## **References**

Andreoni, P., Emmerling, J., & Tavoni, M. (2024). Inequality repercussions of financing negative emissions. Nature Climate Change, 14(1), 48-54. <https://doi.org/10.1038/s41558-023-01870-7>

Arnstein, S.R. (2019). A Ladder of Citizen Participation. *Journal of the American Planning Association*, 85(1), pp.24–34. doi:<https://doi.org/10.1080/01944363.2018.1559388>

Arning, K., Offermann-van Heek, J., Sternberg, A., Bardow, A., & Ziefle, M. (2020). Risk-benefit perceptions and public acceptance of carbon capture and utilization. Environmental Innovation and Societal Transitions, 35, 292-308. <https://doi.org/10.1016/j.eist.2019.05.003>

Arning, K., Offermann-van Heek, J., Linzenich, A., Kaetelhoen, A., Sternberg, A., Bardow, A., & Ziefle, M. (2019). Same or different? insights on public perception and acceptance of carbon capture and storage or utilization in germany. Energy Policy, 125, 235-249. <https://doi.org/10.1016/j.enpol.2018.10.039>

Ashworth, P., Sun, Y., Ferguson, M., Witt, K., & She, S. (2019). Comparing how the public perceive CCS across australia and china. International Journal of Greenhouse Gas Control, 86, 125-133. <https://doi.org/10.1016/j.ijggc.2019.04.008>

Ashworth, P., Wade, S., Reiner, D., & Liang, X. (2015). Developments in public communications on CCS. International Journal of Greenhouse Gas Control, 40, 449-458. <https://doi.org/10.1016/j.ijggc.2015.06.002>

Ashworth, P., Boughen, N., Mayhew, M., & Millar, F. (2009). An integrated roadmap of communication activities around carbon capture and storage in australia and beyond. Energy Procedia, 1(1), 4749-4756. <https://doi.org/10.1016/j.egypro.2009.02.300>

Batres, M., Wang, F. M., Buck, H., Kapila, R., Kosar, U., Licker, R., Nagabhushan, D., Rekhelman, E., & Suarez, V. (2021). Environmental and climate justice and technological carbon removal. The Electricity Journal, 34(7), 107002. <https://doi.org/10.1016/j.tej.2021.107002>

Babatunde, O., Adebisi, J., Emezirinwune, M., Babatunde, D., & Abdulsalam, K. A. (2024). How serious are ethical considerations in energy system decarbonization? Current Opinion in Environmental Sustainability, 71, 101477. <https://doi.org/10.1016/j.cosust.2024.101477>

Bellamy, R. (2022). Mapping public appraisals of carbon dioxide removal. Global Environmental Change, 76, 102593. <https://doi.org/10.1016/j.gloenvcha.2022.102593>

Bellamy, R., Lezaun, J., & Palmer, J. (2019). Perceptions of bioenergy with carbon capture and storage in different policy scenarios. Nature Communications, 10(1), 743-743. https://doi.org/10.1038/s41467-019- 08592-5

Boyd, A. D., Hmielowski, J. D., & David, P. (2017). Public perceptions of carbon capture and storage in canada: Results of a national survey. International Journal of Greenhouse Gas Control, 67, 1-9. <https://doi.org/10.1016/j.ijggc.2017.10.010>

Boyd, A. D. (2016). Risk perceptions of an alleged CO2 leak at a carbon sequestration site. International Journal of Greenhouse Gas Control, 50, 231-239. <https://doi.org/10.1016/j.ijggc.2016.03.025>

Bray, F. (2007). Gender and Technology. *Annual Review of Anthropology*, *36*(1), 37–53. https://doi.org/10.1146/annurev.anthro.36.081406.094328

Braun, C., Merk, C., Pönitzsch, G., Rehdanz, K., & Schmidt, U. (2018). Public perception of climate engineering and carbon capture and storage in germany: Survey evidence. Climate Policy, 18(4), 471-484. <https://doi.org/10.1080/14693062.2017.1304888>

Braun, C. (2017). Not in my backyard: CCS sites and public perception of CCS. Risk Analysis, 37(12), 2264-2275. <https://doi.org/10.1111/risa.12793>

Brauer, D.C. (2015). *CASE STUDY: Public Communication and Collaboration for Carbon Capture, Utilization and Storage Technology: Acceptance, Education, and Outreach*. [online] Available at: <https://www.researchgate.net/publication/311665531>

Bradbury, J., Ray, I., Peterson, T., Wade, S., Wong-Parodi, G., & Feldpausch, A. (2009). The role of social factors in shaping public perceptions of CCS: Results of multi-state focus group interviews in the U.S. Energy Procedia, 1(1), 4665-4672. <https://doi.org/10.1016/j.egypro.2009.02.289>

Breukers, S., & Upham, P. (2015). Organisational aspects of public engagement in european energy infrastructure planning: The case of early-stage CCS projects. Journal of Environmental Planning and Management, 58(2), 252-269. <https://doi.org/10.1080/09640568.2013.851597>

