

Endnotes

- 1 <https://www.bmwk.de/Redaktion/DE/Dossier/wasserstoff.html>
- 2 https://gas.info/neue-gase/wasserstoff?gclid=Cj0KCQjwj5mpBhDJARIsAOVjBdpTyJwTlWz3zHRZ_m6UB6bK-2CtnXFjF-wyUmx8c3_g9dkawbJI9IaAhQHEALw_wcB
- 3 Corporate Europe Observatory, Germany's great hydrogen race. The corporate perpetuation of fossil fuels, energy colonialism and climate disaster. März 2023, Brüssel. https://corporateeurope.org/sites/default/files/2023-03/Germany%E2%80%99sGreatHydrogenRace_CEO.2023.pdf
- 4 Bundesministerium für Wirtschaft und Klimaschutz, Fortschreibung der Nationalen Wasserstoffstrategie, S.6. Juli 2023, Berlin. https://www.bmwk.de/Redaktion/DE/Publikationen/Energie/fortschreibung-nationale-wasserstoffstrategie.pdf?__blob=publicationFile&v=9
- 5 Bundesministerium für Wirtschaft und Klimaschutz, Fortschreibung der Nationalen Wasserstoffstrategie, S.9. Juli 2023, Berlin. https://www.bmwk.de/Redaktion/DE/Publikationen/Energie/fortschreibung-nationale-wasserstoffstrategie.pdf?__blob=publicationFile&v=9
- 6 These can be hydrogen partnerships, energy or climate partnerships with a focus on hydrogen, hydrogen diplomacy offices or dialogues. Corporate Europe Observatory, Germany's great hydrogen race. The corporate perpetuation of fossil fuels, energy colonialism and climate disaster, S.24. März 2023, Brüssel. https://corporateeurope.org/sites/default/files/2023-03/Germany%E2%80%99sGreatHydrogenRace_CEO.2023.pdf
- 7 Bundesministerium für Wirtschaft und Klimaschutz, Fortschreibung der Nationalen Wasserstoffstrategie, S.10,13,28,29. Juli 2023, Berlin. https://www.bmwk.de/Redaktion/DE/Publikationen/Energie/fortschreibung-nationale-wasserstoffstrategie.pdf?__blob=publicationFile&v=9
- 8 MDR, Das Problem mit grünem Wasserstoff aus Saudi-Arabien. 06.12.2022. <https://www.mdr.de/nachrichten/deutschland/politik/deutschland-wasserstoff-saudi-arabien-menschenrechte-100.html>
- 9 Delia Villagrasa, Green Hydrogen: Key success criteria for sustainable trade & production, S. 36. Brot für die Welt/Heinrich-Böll-Stiftung, November 2022. <https://www.boell.de/sites/default/files/2022-11/green-hydrogen-bericht.pdf>
- 10 Robert W. Howarth und Mark Z. Jacobson, How green is blue hydrogen? Energy Science & Engineering Vol 9 Issue 10, Oktober 2021, p. 1676-1687. <https://doi.org/10.1002/ese3.956>
- 11 International Energy Agency, Global Hydrogen Review 2023, S. 64. September 2023. <https://iea.blob.core.windows.net/assets/cb9d5903-0df2-4c6c-afa1-4012f9ed45d2/GlobalHydrogenReview2023.pdf>
- 12 Vgl. Rachel Parks, Hydrogen Ladder: Seven H₂ applications relegated in updated use-case analysis, but three promoted. Hydrogen Insight, 23.10.2023. <https://www.hydrogeninsight.com/policy/hydrogen-ladder-seven-h2-applications-relegated-in-updated-use-case-analysis-but-three-promoted/2-1-1540086>
- 13 Rachel Parks, Hydrogen Ladder: Seven H₂ applications relegated in updated use-case analysis, but three promoted. Hydrogen Insight, 23.10.2023. <https://www.hydrogeninsight.com/policy/hydrogen-ladder-seven-h2-applications-relegated-in-updated-use-case-analysis-but-three-promoted/2-1-1540086>
- 14 See e.g. DVGW <https://www.dvgw.de/themen/energiewende/wasserstoff-und-energiewende/h2vorort>; FDP, <https://www.fdp.de/seite/deutschland-zur-wasserstoffrepublik-machen>; CSU und Freie Wähler, Koalitionsvertrag für die Legislaturperiode 2023-2028, S. 69. https://www.csu.de/common/download/Koalitionsvertrag_2023_Freiheit_und_Stabilitaet.pdf
- 15 Corporate Europe Observatory, Food & Water Action Europe, Re:Common, Fossil Free Politics, The Hydrogen Hype: Gas industry fairy tale or climate horror story? Dezember 2020, Brüssel. <https://corporateeurope.org/en/hydrogen-hype>
- 16 <https://www.isi.fraunhofer.de/de/presse/2022/presseinfo-25-Ing-terminals-wasserstoff-ammoniak.html>; <http://hydrogen-model.eu/>; <https://taz.de/Gefahr-fuer-die-Energiewende!/5963523/>
- 17 International Hydropower Association, The green hydrogen revolution: hydropower's transformative role. Mai 2021. <https://www.hydropower.org/publications/the-green-hydrogen-revolution-hydropowers-transformative-role>
- 18 <https://voith.com/corp-de/inside-innovation/wasserstoff-energietraeger-der-zukunft.html>

