

Journal Publications (peer reviewed)

- 2017 Knopf, B., Fuss, S., **Hansen**, G., Creutzig, F., Minx, J., Edenhofer, O., 2017: From targets to action: rolling up our sleeves after Paris. Wiley's *Global Challenges*, 1:2, 10.1002/gch2.201600007
- 2016 **Hansen**, G., Stone, DS., 2016: Assessing the observed impact of anthropogenic climate change, *Nature Climate Change*, Issue 6, pp 532–537, doi:10.1038/nclimate2896
- Stone, DS., **Hansen**, G., 2016: Rapid systematic assessment of the detection and attribution of regional anthropogenic climate change, *Climate Dynamics*, Volume 47, Issue 5, pp 1399–1415, doi: 10.1007/s00382-015-2909-2
- Huggel C, Bresch D, **Hansen** G, James R, Mechler, R., Stone D, & Wallmann-Helmer I (2016). [Attribution of irreversible loss to anthropogenic climate change](#). In: EGU General Assembly 2016, 17-22 April, 2016, Vienna Austria
- Hansen**, G., Stone, D., Auffhammer, M., Huggel, C., Cramer, W., 2016: Linking local impacts to climate change – a guide to attribution. *Regional Environmental Change* 16 (2, SI), pp.527--541. doi:10.1007/s10113-015-0760-y
- 2015 **Hansen**, G., Cramer, W., 2015: The global distribution of observed climate change impacts. Commentary, *Nature Climate Change*, 5(3), 182-185
- Hansen**, G., 2015: The evolution of the evidence base for observed climate change impacts. *Current Opinion in Environmental Sustainability*, 14:187–197, doi:10.1016/j.cosust.2015.05.005
- Huggel, C., Stone, D., Eicken, H., **Hansen**, G., 2015: Potential and limitations of the attribution of climate change impacts for informing loss and damage discussions and policies. *Climatic Change*, Special Issue on Climate Justice, 133: 453, doi: 10.1007/s10584-015-1441-z
- Schulte-Uebbing, L., **G. Hansen**, A. Hernández, M. Winter, M., 2015: Chapter Scientists in the IPCC AR5 - Experience and Lessons Learned. *Current Opinion on Environmental Sustainability*, Volume 14, June 2015, pp 250–256, doi:10.1016/j.cosust.2015.06.012
- 2014 **Hansen**, G., Auffhammer, M., Solow, A., 2014: On the attribution of an extreme event to climate change. *Journal of Climate*, 27:8297-8301
- 2013 Huggel, C., Stone, D., Auffhammer, M., **Hansen**, G., 2013: Loss and damage attribution. *Nature Climate Change*. 2013;3(8):694–696
- Hansen**, G., D. Stone, M. Auffhammer, 2013: Detection and attribution of climate change impacts – is a universal discipline possible? Conference paper, Impacts World Conference, Potsdam, 27-30 May 2013
- Stone, D., M. Auffhammer, M. Carey, G. **Hansen**, C. Huggel, W. Cramer, D. Lobell, U. Molau, A. Solow, L. Tibig, and G. Yohe, 2013: The challenge to detect and attribute effects of climate change on human and natural systems. *Climatic Change*, 121(2)

Monographs and Book Chapters (peer reviewed)

- 2016 Hirschfeld, J., D. Messner, G. **Hansen**, 2016: Die klimaresiliente Gesellschaft – Transformation und Systemänderungen. In Brasser, G., Jacob, D. (eds) Klimabericht: Assessment für Deutschland, Springer, Germany

- 2015 **Hansen, G.**, 2015: Assessing the observed impacts of anthropogenic climate change. PhD Thesis, Wageningen University, NL, pp. 186. ISBN 978-94-6257-429-8
- 2014 Cramer, W et al., 2014: Detection and attribution of observed impacts. In: *Climate Change 2014: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, [C.B. Field, V. Barros, D.J. Dokken, M.D. Mastrandrea KJM, eds.]. Cambridge University Press, pp. 979-1037
- 2012 **Hansen, G.**, M. Jakob, S. Kadner, 2012: Sustainable Development as a Cornerstone of a Future Energy System. In *Climate Change, Justice and Sustainability [Edenhofer, O.; Wallacher, J.; Lotze-Campen, H.; Reder, M.; Knopf, B.; Müller, J. (Eds.)]*, Springer
O. Edenhofer, R. Pichs-Madruga, Y. Sokona, C. Field, V. Barros, T.F. Stocker, Q. Dahe, J. Minx, K. Mach, G.-K. Plattner, S. Schlömer, G. **Hansen**, M. Mastrandrea (eds.). Meeting Report of the Intergovernmental Panel on Climate Change Expert Meeting on Geoengineering. IPCC Working Group III Technical Support Unit, PIK Potsdam, Germany, pp. 99
- 2011 IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. **Hansen**, S. Schlömer, C. von Stechow (eds)], Cambridge University Press
Author of the **Summary for Policymakers**, and the **Technical Summary** of the IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation (SRREN); Contributing Author of SRREN Chapter 9, *Renewable Energy in the Context of Sustainable Development*