Broecks, K. P. F., van Egmond, S., van Rijnsoever, F. J., Verlinde-van den Berg, M., & Hekkert, M. P. (2016). Persuasiveness, importance and novelty of arguments about carbon capture and storage. Environmental Science & Policy, 59, 58-66. <https://doi.org/10.1016/j.envsci.2016.02.00>

Broecks, K., Jack, C., ter Mors, E., Boomsma, C., & Shackley, S. (2021). How do people perceive carbon capture and storage for industrial processes? examining factors underlying public opinion in the netherlands and the united kingdom. Energy Research & Social Science, 81, 102236. <https://doi.org/10.1016/j.erss.2021.102236>

Bruine de Bruin, W., Mayer, L. A., & Morgan, M. G. (2015). Developing communications about CCS: Three lessons learned. Journal of Risk Research, 18(6), 699-705. <https://doi.org/10.1080/13669877.2014.983951>

Brunsting, S., Upham, P., Dütschke, E., De Best Waldhober, M., Oltra, C., Desbarats, J., Riesch, H., & Reiner, D. (2011). Communicating CCS: Applying communications theory to public perceptions of carbon capture and storage. International Journal of Greenhouse Gas Control, 5(6), 1651-1662. <https://doi.org/10.1016/j.ijggc.2011.09.012>

Brunsting, S., Desbarats, J., de Best-Waldhober, M., Duetschke, E., Oltra, C., Upham, P., & Riesch, H. (2011). The public and CCS: the importance of communication and participation in the context of local realities. *Energy Procedia*, *4*, 6241-6247.

Buck, H. J. (2018). The politics of negative emissions technologies and decarbonization in rural communities. Global Sustainability, 1<https://doi.org/10.1017/sus.2018.2>

Buck, H. J. (2021). Social science for the next decade of carbon capture and storage. *The Electricity Journal*, *34*(7), 107003.

Buck, H. J. (2019). Challenges and opportunities of bioenergy with carbon capture and storage (BECCS) for communities. Current sustainable/renewable Energy Reports., 6(4), 124-130. <https://doi.org/10.1007/s40518-019-00139-y>

Buhr, K., & Wibeck, V. (2014). Communication approaches for carbon capture and storage: Underlying assumptions of limited versus extensive public engagement. Energy Research & Social Science, 3, 5-12. <https://doi.org/10.1016/j.erss.2014.05.004>

Carley, S. R., Krause, R. M., Warren, D. C., Rupp, J. A., & Graham, J. D. (2012). Early public impressions of terrestrial carbon capture and storage in a coal-intensive state. Environmental Science & Technology, 46(13), 7086-7093. <https://doi.org/10.1021/es300698n>

Chailleux, S., & de Sartre, X. A. (2021). Public acceptance of carbon dioxide capture and storage: a debate that did not take place. *Natures Sciences Societes*, (Supp. 5), 12-24.

Chen, Z., Li, Q., Liu, L., Zhang, X., Kuang, L., Jia, L., & Liu, G. (2015). A large national survey of public perceptions of CCS technology in china. Applied Energy, 158, 366-377. <https://doi.org/10.1016/j.apenergy.2015.08.046>

Cheng, N., Fürth, M., Johnson, M. C., Tay, Z. Y., Shenoi, R. A., & Wilson, P. A. (2013). Engaging the community with a “Green town” concept. Energy Procedia, 37, 7337-7345. <https://doi.org/10.1016/j.egypro.2013.06.672>

Cobo, S., Galán-Martín, Á., Tulus, V., Huijbregts, M. A. J., & Guillén-Gosálbez, G. (2022). Human and planetary health implications of negative emissions technologies. Nature Communications, 13(1), 2535- 2535. <https://doi.org/10.1038/s41467-022-30136-7>

Cox, E., Bellamy, R., & Waller, L. (2024). Public attitudes and emotions toward novel carbon removal methods in alternative sociotechnical scenarios. Environmental Research Letters, 19(8), 84026. <https://doi.org/10.1088/1748-9326/ad5dd0>

Cox, E., Spence, E., & Pidgeon, N. (2020). Public perceptions of carbon dioxide removal in the united states and the united kingdom. Nature Climate Change, 10(8), 744-749. https://doi.org/10.1038/s41558- 020-0823-z

Cuppen, E., Brunsting, S., Pesch, U., & Feenstra, Y. (2015). How stakeholder interactions can reduce space for moral considerations in decision making: A contested CCS project in the netherlands. Environment and Planning. A, 47(9), 1963-1978. <https://doi.org/10.1177/0308518X15597408>

de Best-Waldhober, M., Paukovic, M., Brunsting, S., & Daamen, D. (2011). Awareness, knowledge, beliefs, and opinions regarding CCS of the dutch general public before and after information. Energy Procedia, 4, 6292-6299. <https://doi.org/10.1016/j.egypro.2011.02.644>

Davis, J. A., Salehi, N., Li, L., & Shafiee-Jood, M. (2025). Carbon dioxide pipelines are disproportionally located in marginalized communities in the united states. Communications Earth & Environment, 6(1), 339- 11. https://doi.org/10.1038/s43247-025-02295-0

de Medeiros Costa, H. K., Seabra, P. N., Arlota, C., & dos Santos, E. M. (2021). Sustainable development and its link to Carbon Capture and Storage (CCS) technology: toward an equitable energy transition. In *Carbon Capture and Storage in International Energy Policy and Law* (pp. 357-370). Elsevier.

