

Quarks – AMOC-Kollaps

In diesem Dokument haben wir die wichtigsten Quellen zu unserem YouTube-Video aufgelistet:

[1]	Van Westen et al. (2024) Physics-based early warning signal shows that AMOC is on tipping course https://www.science.org/doi/epdf/10.1126/sciadv.adk1189
[2]	Ebd.
[3]	Ebd. + Ditlevsen & Ditlevsen (2023) Warning of a forthcoming collapse of the Atlantic meridional overturning circulation https://www.nature.com/articles/s41467-023-39810-w
[4]	McKay et al. (2022) Exceeding 1.5°C global warming could trigger multiple climate tipping points https://www.science.org/doi/10.1126/science.abn7950 Wang et al. (2023): Mechanisms and Impacts of Earth System Tipping Elements. Review in Review of Geophysics. https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2021RG000757
[5]	Wang et al. (2023): Mechanisms and Impacts of Earth System Tipping Elements. Review in Review of Geophysics. https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2021RG000757
[6]	PIK, Kippelemente – Großrisiken im Erdsystem https://www.pik-potsdam.de/de/produkte/infothek/kippelemente/kippelemente
[7]	Deutsches Klimakonsortium (2017) The Future of the Gulf Stream Circulation https://www.cen.uni-hamburg.de/en/about-cen/documents/zukunft-der-golfstromzirkulation-eng.pdf
[8]	National Oceanic and Atmospheric Administration https://oceanservice.noaa.gov/facts/largest-waterfall.html#:~:text=Indeed%2C%20the%20world%27s%20largest%20waterfall,nearly%20a%20two-mile%20drop.
[9]	Holliday et al. (2020) Ocean circulation causes the largest freshening event for 120 years in eastern subpolar North Atlantic https://www.nature.com/articles/s41467-020-14474-y Chenyu Zhu & Zhengyu Liu (2020) Weakening Atlantic overturning circulation causes South Atlantic salinity pile-up https://www.nature.com/articles/s41558-020-0897-7
[10]	Van Westen et al. (2024) Physics-based early warning signal shows that AMOC is on tipping course https://www.science.org/doi/epdf/10.1126/sciadv.adk1189
[11]	Ebd.
[12]	Jackson et al. (2015): Global and European climate impacts of a slowdown of the AMOC in a high resolution GCM, Climate Dynamics https://link.springer.com/article/10.1007/s00382-015-2540-2
[13]	Ritchie et al. (2020): Shifts in national land use and food production in Great Britain after a climate tipping point, Nature Food https://www.nature.com/articles/s43016-019-0011-3

[14]	Jackson et al. (2015): Global and European climate impacts of a slowdown of the AMOC in a high resolution GCM, Climate Dynamics, https://link.springer.com/article/10.1007/s00382-015-2540-2
[15]	NSF National Center for Atmospheric Research: Community Earth System Model 2 (CESM2), https://www.cesm.ucar.edu/models/cesm2
[16]	Deutsches Klimarechenzentrum (DRKZ): CMIP6, https://www.dkrz.de/de/kommunikation/klimasimulationen/cmip6-de/de-cmip6
[17]	Deutsche IPCC-Koordinierungsstelle, Abbildungen AR6-WGI-SPM https://www.de-ipcc.de/360.php
[18]	IPCC Report AR6-WGI, Summary for Policymakers https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf
[19]	Keigwin et al. (2018) Deglacial floods in the Beaufort Sea preceded Younger Dryas cooling https://www.nature.com/articles/s41561-018-0169-6 NOAA (2021) The Younger Dryas https://www.ncei.noaa.gov/sites/default/files/2021-11/3%20The%20Younger%20Dryas%20-FINAL%20NOV%20%281%29.pdf Cheng et al. (2020) Timing and structure of the Younger Dryas event and its underlying climate dynamics https://www.pnas.org/doi/10.1073/pnas.2007869117 Ceasar et al. (2018) Observed fingerprint of a weakening Atlantic Ocean overturning circulation https://www.nature.com/articles/s41586-018-0006-5
[20]	Prof. Dr. Stefan Rahmstorf im Interview: https://taz.de/Klimaexperte-ueber-Kipppunkte/!5989012/