

Curriculum Vitae

Jochen Hinkel

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Personal details

Date of birth 26 March 1970
Place of birth Böblingen, Germany
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Current positions

2009 - now Head of Department *Adaptation and Social Learning* at the Global Climate Forum (GCF), Berlin, Germany
2012 - now Associate Professor (Privatdozent) at the Division of Resource Economics, Albrecht Daniel Thaer-Institute of Agricultural and Horticultural Sciences, Faculty of Life Sciences, Humboldt University, Berlin
2014 - now Affiliated faculty at the Berlin Workshop in Institutional Analysis of Social-Ecological Systems (WINS), Humboldt-University, Berlin.

Past positions

2000 - 2013 Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany: Scientific programmer (2000-2005), group leader (2006-2010), guest (2011-2013)
1999 - 2000 Westerwelle Consulting & Media AG, Hamburg, Germany: Information technology consultant and software developer
1998 - 1999 Ministry of Education of the Federal State of Baden-Württemberg, Germany: Freelance programmer developing a media-pedagogic website. The website was awarded with the Pulitzer Price for online media.
1998 Institute for Soil and Rock Mechanics, University of Karlsruhe, Germany
1997 Fraunhofer Institute for System Technology and Innovation, Karlsruhe, Germany
1996 German Agency for Technical Cooperation (GTZ), Santa Cruz, Bolivia: Consultant for the development of a regional plan for a settlement zone in the Amazon

Professional memberships

2020 - now	Member of the Policy Task Force of the European Knowledge Hub on Sea Level Rise , a joint effort by JPI Climate Action Group Next Generation of Climate Sciences in Europe and JPI Oceans.
2017 - now	Lead Author on the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) of the Intergovernmental Panel on Climate Change (IPCC)
2015 - now	Member of the scientific committee of the World Climate Research Programme (WCRP) Grand Challenge “Regional Sea-Level Changes and Coastal Impacts”
2015 - now	Member of the Scientific Steering Committee of the DFG Priority Program SPP-1889 “Regional Sea Level Change and Society (SeaLevel)”
2013 - now	Coastal sector co-ordinator of the Inter-Sectoral Impact Model Inter-comparison Project (ISI-MIP)
2016 - 2018	Member of the Ocean Solution Initiative
2016 - 2017	Member of the working group of the German Science Association (DFG) on “social innovations in energy policy making”
2014 - 2018	Board member of the Global Climate Forum (GCF) , Berlin, Germany
2014 - now	Member of the Scientific Committee of the Integrated Risk Governance Project , one of the core research programmes of Future Earth
2014 - 2021	Editorial board member of the journal Frontiers in Environmental Science
2012 - 2016	Editorial board member of the journal Climate Risk Management
2012 - 2014	Lead Author on the coastal chapter of the Working Group II contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)
2011 - 2014	Coordinating Lead Author of the UNEP PROVIA guidance for assessing climate change vulnerability, impacts and adaptation

Education

2016	Habilitation, Division of Resource Economics, Humboldt University, Berlin . Title of thesis: Human-environment interactions and climate change adaptation
2008	Ph.D. (magna cum laude), Department of Environmental Sciences, Wageningen University, Wageningen, The Netherlands. Title of thesis: Transdisciplinary Knowledge Integration. Cases from Integrated Assessment and Vulnerability Assessment
1999	Diploma in Geo-ecology (1.0 with distinction), Department of Geography, University of Karlsruhe, Germany.