- 19 Andreas Menn, „Beim Mega-Trend Wasserstoff hinken wir hinterher“. Wirtschaftswoche, 21.01.2022. <https://www.wiwo.de/technologie/forschung/erneuerbare-energien-beim-megatrend-wasserstoff-hinken-wir-hinterher/27989068.html>
- 20 Jonas Gerding, Wasserstoff aus Angola für Deutschlands Energiewende. Deutsche Welle, 02.06.2023. <https://www.dw.com/de/wasserstoff-aus-angola-f%C3%BCr-deutschlands-energiewende/a-65796076>
- 21 <https://www.hydro.com.au/clean-energy/hydrogen>
- 22 <https://fortescue.com/what-we-do/our-projects/holmaneset>
- 23 Gabriel Friedman, Green hydrogen project still alive despite Hydro-Quebec exit, Quebec Minister says. Financial Post, 31.08.2022. <https://financialpost.com/commodities/energy/renewables/green-hydrogen-project-still-alive-despite-hydro-quebec-exit-quebec-minister-says>
- 24 Anela Dokso, Ukrhydroenergo and Andritz Hydro Join Forces on Ukraine’s Green Hydrogen. Energy News, 25.10.2023. <https://energynews.biz/ukrhydroenergo-and-andritz-hydro-join-forces-on-ukraines-green-hydrogen/>
- 25 Government of Colombia, Colombia’s Hydrogen Roadmap. https://www.minenergia.gov.co/documents/5862/Colombias_Hydrogen_Roadmap_2810.pdf. Colombia’s electricity mix has more than 73% hydropower, s. <https://ourworldindata.org/grapher/share-electricity-hydro>
- 26 Deutsch-Brasilianische Industrie- und Handelskammer, Aufbau von Green Hydrogen Hubs in strategischen Häfen Brasiliens, S. 6. https://www.german-energy-solutions.de/GES/Redaktion/DE/Publikationen/Marktanalysen/2022/zma-brasilien-h2.pdf?__blob=publicationFile&v=3. Brazil’s electricity mix has almost 63% hydropower, s. <https://ourworldindata.org/grapher/share-electricity-hydro>
- 27 <https://fortescue.com/what-we-do/our-projects>
- 28 <https://fortescue.com/what-we-do/our-projects/holmaneset>
- 29 <https://www.reuters.com/article/indonesia-mining-idUKL1N2PW06S>
- 30 Marc Ludlow, Fortescue Future Industries to build 18 clean energy projects in PNG. Financial Review, 05.11.2021. <https://www.afr.com/companies/energy/fortescue-future-industries-to-build-18-clean-energy-projects-in-png-20211105-p596dj>
- 31 <https://fortescue.com/what-we-do/our-projects/grand-inga>
- 32 <https://www.finanznachrichten.de/nachrichten-2022-06/56388362-fortescue-future-industries-australian-german-business-coalition-produces-a-roadmap-for-large-scale-green-hydrogen-import-to-germany-fortescue-futu-008.htm>
- 33 International Rivers, Seeing green: Hydropower to “green” hydrogen is the latest false climate solution. <https://www.internationalrivers.org/wp-content/uploads/sites/86/2022/07/Green-Hydrogen-Factsheet.pdf>, see also <https://www.internationalrivers.org/where-we-work/africa/congo/inga-campaign/>
- 34 Tara Lohan, Dam accounting: Taking stock of methane emissions from reservoirs. Climate Diplomacy, 25.04.2022. <https://climate-diplomacy.org/magazine/environment/dam-accounting-taking-stock-methane-emissions-reservoirs>
- 35 GegenStrömung und Misereor, Wasserkraft und Klimawandel: Auslaufmodell in der Klimakrise. Berlin, 2020. https://www.gegenstroemung.org/wp-content/uploads/2021/09/FS_Wasserkraft-KLIMA_GegenStroemung2020.pdf
- 36 GegenStrömung und Misereor, Wasserkraft und Klimawandel: Auslaufmodell in der Klimakrise. Berlin, 2020. https://www.gegenstroemung.org/wp-content/uploads/2021/09/FS_Wasserkraft-KLIMA_GegenStroemung2020.pdf; Jacques Leslie, The Growing Danger of Dams. TIME Ideas. 26.09.2023. <https://time.com/6317451/dams-environmental-impact-libya-danger/>
- 37 GegenStrömung, Keine einfache Lösung: Wasserkraft, der Klimawandel und die Ziele für Nachhaltige Entwicklung. Berlin, 2018. https://www.gegenstroemung.org/wp-content/uploads/2019/12/FSdt_WK_SDG_online.pdf
- 38 45% of the world population experience power outages of at least one hour at least once a month. Todd Moss, Morgan Bazilian, Jacob Kincer und John Ayaburi, 3.5 Billion People Lack Reliable Power. <https://energyfor-growth.org/article/3-5-billion-people-lack-reliable-power>

Last access for all online sources: 10.11.2023