Policy Briefs and Reports

- 2019 **Hansen, G.**, Weischer, L., Bingler, J. Investitionen im Einklang mit 1.5°C - Die Bedeutung des IPCC-Sonderberichts zu 1,5 Grad globale Erwärmung für Finanzierungsentscheidungen. Germanwatch Hintergrundpapier, Februar 2019, <https://germanwatch.org/de/16273>
- 2017 Bals, C., **Hansen, G.**, Weischer, L. The Hamburg G20 Summit Outcome on Climate and Energy. Germanwatch Policy, Brief Juli 2017, <https://germanwatch.org/en/14098>
Bingler, J.A., **Hansen, G.**, Von Rosenberg, V., Weischer, L. Die Rolle Multilateraler Entwicklungsbanken zur Umsetzung des Pariser Abkommens. Germanwatch Hintergrundpapier, Juni 2017, <http://germanwatch.org/de/14041>
Hansen, G. et al. Shifting the trillions. The role of the G20 in making financial flows consistent with global long-term climate goals. Germanwatch Briefing Paper – German Presidency update, Februar 2017, <https://germanwatch.org/de/13488>
- 2016 Guo, H., Bai, Y., **Hansen, G.** From Hangzhou to Hamburg – Green Finance in the G20. Policy perspective, October 2016, Germanwatch and Greenovation Hub
Hansen, G. et al. Shifting the trillions. The role of the G20 in making financial flows consistent with global long-term climate goals. Germanwatch Briefing Paper August 2016

Other Publications

- 2019 **Hansen, G.** Heutiges Handeln entscheidet die Zukunft im und am Meer; Gastbeitrag in Umwelt Aktuell 11/2019, oekom Verlag
- 2017 **Hansen, G.** G20-Start in Argentinien: Zur Klimakrise kein Konsens, Blogbeitrag, Dezember 2017, <https://germanwatch.org/de/14796>

Hansen, G. Der deutsche G20-Subventionsbericht: eine weitere Chance vertan, Blogbeitrag, November 2017, <https://germanwatch.org/de/14749> [EN: Germany fails at G20 Fossil Fuel Subsidy Review, Blog post, November 2017, <https://germanwatch.org/en/14750>]

Hansen, G. Argentinien zwischen den Stühlen: die Vorbereitung einer schwierigen G20-Präsidentschaft, Blogbeitrag, Oktober 2017, <https://germanwatch.org/de/14554> [EN: Between a rock and a hard place: Argentina preparing a difficult G20 presidency, Blog post, October 2017, <https://germanwatch.org/en/14553>]

Hansen, G. Die Zukunft des Emissionshandels: Was wir handeln, muss real sein – und wir müssen es beweisen! Blogbeitrag, Oktober 2017, <https://germanwatch.org/de/14440>

Hansen, G. Dünnere Luft für die fossile Finanzwirtschaft. Blogbeitrag, Juli 2017, <http://www.klimaretter.info/meinungen/standpunkte/23408-duennere-luft-fuer-fossile-finanzwirtschaft>

Hansen, G., *Klimaschutz und Entwicklung sind keine Gegensätze*, Interview mit Marianne Buenaventura Goldman, Koordinatorin des BRICSAM-NGO-Netzwerkes aus Südafrika, Weitblick 2/2017, <https://germanwatch.org/de/14007>

Hansen, G. G19 für das Klima? Internationaler Klimaschutz in Zeiten des US-Politikversagens, Weitblick Artikel, Juni 2016, <https://germanwatch.org/de/14004>

Hansen, G. David trifft auf Goliath: Das erste V20-G20-Treffen, Blogbeitrag, April 2017, <https://germanwatch.org/de/13800> [EN: David meets Goliath: The first V2-G20 meeting, Blog post, April 2017, <https://germanwatch.org/en/13801>]

2016

Hansen, G., Guo, H. Dasselbe in Grün? Blogbeitrag, November 2016, <https://germanwatch.org/de/13145> [EN: Same same but green? Blogpost, November 2016, <https://germanwatch.org/en/13146>]

Hansen, G., Bals, C. G20 als Schwungrad der Dekarbonisierung? Weitblick Artikel, Oktober 2016, <https://germanwatch.org/de/13006>