Active Research Grants

- 2022 - 2025 Decision-making framework and processes for holistic evaluation of environmental and climate policies (DECIPHER), funded by the European Commission's Horizon Europe Program (290k Euro). This project improves decision-making on climate change and biodiversity by establishing a holistic and operational decision-making framework that integrates advanced economic and biophysical models, empirical methods and stakeholder participation tools. The novel framework will include improved representations of agent behavior, technology innovation, financial risk valuation and the capacity to assess extreme events and critical tipping points, and be applied under real-world conditions in the assessment of flagship EU policies. GCF contributes with the development of an economic coastal model to capture global trade-offs between coastal protection, nature-based solutions, economic development and biodiversity conservation.
- 2021 - 2024 [Concepts for reducing the effects of anthropogenic pressures and uses on marine ecosystems and on biodiversity \(CREATE\)](#), funded by German Ministry of Research and Education (320k Euro). This project develops actionable knowledge on how to evaluate, manage and protect marine and coastal ecosystems under multiple stressors and usages. I coordinate the governance work package.
- 2021 - 2024 [Governance and management of marine muniton in the German North and Baltic Sea \(CONMAR\)](#), funded by German Ministry of Research and Education (270k Euro). The project co-develops solutions, in consultation with stakeholders, on managing marine ammunition risks. GCF contributes to CONMAR with an analysis of governance structures and the public discourse on marine ammunition, as well as a participatory multi-criteria analysis to prioritize areas for risk management.
- 2021 - 2025 [Large scale RESToration of COASTal ecosystems through rivers to sea connectivity \(REST-COAST\)](#), funded by the European Commission's Green Deal Program (740K Euro). REST-COAST will demonstrate how coastal ecosystem restoration can be up-scaled by overcoming present technical, economic, financial and social barriers to restoration. I coordinate the work-package on financing coastal ecosystem restoration and adaptation.
- 2021 - 2025 [Coastal Climate Core Services \(CoCliCo\)](#), funded by the European Commission (460k Euro). This project aims to improve coastal risk management and adaptation decision making by establishing a European integrated climate service for high resolution information on coastal flood risk and adaptation options under sea-level rise. I coordinate the work package on coastal adaptation, risk and decision making
- 2020 - 2024 [Ecosystem-supporting Coastal Adaptation Strategies for the German Baltic Sea Coast \(ECAS-BALTIC\)](#), funded by German Ministry of Research and Education (450k Euro). ECAS-BALTIC co-develops ecosystem-supporting coastal protection and adaptation strategies for the German Baltic Sea coast, complementing existing coastal protection schemes and taking into account current and future hydrodynamic, morphodynamic, sediment transport, social and economic conditions. I coordinate the overall project and lead its stakeholder process and the institutional analysis of current coastal risk management and land use planning.

- 2020 - 2024 [PROjecTing sEa-level rise: from iCe sheets to local implicaTions \(PROTECT\)](#), funded by the European Commission (350k Euro). PROTECT develops robust climate services and sea-level rise projections that address the large uncertainties in the melting of the ice sheets of Greenland and Antarctica which currently dominate the coastal adaptation debate. I lead the co-development of climate services for coastal planning and adaptation, involving coastal planners from around the world.
- 2020 - 2023 [Storm surges, sea-level rise and adaptation responses at the German Baltic Sea coast, taking into account combined extreme events \(SEASCAPE II\)](#), funded by Deutsche Forschungsgemeinschaft, Priority Programme (SPP) 1889 - Regional Sea Level Change and Society (195k Euro). This project aims to advance extreme sea-level projections, coastal impact modelling and coastal adaptation and planning under deep uncertainty. I lead the coastal planning component of this project.
- 2001 - present [DIVA-MF: Dynamic and Interactive coastal Vulnerability Assessment Modelling Framework](#). DIVA-MF is a global, integrated modelling framework for coastal systems, developed collaboratively by several European research institutes for assessing biophysical and socio-economic consequences of sea-level rise and socio-economic development taking into account adaptation. GCF maintains the model code and I coordinate the model development.