Donnison, C. L., Trdlicova, K., Mohr, A., & Taylor, G. (2023). A net-zero storyline for success? news media analysis of the social legitimacy of bioenergy with carbon capture and storage in the united kingdom. Energy Research & Social Science, 102, 103153. <https://doi.org/10.1016/j.erss.2023.103153>

Dütschke, E., Wohlfarth, K., Höller, S., Viebahn, P., Schumann, D., & Pietzner, K. (2016). Differences in the public perception of CCS in germany depending on CO2 source, transport option and storage location. International Journal of Greenhouse Gas Control, 53, 149-159. <https://doi.org/10.1016/j.ijggc.2016.07.043>

Duan, H. (2010). The public perspective of carbon capture and storage for CO2 emission reductions in china. Energy Policy, 38(9), 5281-5289. <https://doi.org/10.1016/j.enpol.2010.05.040>

Dwyer, G. (2014). Emerging Legislative Regimes for Regulating Carbon Capture and Storage Activities in Australia: To What Extent Do They Facilitate Access to Procedural Justice?.

Engelmann, L., Haverkämper, I., Wilkowska, W., & Ziefle, M. (2025). Perceived benefits and barriers of direct air carbon capture and storage: Applying a holistic perspective among german citizens using structural equation modeling. Energy Research & Social Science, 127, 104270. https://doi.org/10.1016/j.erss.2025.104270

Fikru, M. G., & Nguyen, N. (2024). Factors shaping public support for more carbon capture and storage projects in the united states. Environmental Management (New York), 74(3), 425-438. <https://doi.org/10.1007/s00267-024-02000-5>

Fischedick, M., Pietzner, K., Supersberger, N., Esken, A., Kuckshinrichs, W., Zapp, P., Linßen, J., Schumann, D., Radgen, P., Cremer, C., Gruber, E., Schnepf, N., Roser, A., & Idrissova, F. (2009). Stakeholder acceptance of carbon capture and storage in germany. Energy Procedia, 1(1), 4783-4787. <https://doi.org/10.1016/j.egypro.2009.02.304>

Fürst, K., & Strunge, T. (2024). Perception of carbon capture and utilization - a framing analysis of germanspeaking media. Frontiers in Energy Research, 12<https://doi.org/10.3389/fenrg.2024.1424865>

Fuhrman, J., McJeon, H., Patel, P., Doney, S. C., Shobe, W. M., Clarens, A. F., & Pacific Northwest National Laboratory (PNNL), Richland, WA (United States). (2020). Food–energy–water implications of negative emissions technologies in a +1.5 °C future. Nature Climate Change, 10(10), 920-927. <https://doi.org/10.1038/s41558-020-0876-z>

Gidden, M. J., Brutschin, E., Ganti, G., Unlu, G., Zakeri, B., Fricko, O., Mitterrutzner, B., Lovat, F., & Riahi, K. (2023). Fairness and feasibility in deep mitigation pathways with novel carbon dioxide removal considering institutional capacity to mitigate. Environmental Research Letters, 18(7), 74006. <https://doi.org/10.1088/1748-9326/acd8d5>

Glanz, S., & Schönauer, A. (2021). Towards a low-carbon society via hydrogen and carbon capture and storage: Social acceptance from a stakeholder perspective. Journal of Sustainable Development of Energy, Water and Environment Systems, 9(1), 9-0. <https://doi.org/10.13044/j.sdewes.d8.0322>

Gough, C., Cunningham, R., & Mander, S. (2018). Understanding key elements in establishing a social license for CCS: An empirical approach. International Journal of Greenhouse Gas Control, 68, 16-25. <https://doi.org/10.1016/j.ijggc.2017.11.003>

Gough, C., & Boucher, P. (2013). Ethical attitudes to underground CO2 storage: Points of convergence and potential faultlines. International Journal of Greenhouse Gas Control, 13, 156-167. <https://doi.org/10.1016/j.ijggc.2012.12.005>

Gough, C., Taylor, I., & Shackley, S. (2002). burying carbon under the sea: An initial exploration of public opinions. Energy & Environment (Essex, England), 13(6), 883-900. <https://doi.org/10.1260/095830502762231331>

