblas-Reyes, F. J., Donat, M. G., Epicoco, I., Falloon, P., Fiore, S., Froelicher, T., Fuckar, N., Gidden, M., Goessling, H., Graversen, R. G., Gualdi, S., Gutiérrez, J. M., Ilyina, T., **Jacob, D.**, Jones, C., Juckes, M., Kendon, E., Kjellström, E., Knutti, R., Lowe, J. A., Mizielinski, M., Nassisi, P., Obersteiner, M., Regnier, P., Roehrig, R., Salas y Melia, D., Schleussner, C.-F., Schulz, M., Scoccimarro, E., Terray, L., Thiemann, H., Wood, R., Yang, S., Zaehle, S. (2024): Bringing it all together: Science priorities for improved understanding of Earth system change and to support international climate policy. Earth System Dynamics, 15 (5), pp. 1319-1351. DOI: 10.5194/esd-15-1319-2024

Katragkou, E., Sobolowski, S.P., Teichmann, C., Solmon, F., Pavlidis, V., Rechid, D., Hoffman, P., Fernandez, J., Nikulin, G., **Jacob, D.** (2023): Delivering an improved framework for the new generation of CMIP6-driven EURO-CORDEX regional climate simulations. Bulletin of the American Meteorological Society, 105(6), pp. E962-E974. DOI: 10.1175/BAMS-D-23-0131.1

Köhnke, F., Steuri, B., Baetcke, L., Borchers, M., Brinkmann, T., Dittmeyer, R., Dornheim, M., El Zohbi, J., Förster, J., Gawel, E., Görl, K., Herbst, M., Heß, D., Kalhori, A., Korte, K., Li, Z., Markus, T., Mengis, N., Monnerie, N., Oschlies, A., Prats-Salvado, E., Reusch, T., Rhoden, I., Sachs, T., Schaller, R., Schill, E., Simon, S., Stevenson, A., Thoni, T., Thrän, D., Xiao, M., **Jacob, D.** (2024): A storyline approach: Integrating comprehensive, interdisciplinary research results to create narratives – in the context of the net-zero target in Germany. Frontiers in Environmental Science, 12. DOI: 10.3389/fenvs.2024.1433491

Stevens, B., Adami, S., Ali, T. et al. (2024): Earth Virtualization Engines (EVE). Earth Syst. Sci. Data, 16, pp. 2113-2122. DOI: 10.5194/essd-16-2113-2024

Tamoffo, A.T., Weber, T., Cabos, W., Monerie, P.A., Cook, K.H., Dmitry V. Sein, D.V., Dosio, A., Klutse, N.A.B., Akinsanola, A.A., Rechid, D., **Jacob, D.** (2023): West African monsoon system's responses to global ocean-regional atmosphere coupling. Journal of Climate, JCLI-D-23-0749, first online published 14 May 2024. DOI: 0.1175/JCLI-D-23-0749.1

Tamoffo, A.T., Weber, T., Cabos, W., Sein, D.V., Dosio, A., Rechid, D., Remedio, A.R., **Jacob, D.** (2024): Mechanisms of added value of a coupled global ocean-regional atmosphere climate model over Central Equatorial Africa. JGR Atmosphere 129 (3), e2023JD039385. DOI: 10.1029/2023JD039385

2023 Fotso-Nguemo, T. C., Weber, T., Diedhiou, A., Chouto, S., Vondou, D. A., Rechid, D., **Jacob, D.** (2022): Projected impact of increased global warming on heat stress and exposed population over Africa. Earth's Future 11 (1), e2022EF003268. DOI: 10.1029/2022EF003268

- Köhnke, F., Steuri, B., El Zohbi, J., Görl, K., Borchers, M., Mengis, N., Förster, J., Thrän, D., Oschlies, A., **Jacob, D.** (2023): On the path to net-zero: Establishing a multi-level system to support the complex endeavor of reaching national carbon neutrality. *Frontiers in Climate*, 1056023. DOI: 10.3389/fclim.2023.1056023
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