Closed Research Grants

- 2017 - 2021 [Co-designing the Assessment of Climate Change costs \(COACCH\)](#), funded by the European Commission (320k Euro). COACCH develops an innovative integrated approach to co-design and co-deliver an improved downscaled assessment of the risks and costs of climate change in Europe, working with end users from research, business, investment, and policy making throughout the project. I coordinate the coastal sector contribution to this project.
- 2017 - 2021 [The open inter-sectoral impacts encyclopedia \(ISIpedia\)](#), funded by the Joint Programming Initiative (JPI), European Research Area for Climate Services (ERA4CS) (183k Euro). ISIpedia co-produces together with climate adaptation policy makers an open climate-impacts service portal offering tailored access to state-of-the-art climate-impacts assessments and data, based on the cross-sectoral, multi-model simulations conducted within the Inter-Sectoral Impact Model Intercomparison Project. I coordinate the coastal sector contribution to this project.
- 2017 - 2021 [Integrating SEA-level Projections in climate services for coastal adaptation \(INSeaPTION\)](#), funded by the Joint Programming Initiative (JPI), European Research Area for Climate Services (ERA4CS) (453k Euro). INSeaPTION addresses the urgent need to co-develop coastal climate services tailored to the needs and practices of coastal users and integrating sea-level projections, information on biophysical and socio-economic impacts, and adaptation options with adequate decision-making and governance frameworks. I lead a global analysis of coastal adaptation finance policy and a case study on adaptation governance in the Maldives.

- 2015 - 2018 [GREEN-WIN \(Green growth and win-win strategies for sustainable climate action\)](#), funded by the European Commission (800k Euro). GREEN-WIN aims to advance the scientific understanding of the synergies and trade-offs between mitigation, adaptation and sustainable development with a particular emphasis on developing and critically assessing the feasibility of win-win and green growth strategies. I coordinated this project and contributed to its governance work.
- 2015 - 2018 Climate risk governance in the Yangtze River Delta, funded by Chinese State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University (60k Euro). I led this project.
- 2017 - 2020 [Storm surges, sea-level rise and adaptation responses at the German Baltic Sea coast \(SEASCAPE I\)](#), funded by Deutsche Forschungsgemeinschaft, Priority Programme (SPP) 1889 - Regional Sea Level Change and Society (160k Euro). This project aims to advance extreme sea-level projections, coastal impact modelling and coastal adaptation and planning under deep uncertainty. I lead the coastal planning component of this project.
- 2012 - 2016 [Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean](#), funded by the Global Environmental Facility (100k Euro). This project assists Mediterranean countries in implementing the ICZM Protocol by facilitating region wide coordination mechanisms, national actions and the development of tools to address climate variability in the Mediterranean.
- 2013 - 2016 [RISES-AM \(Quantifying projected impacts under high end climate change\)](#), funded by the European Commission (600k Euro). RISES-AM develops sustainable adaptation pathways for coastal zones under high-end climate change and sea-level rise scenarios.
- 2008 - 2015 [SES Club](#). The SES Club is a group of European and North American scholars that collectively develops a common framework for the rigorous analysis of social-ecological and socio-technical systems. The group was founded by Elinor Ostrom and myself and involves, amongst others, GCF, Delft University of Technology, Humboldt University Berlin, the International Institute for Applied Systems Analysis (IIASA) and the Stockholm Resilience Center.
- 2011 - 2015 [IMPACT2C \(Quantifying projected impacts under 2°C warming\)](#), funded by European Commission (120k Euro). This project assesses impacts and adaptation under low-stabilisation scenarios. I was involved in the coastal assessment for Europe and the Maldives.
- 2012 - 2014 [ISI-MIP \(Inter-Sectoral Impact Model Inter-comparison Project\)](#), funded by BMBF (60k Euro). ISI-MIP is a community-driven modelling effort providing cross-sectoral global impact assessments and impact model comparisons, based on common climate and socio-economic scenarios. I lead the infrastructure component of this project and apply the DIVA Model to assess coastal impacts.