Görsch, R., Perlaviciute, G., & Steg, L. (2025). A systematic review of public acceptability and perceived impacts of eleven energy sources and mitigation technologies. Global Environmental Change, 93, 103014. https://doi.org/10.1016/j.gloenvcha.2025.103014

Gren, I., Tirkaso, W., & Sveriges lantbruksuniversitet. (2021). Costs and equity of uncertain greenhouse gas reductions – fuel, food and negative emissions in sweden. Energy Economics, 104, 105638. <https://doi.org/10.1016/j.eneco.2021.105638>

Große-Kreul, F., Altstadt, L., Reichmann, A., Weber, N., & Witte, K. (2024). Understanding public acceptance amidst controversy and ignorance: The case of industrial carbon capture and storage in germany. Energy Research & Social Science, 118, 103838. <https://doi.org/10.1016/j.erss.2024.103838>

Guo, Y., Ashworth, P., Sun, Y., Yang, B., Yang, J., & Chen, J. (2019). The influence of narrative versus statistical evidence on public perception towards CCS in china: Survey results from local residents in shandong and henan provinces. International Journal of Greenhouse Gas Control, 84, 54-61. <https://doi.org/10.1016/j.ijggc.2019.02.021>

Haug, J. K., & Stigson, P. (2016). Local acceptance and communication as crucial elements for realizing CCS in the nordic region. Energy Procedia, 86, 315-323. <https://doi.org/10.1016/j.egypro.2016.01.032>

Ha-Duong, M., Nadaï, A., & Campos, A. S. (2009). A survey on the public perception of CCS in france. International Journal of Greenhouse Gas Control, 3(5), 633-640. <https://doi.org/10.1016/j.ijggc.2009.05.003>

Hajian, C. S. S., & Sedighi, M. (2022). A Critical survey of Bioenergy with Carbon capture and Storage (BECCS). In M. Kolahi, H. Ghaebi, M. Ebadollahi, M. Amidpour & F. Jabari (Eds.), Synergy development in renewables assisted multi-carrier systems (pp. 255-278). Springer International Publishing AG. <https://doi.org/10.1007/978-3-030-90720-4_10>

Honegger, M., Baatz, C., Eberenz, S., Holland-Cunz, A., Michaelowa, A., Pokorny, B., ... & Winkler, M. (2022). The ABC of governance principles for carbon dioxide removal policy. *Frontiers in Climate*, *4*, 884163.

Hurlbert, M., & Osazuwa-Peters, M. (2023). Carbon capture and storage in saskatchewan: An analysis of communicative practices in a contested technology. Renewable & Sustainable Energy Reviews, 173, 113104. <https://doi.org/10.1016/j.rser.2022.113104>

Huijts, N. M. A., Midden, C. J. H., & Meijnders, A. L. (2007). Social acceptance of carbon dioxide storage. Energy Policy, 35(5), 2780-2789. <https://doi.org/10.1016/j.enpol.2006.12.007>

Itaoka, K., Okuda, Y., Saito, A., & Akai, M. (2009). Influential information and factors for social acceptance of CCS: The 2nd round survey of public opinion in japan. Energy Procedia, 1(1), 4803-4810. <https://doi.org/10.1016/j.egypro.2009.02.307>

Karimi, F. (2021). Stakeholders’ risk perceptions of decarbonised energy system: Insights into patterns of behaviour. Energies (Basel), 14(21), 7205. <https://doi.org/10.3390/en14217205>

Karytsas, S., Polyzou, O., Oikonomou, T. I., & Karytsas, C. (2023). A transnational study on the determinants of social acceptance of carbon capture, transport, and storage (CCS). IOP Conference Series. Earth and Environmental Science, 1196(1), 12092. https://doi.org/10.1088/1755- 1315/1196/1/012092.

Karki, L., Lieu, J., Xylia, M., Laub, M., Ismangil, D., Virla, L., Rahn, E., Bilbao, B. A., Indriani, S. N., Martin Gallego, P., Suleiman, A. K. A., Schaldch, R., Takama, T., Marques da Silva, José Rafael, & Johnson, F. X. (2023). Potentials and barriers to land-based mitigation technologies and practices (LMTs)—a review. Environmental Research Letters, 18(9), 93003. <https://doi.org/10.1088/1748-9326/ace91f>

Karimi, F., & Toikka, A. (2018). General public reactions to carbon capture and storage: Does culture matter? International Journal of Greenhouse Gas Control, 70, 193-201. <https://doi.org/10.1016/j.ijggc.2018.01.012>

Karimi, F., & Toikka, A. (2014). The relation between cultural structures and risk perception: How does social acceptance of carbon capture and storage emerge? Energy Procedia, 63, 7087-7095. <https://doi.org/10.1016/j.egypro.2014.11.743>

Karimi, F., Marzban, E., & Dahlberg, U. (2025). Navigating the future of carbon capture and storage technology: The interplay of social acceptability and political development. Journal of Integrative Environmental Sciences, 22(1)https://doi.org/10.1080/1943815X.2025.2529796