Hansen, G. Startschuss für den IPCC-Sonderbericht zu 1.5°C Erwärmung, Blogbeitrag, Oktober 2016, <http://germanwatch.org/de/12929>

Hansen, G., Bals, C. G20-Staaten müssen CO2 bepreisen. Blogbeitrag, September 2016, <http://www.klimaretter.info/meinungen/standpunkte/21907-g20-staaten-muessen-co2-bepreisen> [EN: Why the G20 must put a price on Carbon, Blogpost, September 2016, <https://germanwatch.org/en/12837>]

Hansen, G., Weischer, L. Eine Welt ohne Kohle, Öl und Gas, Standpunkt, August 2016, <http://www.klimaretter.info/meinungen/standpunkte/21815-eine-welt-ohne-kohle-oel-und-gas> [EN: G20 should lead the way to a fossil-free future, Blogpost, August 2016, <https://germanwatch.org/en/12706>]

Hansen, G. Das 1.5°C Dilemma. Blogbeitrag, Klimaretter, August 2016, <http://www.klimaretter.info/meinungen/standpunkte/21750-das-1-5-grad-dilemma>

Hansen, G. Après Paris: Das 1,5° Dilemma. *Sonnenenergie*, Ausgabe 2016/6

Hansen, G., Mutlak, N., 2016: 23. Fachgespräch der Clearingstelle EEG - »Technische Einrichtungen zur Einspeiseregulierung - Einspeisemanagement und Direktvermarktung« *ER (Zeitschrift für die gesamte Energierechtspraxis)* 03/16, 140

Teaching Experience - Academic Courses

- 03/2012 – **Responses to global environmental change – Mitigation**
08/2012 Teaching, program coordination, design and supervision of student term papers for a 10 ECTS module of the HNEE Graduate Course Global Change Management (GCM), focusing on interactions, risk and opportunities of climate change mitigation options
- 09/2010 – **Global Systems Analysis**
02/2011 Teaching (subject: systems dynamic and analysis), program coordination, design and supervision of student term projects for a 12 ECTS module of HNEE GCM, focusing on the characteristics, dynamics and global change drivers within natural and human systems

Individual lectures, key notes and public events (selection)

- 10/2018 **IPCC Sonderbericht zu 1.5°C globale Erwärmung – Kernbotschaften**
Keynote beim Round Table des Russian Social Ecological Forum St. Petersburg
- 10/2018 **IPCC SR 1.5C - Auftrag, zentrale Botschaften und Erkenntnisse**
Vortrag, Diskussionsveranstaltung im Pögehaus Leipzig
- 06/2018 **Moderator, Berlin Green Investment Summit and Berlin Investor Day**
IIGCC, Wermuth Asset Management and TONIIC
- 05/2018 **Detection and attribution - bridging the assessment across WGI and WGII**
Joint keynote with Prof. Robert Vautard, IPCC Expert Meeting on Assessing Climate Information for Regions, Trieste
- 11/2017 **Transition-testing infrastructure investments**
Panelist, Side-Event von Germanwatch und Heinrich-Böll-Stiftung, COP23 in Bonn
- 06/2017 **Green Finance** – Panelist at Mercator Institute for China Studies High Level Conference: Joining Forces in Global climate Policy, June 30th 2017, Berlin
- 03/2017 **Oceans and Climate Change: from scientific evidence to action**
Panelist, German Science Year 2016 - Seas and Oceans at the UK Embassy, Berlin
- 09/2016 **Von China nach Deutschland: der G20-Prozess als Schwungrad für die globale Transformation** – Panelist, Festival der Zukunft des BMU
- 03/2015 **Detection and attribution of observed impacts, and their implication for adaptation**
Keynote at GCOS/UNFCCC/IPCC workshop “Enhancing observations to support preparedness and adaptation in a changing climate – learning from IPCC AR5”, Bonn
- 06/2014 **The art of assessment making - structures and processes behind the IPCC report**
Keynote; School of Integrated Climate System Sciences, Hamburg, PhD retreat
- 04/2014 **Key impacts and risks of climate change - highlights from the IPCC WG2 report**
Public lecture, PIK “Science and Pretzels” lecture series for PhD students
- 04/2013 **IPCC – the art of being policy relevant without being policy prescriptive**
Lecture, HNEE Graduate Course Global Change Management
- 10/2012 **Renewable energies and climate change mitigation: lessons from the IPCC SRREN**
Lecture, Wesleyan University, Connecticut, USA, College of the Environment
- 04/2011 **The bioenergy challenge**
Session moderator, Microenergy International Conference, TU Berlin