- 2011 - 2014 [PROVIA \(Programme of Research on Climate Change Vulnerability, Impacts and Adaptation\) Guidance](#), funded by UNEP (90k Euro). PROVIA is a global initiative which aims to provide direction and coherence at the international level for research on climate change vulnerability, impacts and adaptation (VIA). Towards this end, PROVIA is revising the IPCC Technical Guidelines (1994) and the UNEP Handbook (1996) to produce guidance on tools and research methodologies for VIA. I was the Coordinating Lead Author of this guidance.
- 2010 - 2013 [MEDIATION \(Methodology for Effective Decision-making on Impacts and Adaptation\)](#), funded by European Commission (310k Euro). The objective of MEDIATION is to develop an integrated methodology for assessing climate change impacts, vulnerability and adaptation. I led the development of the integrated methodology.
- 2011 - 2012 [Costs of Adaptation to Rising Coastal Water Levels for People's Republic of China, Japan and the Republic of Korea](#), funded by the Asian Development Bank (20k Euro). I have done the simulations of coastal adaptation and impacts.
- 2010 [Economics of Adaptation to Climate Change \(EACC\): Aggregate Track Infrastructure - Coastal Component](#), funded by the World Bank (20k Euro). The project developed a global estimate of adaptation costs for informing climate negotiations and adaptation decision making. I contributed to the assessment of the economics of coastal adaptation.
- 2010 [Economic Analysis of Coastal Adaptation to Climate Change in Senegal and Gambia](#), funded by the World Bank (30k Euro). The project assessed coastal impacts, vulnerability and adaptation using the DIVA Model for Senegal and Gambia.
- 2010 [Climate Change Adaptation in Rural Areas of India](#), funded by the Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH (40k Euro). The project developed a methodology for assessing the vulnerability of Indian States to climate change.

Consulting

I have consulted a international organizations and governments at different scales on matters of climate impacts, adaptation and coasts, including the United Nation Development Program (UNEP), the World Bank, The Organization for Economic Co-operation (OECD), The Nature Conservancy, the European Environmental Agency, the European Commission, the Asian Development Bank (ADB), the Government of India, the Government of the Maldives, the German Society for International Cooperation (GIZ), the German Environmental Agency, German Institute for Development Evaluation, The German inter-state task force on climate adaptation, etc.

Selected Keynotes and Invited Speeches

- 20 May 2021 **Invited speech:** The need for coastal adaptation: Results form IPCC Special Report on the Ocean and Cryosphere in a Changing Climate. Climate Exp0 conference. COP26 Universities Network and the Italian University Network for Sustainable Development (RUS), 20 May 2021