Keeley, A. R., Koo, K., Chapman, A., & Managi, S. (2025). Psychological and socio-economic drivers of public acceptance for direct air capture and utilization technology. Journal of Cleaner Production, 519, 145962. https://doi.org/10.1016/j.jclepro.2025.145962

Kojo, M., & Innola, E. (2017). Carbon capture and storage in the finnish print media. Risk, Hazards & Crisis in Public Policy, 8(2), 113-146. <https://doi.org/10.1002/rhc3.12111>

Krause, R. M., Carley, S. R., Warren, D. C., Rupp, J. A., & Graham, J. D. (2014). "not in (or under) my backyard": Geographic proximity and public acceptance of carbon capture and storage facilities. Risk Analysis, 34(3), 529-540. <https://doi.org/10.1111/risa.12119>

Kraeusel, J., & Möst, D. (2012). Carbon capture and storage on its way to large-scale deployment: Social acceptance and willingness to pay in germany. Energy Policy, 49(1), 642-651. <https://doi.org/10.1016/j.enpol.2012.07.006>

Kubota, H., & Shimota, A. (2017). How should information about CCS be shared with the japanese public? Energy Procedia, 114, 7205-7211. <https://doi.org/10.1016/j.egypro.2017.03.1827>

Kuckshinrichs, W., Hake, J., Springer Nature - Springer Earth and Environmental Science eBooks 2015 English International, & SpringerLink (Online service). (2015;2014;). In Kuckshinrichs W., Hake J.(Eds.), Carbon capture, storage and use: Technical, economic, environmental and societal perspectives (1;2015;2015.; ed.). Springer International Publishing. <https://doi.org/10.1007/978-3-319-11943-4>

Ladenburg, J., Kim, J., Zuch, M., & Soytas, U. (2024). Taking the carbon capture and storage, wind power, PV or other renewable technology path to fight climate change? exploring the acceptance of climate change mitigation technologies – A danish national representative study. Renewable Energy, 220, 119582. <https://doi.org/10.1016/j.renene.2023.119582>

Lam, Y., Ventrella, J., Baptista, A. I., & Rodriguez, J. D. (2025). Analysis of proposed carbon capture projects in the US power sector and co-location with environmental justice communities. PloS One, 20(5), e0323817. https://doi.org/10.1371/journal.pone.0323817

Leiss, W., & Larkin, P. (2019). Risk communication and public engagement in CCS projects: The foundations of public acceptability. *International Journal of Risk Assessment and Management*, *22*(3-4), 384-403.

Lima, P. R., Pereira, A. A. M., Chaves, Gisele de Lorena Diniz, & Meneguelo, A. P. (2021). Environmental awareness and public perception on carbon capture and storage (CCS) in brazil. International Journal of Greenhouse Gas Control, 111, 103467. <https://doi.org/10.1016/j.ijggc.2021.103467>

Linzenich, A., Arning, K., Offermann-van Heek, J., & Ziefle, M. (2019). Uncovering attitudes towards carbon capture storage and utilization technologies in germany: Insights into affective-cognitive evaluations of benefits and risks. Energy Research & Social Science, 48, 205-218. <https://doi.org/10.1016/j.erss.2018.09.017>

Low, S., Fritz, L., Baum, C. M., & Sovacool, B. K. (2024). Public perceptions on carbon removal from focus groups in 22 countries. Nature Communications, 15(1), 3453-3453. https://doi.org/10.1038/s41467-024- 47853-w.

L׳Orange Seigo, S., Dohle, S., & Siegrist, M. (2014). Public perception of carbon capture and storage (CCS): A review. Renewable & Sustainable Energy Reviews, 38, 848-863. <https://doi.org/10.1016/j.rser.2014.07.017>

Lupion, M., Pérez, A., Torrecilla, F., & Merino, B. (2013). Lessons learned from the public perception and engagement strategy-experiences in CIUDEN's CCS facilities in spain. Energy Procedia, 37, 7369-7379. <https://doi.org/10.1016/j.egypro.2013.06.678>

Mascarenhas, K. L., Baccari, G., & Weber, N. (2025). Social perception and acceptance of CCS and CCU technologies: A comparison through a socio-technical approach. In A. J. Fossa, E. G. Pereira & T. L. Muinzer (Eds.), Carbon capture utilization and storage (pp. 183-204). Palgrave Macmillan. https://doi.org/10.1007/978-3-031-81272-9\_7

McElwee, P. (2023). Advocating afforestation, betting on BECCS: Land-based negative emissions technologies (NETs) and agrarian livelihoods in the global south. The Journal of Peasant Studies, 50(1), 185-214. <https://doi.org/10.1080/03066150.2022.2117032>

McLaren, D. P. (2012). procedural justice in carbon capture and storage. Energy & Environment (Essex, England), 23(2/3), 345-365. <https://doi.org/10.1260/0958-305X.23.2-3.345>

McLaren, D., Krieger, K., & Bickerstaff, K. (2013). Justice in energy system transitions: the case of carbon capture and storage. *Energy Justice in a Changing Climate: Social Equity and Low-Carbon Energy, eds K. Bickerstaff, G. Walker, and H. Bulkeley (London: Zed Books Ltd.)*, 158-181.