- 21 April 2021 **Invited speech:** Wirkungsmodelle und das Inter-sectoral Impact Inter-comparison project (ISIMIP). IPCC Jahrestagung 2021. German IPCC Contact Point, 21 April 2021
- 10 December 2020 **Keynote:** Sea-level rise impacts. Press Point: Release of Copernicus Sentinel-6 first data. European Commission (COM), the European Space Agency (ESA) and the European Organisation for the Exploitation of Meteorological Satellites (Eumetsat), 10 December 2020
- 6 November 2020 **Invited speech:** National and human security implications of sea-level rise. Climate, Oceans and Security: A virtual workshop on climate driven hazards impacting oceans and coasts and consequent security implications. Stockholm Climate Security Hub hosted by Stockholm Environment Institute (SEI), the Stockholm International Water Institute (SIWI), the Stockholm International Peace Research Institute (SIPRI), and the Stockholm Resilience Center (SRC), 6 November 2020
- 22-23 April 2020 **Invited speech:** Sea-level information needed for coastal policy and planning. Knowledge Hub on Sea Level Rise. European Joint Programming Initiative Climate, 22-23 April 2020
- 05 March 2020 **Invited speech:** Meeresspiegelanstieg und Risikomanagement: Erkenntnisse vom IPCC SROCC Report. 15. Kolloquium Küstenschutz an Nord- und Ostsee: Fachvorträge und Diskussionen von und mit Vertretern aus Wissenschaft und Praxis. Forschungszentrum Küste, Leibniz Universität Hannover, 05 March 2020
- 20–21 Januar 2020 **Invited speech:** Adaptation to sea-level rise. 23. Sitzung des Ständigen Ausschusses *Anpassung an die Folgen des Klimawandels* der Bund-Länder Arbeitsgruppe zur Anpassung an den Klimawandel. Niedersächsisches Ministerium für Umwelt, Energie, Bauen und Klimaschutz, Hannover, 20–21 Januar 2020
- 8 Oktober 2019 **Invited speech:** Anpassung an den Meeresspiegelanstieg. Informationsveranstaltung zu den IPCC-Sonderberichten ‘‘Klimawandel und Landsysteme’’ (SRCL) und ‘‘Ozean und Kryosphäre’’ (SROCC). Bundesforschungsministerium und Bundesumweltministerium, Berlin, 8 Oktober 2019
- 10-14 July 2017 **Keynote:** Sea-level information for coastal decision making. International conference of the World Climate Research Program (WCRP) and the Intergovernmental Oceanographic Commission of UNESCO (IOC) Regional Sea Level Changes and Coastal Impacts. Columbia University, New York, 10-14 July 2017
- 7–8 March 2017 **Keynote:** Can societies adapt to 21st century sea-level rise?. European Climate Research Alliance (ECRA) General Assembly. Brussels, 7–8 March 2017
- 9 January 2017 **Invited speech:** Adaptation to sea-level rise. Provost’s invited speech. University of Central Florida, 9 January 2017
- 25–28 October 2016 **Keynote:** Can we adapt to sea-level rise?. Littoral 2016. Biarritz, France, 25–28 October 2016
- 27 September 2016 **Invited speech:** Sea level adaptation costs and benefits. ECONADAPT Policy Workshop. Brussels, 27 September 2016
- 21–22 June 2016 **Keynote:** Sea-level rise information for coastal decision making. European Climate Research Alliance (ECRA) Conference on Sea Level Change and Coastal Impacts. Bergen, Norway, 21–22 June 2016

- 26 Mai 2016 **Invited speech:** Adaptation to sea-level rise: technological feasibility, economic efficiency and governance. Seminar of the Berlin Workshop in Institutional Analysis of Social-Ecological Systems. Berlin, Germany, 26 Mai 2016
- 16 March 2016 **Keynote:** Sea-level rise information and coastal risk management. Helmholtz-Zentrum Geesthacht, Centre for Materials & Coastal Research. Geesthacht, Germany, 16 March 2016
- 13 May 2015 **Invited speech:** The costs of climate variability and change for the Croatian and Tunisian coasts. Final Conference of the Strategic Partnership for the Mediterranean Sea Large Marine Ecosystem (MedPartnership). Split, Croatia, 13 May 2015
- 22 April 2015 **Invited speech:** The costs of climate variability and change for the Croatian coast. 6th National Board Meeting. Hotel International, Zagreb, 22 April 2015
- 17 March 2015 **Keynote:** Economics of climate adaptation in the context of solution-oriented adaptation research. Final conference of the BMBF funded project economics of climate change adaptation in Germany. Humboldt-University Berlin, Unter den Linden 6, Berlin, 17 March 2015
- 23 February 2015 **Expert panel:** German Research Foundation (DFG) expert panel on strengthening the role of social sciences in Future Earth. German Committee for Sustainability Research in Future Earth. Berlin, 23 February 2015
- 17–18 June 2014 **Expert panel:** DFG Expertengespräch: Neue Forschungsfragen für Future Earth. German Future Earth Committee. Bad Homburg, 17–18 June 2014
- 6 June 2014 **Invited speech:** The costs of climate variability and change for the Tunisian coast. Strategic Partnership for the Mediterranean Sea Large Marine Ecosystem (MedPartnership). Tunis, Tunisia, 6 June 2014
- 12–16 May 2014 **Expert panel:** International Scientific Committee. Adaptation Futures 2014: Third International Climate Change Adaptation Conference. Fortaleza, Brazil, 12–16 May 2014
- 19 March 2014 **Keynote:** Klimaanpassung: von problem- zu lösungsorientierten Ansätzen. Klimazug-Nord Abschlusskonferenz, Technische Universität Hamburg-Harburg. Hamburg, 19 March 2014
- 24–25 February 2014 **Keynote:** Vulnerability, impacts and adaptation: From problem-oriented to solution-oriented approaches. International Conference on Regional Climate Adaption and Resilience (CLARR 2014). Bremen, 24–25 February 2014
- 21 February 2014 **Invited speech:** Auswirkungen des Klimawandels und Wege der Anpassung. Update aus der Klimaforschung für NGOs, European Climate Foundation. Berlin, 21 February 2014
- 7 November 2013 **Expert panel:** 3. Sitzung des Deutschen Komitees für Nachhaltigkeitsforschung in Future Earth. Deutsche Forschungsgemeinschaft. Berlin, 7 November 2013
- 29–30 October 2013 **Expert panel:** Preparatory Workshop for the 3rd Open Global Systems Science Conference. Beijing Normal University. Beijing, China, 29–30 October 2013
- 15–17 September 2013 **Expert panel:** Uncertainty, Digital Sciences and the Long Term. Global System Science Conference. Florence, Italy, 15–17 September 2013

12–15 September 2013	Invited speech: Global coastal flood risk and adaptation cost under sea-level rise: an uncertainty analysis. 4 th Brazilian-German Frontiers of Science and Technology Symposium of the Alexander von Humboldt Foundation. Potsdam, Germany, 12–15 September 2013
August 2012	Invited speech: The making of the IPCC Fifth Assessment Report (AR5). Mercator Project Centre Berlin. Berlin, August 2012
13 June 2013	Expert panel: Third Technical workshop: Adapting to climate change, a dialogue between research and policy. European Commission. Brussels, 13 June 2013
27–30 May 2013	Keynote: Impact of future sea-level rise on global risk of coastal floods. Impacts World 2013: International Conference on Climate Change Effects. Potsdam, Germany, 27–30 May 2013
9 April 2013	Expert panel: Regierungs- und Expertenbegutachtung des 2. Berichtsentwurfs des 5. Sachstandsberichts der AGII des IPCC: Auswirkungen, Anpassung und Verwundbarkeiten. Deutsche IPCC-Koordinierungsstelle. Bonn-Oberkassel, 9 April 2013
12–14 March 2013	Expert panel: Changing Coasts Workshop. World University Network. Southampton, UK, 12–14 March 2013

Selected Media Appearances

2020-08-24	Wie bedrohte Küstenstädte auf den Klimawandel reagieren, <i>PM Magazin</i> .
2020-05-05	Reaktion auf Klimawandel in Küstengebieten: Deiche, die sich lohnen, <i>Der Tagesspiegel</i> . Link
2020-05-04	Küstenschutz und Klimawandel in Deutschland, <i>Deutschlandfunk</i> . Link
2019-09-25	Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) of the Intergovernmental Panel on Climate Change (IPCC), <i>Deutsche Welle TV</i> .
2019-09-25	Meeresspiegelanstieg: In Horrorszenarien wird vergessen, dass der Mensch sich schützt, <i>Die Welt</i> . Link
2019-09-24	Bangen um Eis und Küsten: Der Weltklimarat IPCC stellt am Mittwoch seinen Sonderbericht zu den Folgen des Klimawandels für Polkappen, Gletscher und Ozeane vor, <i>Berliner Zeitung</i> . Link
2019-09-18	Adaptation to coastal flood risk in Africa, <i>Spiegel online</i> . Link
2019-08-27	Risk and adaptation in coastal cities, <i>Nature</i> .