Medvecky, F., Lacey, J., & Ashworth, P. (2014). Examining the role of carbon capture and storage through an ethical lens. Science and Engineering Ethics, 20(4), 1111-1128. https://doi.org/10.1007/s11948-013- 9474-z.

Merk, C., Nordø, Å. D., Andersen, G., Lægreid, O. M., & Tvinnereim, E. (2022). Don't send us your waste gases: Public attitudes toward international carbon dioxide transportation and storage in europe. Energy Research & Social Science, 87, 102450. <https://doi.org/10.1016/j.erss.2021.102450>

Merk, C., Klaus, G., Pohlers, J., Ernst, A., Ott, K., & Rehdanz, K. (2019). Public perceptions of climate engineering: Laypersons' acceptance at different levels of knowledge and intensities of deliberation. Gaia (Heidelberg, Germany), 28(4), 348-355. <https://doi.org/10.14512/gaia.28.4.6>

Mintz-Woo, K. (2023). The NET effect: Negative emissions technologies and the need–efficiency trade-off. Global Sustainability, 6<https://doi.org/10.1017/sus.2023.3>

Mintz-Woo, K., & Lane, J. (2021). Why and where to fund carbon capture and storage. Science and Engineering Ethics, 27(6), 70-70. <https://doi.org/10.1007/s11948-021-00344-3>

Morrow, D. R. (2021). Is there a role for carbon capture and storage in a just transition?. *One Earth*, *4*(11), 1546-1547.

Mors, E. t., & Groeneweg, J. (2016). The potential of local community compensation for hosting facilities. Paper presented at the <https://doi.org/10.2118/179228-MS>

Mulyasari, F., Nur Ahadi, M., Harahap, A. K., Lestari, P., Ahmad, P., Sungkowo, A., ... & Kadir, W. G. A. (2018). Preliminary Public Engagement Plan and Typology of Communication Dynamics Forccs Gundih Pilot Project in Indonesia.

Nawaz, S., & Satterfield, T. (2024). Towards just, responsible, and socially viable carbon removal: Lessons from offshore DACCS research for early-stage carbon removal projects. Environmental Science & Policy, 151, 103633. <https://doi.org/10.1016/j.envsci.2023.103633>

Nawaz, S., Peterson St-Laurent, G., & Satterfield, T. (2023). Public evaluations of four approaches to ocean-based carbon dioxide removal. Climate Policy, 23(3), 379-394. <https://doi.org/10.1080/14693062.2023.2179589>

Netto, A. L. A., Câmara, G., Rocha, E., Silva, A. L., Andrade, J. C. S., Peyerl, D., & Rocha, P. (2020). A first look at social factors driving CCS perception in brazil: A case study in the recôncavo basin. International Journal of Greenhouse Gas Control, 98, 103053. <https://doi.org/10.1016/j.ijggc.2020.103053>

Nerlich, B., & Jaspal, R. (2013). UK media representations of carbon capture and storage: Actors, frames and metaphors. Metaphor and the Social World, 3(1), 35-53. <https://doi.org/10.1075/msw.3.1.02ner>

Oh, C. (2024). Contestation in social acceptance of direct air capture (DAC) technologies in korea by differing framings over governance principles. Journal of Open Innovation, 10(4), 100403. <https://doi.org/10.1016/j.joitmc.2024.100403>

Oltra, C., Upham, P., Riesch, H., Boso, A., Brunsting, S., Duetschke, E., & Lis, A. (2012). Public responses to CO sub(2) storage sites: Lessons from five european cases. Energy & Environment (Essex, England), 23(2), 227-248. <https://doi.org/10.1260/0958-305X.23.2-3.227>

Oltra, C., Sala, R., Solà, R., Di Masso, M., & Rowe, G. (2010). Lay perceptions of carbon capture and storage technology. International Journal of Greenhouse Gas Control, 4(4), 698-706. <https://doi.org/10.1016/j.ijggc.2010.02.001>

Owen, A., Burke, J., & Serin, E. (2022). Who pays for BECCS and DACCS in the UK: Designing equitable climate policy. Climate Policy, 22(8), 1050-1068. <https://doi.org/10.1080/14693062.2022.2104793>

Pianta, S., Rinscheid, A., & Weber, E. U. (2021). Carbon capture and storage in the united states: Perceptions, preferences, and lessons for policy. Energy Policy, 151, 112149. <https://doi.org/10.1016/j.enpol.2021.112149>