Conference Organization

2022-05-05	Workshop: Predictability in the natural and social sciences . KüNO program for coastal sea research in the North and Baltic Seas funded by the BMBF. Online, 2022-05-05
2021-09-22/23	Symposium: Symposium on the cultures of coastal adaptation . Global Climate Forum (GCF). Online, 2021-09-22/23
2021-09-05	Workshop: Interdisciplinary collaboration in coastal research . KüNO program for coastal sea research in the North and Baltic Seas funded by the BMBF. Online, 2021-09-05

- 2018-03-13/14 **Conference:** Action for Climate - Narratives, Win-Win Solutions and Climate Finance. International conference of the GREEN-WIN project. Casa Convalescència, Autonomous University of Barcelona, Barcelona, Spain, 2018-03-13/14
- 2016-05-10/13 **Convenor:** Adaptation Futures. Third biennial conference of the Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA). Rotterdam, The Netherlands, 2016-05-10/13
- 2014-05-12/16 **Session chair:** The Shift from Adaptation to Transformation. Adaptation Futures 2014: Third International Climate Change Adaptation Conference. Fortaleza, Brazil, 2014-05-12/16
- 2014-05-12/16 **Session chair:** Adaptation in coasts, deltas and small islands. Adaptation Futures 2014: Third International Climate Change Adaptation Conference. Fortaleza, Brazil, 2014-05-12/16
- 2013-03-18/20 **Session chair:** Role of tools and knowledge in adaptation – results from the project MEDIATION (Methodology for Effective Decision-Making on Impacts and Adaptation). European Climate Change Adaptation Conference (ECCA 2013). Hamburg, 2013-03-18/20
- 2013-03-18/20 **Session chair:** Institutional economics of climate change adaptation. European Climate Change Adaptation Conference (ECCA 2013). Hamburg, 2013-03-18/20
- 2013-03-18/20 **Session chair:** Climate risk assessment. European Climate Change Adaptation Conference (ECCA 2013). Hamburg, 2013-03-18/20

Teaching

- 2012 - present Module on [Human-Environmental Systems Interaction and Analysis of social-ecological systems](#) at the Division of Resource Economics, Albrecht Daniel Thaer-Institute of Agricultural and Horticultural Sciences, Faculty of Life Sciences at Humboldt University, Berlin
- 2009 Training courses for coastal managers on assessing coastal vulnerability organized by the Asian Pacific Network and LOCIZ (Land-Ocean Interactions in the Coastal Zone).
- 1999 - 2000 Training courses for employees of IT companies on web software technology

Reviewing and editorial activities

I have been reviewing for a wide range of journals including Science, Nature, Nature Climate Change, Proceedings of the National Academy of Sciences of the United States of America (PNAS), Environmental Research Letters, Global Environmental Change and Climatic Change. I have acted as guest editor for the Proceedings of the National Academy of Sciences of the United States of America (PNAS), Climatic Change and Regnal Environmental Change.

Language skills

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|---------|--------------------------------------|
| German | Mother tongue |
| English | Excellent passive and active command |
| Spanish | Good active and passive command |

French Fair passive and poor active command

Other relevant skills

Leadership	Visionary and collaborative leadership style, extensive experience in project & programme development and management
Communication	Excellent communication and presentation skills (written and oral), non-violent communication (Marshall Rosenberg)
Social	Extensive experience in social community engagement (e.g., participation in collective housing projects)
Modelling	Excellent command of a variety of modelling techniques including system dynamics, agent-based modelling, differential/difference equations, description logic and ontologies.
Programming	Excellent command of many programming environments and languages such as GNU/Linux, Java, Scala, C/C++, Haskell, NetLogo, Perl, Python, R, SQL, PostGIS, UML, XML and Bash

Publications (since 2008)

Number of citations (23 June 2021): 15,936 (Google scholar) h-index (23 June 2021): 51 (Google scholar)

Articles in ISI journals

- Amores, A., M. Marcos, R. Pedreros, G. Le Cozannet, S. Lecacheux, J. Rohmer, J. Hinkel, G. Gussmann, T. van der Pol, A. Shareef, and Z. Khaleel (2021). Coastal Flooding in the Maldives Induced by Mean Sea-Level Rise and Wind-Waves: From Global to Local Coastal Modelling. In: *Frontiers in Marine Science* 8. DOI: [10.3389/fmars.2021.665672](https://doi.org/10.3389/fmars.2021.665672).
- Bisaro, A., J. Hinkel, G. Le Cozannet, T. van der Pol, and A. Haas (2021). Global Climate Services: A Typology of Global Decisions Influenced by Climate Risk. In: *Frontiers in Marine Science* 8, p. 1886. DOI: [10.3389/fmars.2021.728687](https://doi.org/10.3389/fmars.2021.728687).
- Gussmann, G. and J. Hinkel (2021a). A Framework for Assessing the Potential Effectiveness of Adaptation Policies: Coastal Risks and Sea-Level Rise in the Maldives. In: *Environmental Science & Policy* 115, pp. 35–42. DOI: [10.1016/j.envsci.2020.09.028](https://doi.org/10.1016/j.envsci.2020.09.028).
- (2021b). Vested Interests, Rather than Adaptation Considerations, Explain Varying Post-Tsunami Relocation Outcomes in Laamu Atoll, Maldives. In: *One Earth*. DOI: [10.1016/j.oneear.2021.09.004](https://doi.org/10.1016/j.oneear.2021.09.004).
- Hinkel, J., L. Feyen, M. Hemer, G. Cozannet, D. Lincke, M. Marcos, L. Mentaschi, J. L. Merkens, H. Moel, S. Muis, R. J. Nicholls, A. T. Vafeidis, R. S. W. Wal, M. I. Vousdoukas, T. Wahl, P. J. Ward, and C. Wolff (2021). Uncertainty and Bias in Global to Regional Scale Assessments of Current and Future Coastal Flood Risk. In: *Earth's Future* 9.7. DOI: [10.1029/2020EF001882](https://doi.org/10.1029/2020EF001882).
- Kok, S., A. Bisaro, M. de Bel, J. Hinkel, and L. M. Bouwer (2021). The Potential of Nature-Based Flood Defences to Leverage Public Investment in Coastal Adaptation: Cases from the Netherlands, Indonesia and Georgia. In: *Ecological Economics* 179, p. 106828. DOI: [10.1016/j.ecolecon.2020.106828](https://doi.org/10.1016/j.ecolecon.2020.106828).
- Lincke, D. and J. Hinkel (2021). Coastal Migration Due to 21st Century Sea-Level Rise. In: *Earth's Future* 9.5. DOI: [10.1029/2020EF001965](https://doi.org/10.1029/2020EF001965).
- Mandel, A., T. Tiggeloven, D. Lincke, E. Koks, P. Ward, and J. Hinkel (2021). Risks on Global Financial Stability Induced by Climate Change: The Case of Flood Risks. In: *Climatic Change* 166.1, p. 4. DOI: [10.1007/s10584-021-03092-2](https://doi.org/10.1007/s10584-021-03092-2).

- Nicholls, R. J., S. E. Hanson, J. A. Lowe, A. B. A. Slangen, T. Wahl, J. Hinkel, and A. J. Long (2021). Integrating New Sea-level Scenarios into Coastal Risk and Adaptation Assessments: An Ongoing Process. In: *WIREs Climate Change* 12.3. DOI: [10.1002/wcc.706](https://doi.org/10.1002/wcc.706).
- Nicholls, R. J., D. Lincke, J. Hinkel, S. Brown, A. T. Vafeidis, B. Meyssignac, S. E. Hanson, J.-L. Merkens, and J. Fang (2021). A Global Analysis of Subsidence, Relative Sea-Level Change and Coastal Flood Exposure. In: *Nature Climate Change*. DOI: [10.1038/s41558-021-00993-z](https://doi.org/10.1038/s41558-021-00993-z).
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