Pietzner, K., Schwarz, A., Duetschke, E., & Schumann, D. (2014). Media coverage of four carbon capture and storage (CCS) projects in germany: Analysis of 1,115 regional newspaper articles. Energy Procedia, 63, 7141-7148. <https://doi.org/10.1016/j.egypro.2014.11.750>

Pokharel, P. (2025). Prospects of environmental justice assessment in carbon capture and storage project in wyoming. The International Journal of Interdisciplinary Social and Community Studies (Print), 21(1), 49-80. https://doi.org/10.18848/2324-7576/CGP/v21i01/49-80

Popp, A., Dietrich, J. P., Lotze-Campen, H., Klein, D., Bauer, N., Krause, M., Beringer, T., Gerten, D., & Edenhofer, O. (2011). The economic potential of bioenergy for climate change mitigation with special attention given to implications for the land system. Environmental Research Letters, 6(3), 034017-9. <https://doi.org/10.1088/1748-9326/6/3/034017>

Portugal-Pereira, J., Soterroni, A. C., Mazzone, A., & Tristan, J. (2025). Assessing potential implications of the EU's carbon dioxide removal strategy on brazil's land ecosystems and local communities. Environmental Science & Policy, 171, 104154. https://doi.org/10.1016/j.envsci.2025.104154

Rowland, J., López‐Asensio, S., Bagci, A., Delicado, A., & Prades, A. (2024). Shaping information and knowledge on climate change technologies: A cross‐country qualitative analysis of carbon capture and storage results on google search. Journal of the American Society for Information Science and Technology, 75(5), 625-639. <https://doi.org/10.1002/asi.24828>

Roberts, T., & Mander, S. (2011). Assessing public perceptions of CCS: Benefits, challenges and methods. Energy Procedia, 4, 6307-6314. <https://doi.org/10.1016/j.egypro.2011.02.646>

Satterfield, T., Nawaz, S., & St-Laurent, G. P. (2023). Exploring public acceptability of direct air carbon capture with storage: Climate urgency, moral hazards and perceptions of the ‘whole versus the parts’. Climatic Change, 176(2), 14. <https://doi.org/10.1007/s10584-023-03483-7>

Setiawan, A. D., & Cuppen, E. (2013). Stakeholder perspectives on carbon capture and storage in indonesia. Energy Policy, 61, 1188-1199. <https://doi.org/10.1016/j.enpol.2013.06.057>

Schooley, C., Romeo, L., Pfander, I., Sharma, M., Justman, D., Bauer, J., & Rose, K. (2024). A curated data resource to support safe carbon dioxide transport-route planning. Data in Brief, 52(C), 109984- 109984. <https://doi.org/10.1016/j.dib.2023.109984>

Schomakers, E., Engelmann, L., & Ziefle, M. (2025). Public preferences for local carbon capture and utilization implementation: A french-german comparison. Energy Policy, 206, 114781. https://doi.org/10.1016/j.enpol.2025.114781

Scott-Buechler, C., Cain, B., Osman, K., Ardoin, N. M., Fraser, C., Adcox, G., Polk, E., & Jackson, R. B. (2024). Communities conditionally support deployment of direct air capture for carbon dioxide removal in the united states. Communications Earth & Environment, 5(1), 175-13. [https://doi.org/10.1038/s43247-024- 01334-6](https://doi.org/10.1038/s43247-024-%2001334-6)

Scott-Buechler, C., & Wang, K. H. (2025). Navigating uncertainty: Direct air capture and just transition perspectives in gulf coast communities. Environmental Research Letters, 20(9), 94042. https://doi.org/10.1088/1748-9326/adf5d7

Sharp, J. D., Jaccard, M. K., & Keith, D. W. (2009). Anticipating public attitudes toward underground CO2 storage. International Journal of Greenhouse Gas Control, 3(5), 641-651. <https://doi.org/10.1016/j.ijggc.2009.04.001>

Sovacool, B. K., Baum, C. M., & Fritz, L. (2024). Minority groups, indigenousness and indigeneity, and place in social perceptions of future climate interventions. World Development, 183, 106719. <https://doi.org/10.1016/j.worlddev.2024.106719>

Sovacool, B. K., Baum, C. M., & Low, S. (2023). Reviewing the sociotechnical dynamics of carbon removal. *Joule*, *7*(1), 57-82.

Su, X., Liu, P., Mei, Y., & Qiu, J. (2024). The impact of carbon capture, utilization, and storage (CCUS) projects on environmental protection, economic development, and social equity. Journal of Cleaner Production, 482, 144218. <https://doi.org/10.1016/j.jclepro.2024.144218>

Stigson, P., Haikola, S., Hansson, A., & Buhr, K. (2016). Prospects for swedish acceptance of carbon dioxide storage in the baltic sea: Learning from other energy projects: On the map: Prospects for swedish acceptance of carbon dioxide storage in the baltic sea. Greenhouse Gases: Science and Technology, 6(2), 188-196. <https://doi.org/10.1002/ghg.1585>

Stephens, J. C., Bielicki, J., & Rand, G. M. (2009). Learning about carbon capture and storage: Changing stakeholder perceptions with expert information. Energy Procedia, 1(1), 4655-4663. <https://doi.org/10.1016/j.egypro.2009.02.288>

Tcvetkov, P., Cherepovitsyn, A., & Fedoseev, S. (2019). Public perception of carbon capture and storage: A state-of-the-art overview. Heliyon, 5(12), e02845-e02845. <https://doi.org/10.1016/j.heliyon.2019.e02845>

Terwel, B. W., ter Mors, E., & Daamen, D. D. L. (2012). It's not only about safety: Beliefs and attitudes of 811 local residents regarding a CCS project in barendrecht. International Journal of Greenhouse Gas Control, 9, 41-51. <https://doi.org/10.1016/j.ijggc.2012.02.017>

ter Mors, E., Terwel, B. W., & Zaal, M. P. (2014). Can monetary compensation ease the siting of CCS projects? Energy Procedia, 63, 7113-7115. <https://doi.org/10.1016/j.egypro.2014.11.745>

ter Mors, E., Terwel, B. W., & Daamen, D. D. L. (2012). The potential of host community compensation in facility siting. International Journal of Greenhouse Gas Control, 11, 130-138. <https://doi.org/10.1016/j.ijggc.2012.07.002>

Thomas, G., Pidgeon, N., & Roberts, E. (2018). Ambivalence, naturalness and normality in public perceptions of carbon capture and storage in biomass, fossil energy, and industrial applications in the united kingdom. Energy Research & Social Science, 46, 1-9. <https://doi.org/10.1016/j.erss.2018.06.007>

Tolstrup, S., Ladenburg, J., & Lex, S. (2025). A qualitative analysis of key stakeholders' perception of CCS and its value chain in a danish north sea storage context – through a socio-economic lens. International Journal of Greenhouse Gas Control, 144, 104363. https://doi.org/10.1016/j.ijggc.2025.104363

Ugarte-Lucas, P., & Jacobsen, J. B. (2024). Public perception of bioenergy with carbon capture and storage in denmark: Support or reluctant acceptance? International Journal of Greenhouse Gas Control, 136, 104187. <https://doi.org/10.1016/j.ijggc.2024.104187>

Upham, P. J., & Ibrahimović, E. (2024). Media frame development of direct air capture 2011–2023: A comparative analysis of europe and north america. Iscience, 27(12), 111360. <https://doi.org/10.1016/j.isci.2024.111360>

Upham, P., & Roberts, T. (2011). Public perceptions of CCS: Emergent themes in pan-european focus groups and implications for communications. International Journal of Greenhouse Gas Control, 5(5), 1359- 1367. <https://doi.org/10.1016/j.ijggc.2011.06.005>

Vasilev, Y., Vasileva, P., & Tsvetkova, A. (2020). the study of spreading information on carbon capture, utilization and storage technologies in the social media. Paper presented at the , 20(5.1) 833-839. <https://doi.org/10.5593/sgem2020/5.1/s20.105>

Vasilev, Y., Vasileva, P., & Tsvetkova, A. (2019). international review of public perception of ccs technologies. Paper presented at the , 19(5.1) 415-422. <https://doi.org/10.5593/sgem2019/5.1/S20.052>

van Heek, J., Arning, K., & Ziefle, M. (2017). Differences between laypersons and experts in perceptions and acceptance of CO2-utilization for plastics production. Energy Procedia, 114, 7212-7223. <https://doi.org/10.1016/j.egypro.2017.03.1829>

Vercelli, S., Anderlucci, J., Memoli, R., Battisti, N., Mabon, L., & Lombardi, S. (2013). Informing people about CCS: A review of social research studies. Energy Procedia, 37, 7464-7473. https://doi.org/10.1016/j.egypro.2013.06.690 .

Wædegaard, M., Hvemon, S., & Pedersen, M. J. (2024). Can media influence public support for carbon capture and storage? comparing the impacts of frames in denmark. Energy Research & Social Science, 110, 103452. <https://doi.org/10.1016/j.erss.2024.103452>

Wang, M., Wang, S., Sun, Y., & Li, Y. (2019). Improving public acceptance of carbon capture and storage(CCS) in china. IOP Conference Series. Earth and Environmental Science, 371(3), 32071. <https://doi.org/10.1088/1755-1315/371/3/032071>

Wallquist, L., Seigo, S. L., Visschers, V. H. M., & Siegrist, M. (2012). Public acceptance of CCS system elements: A conjoint measurement. International Journal of Greenhouse Gas Control, 6, 77-83. <https://doi.org/10.1016/j.ijggc.2011.11.008>

Warren, D. C., Carley, S. R., Krause, R. M., Rupp, J. A., & Graham, J. D. (2014). Predictors of attitudes toward carbon capture and storage using data on world views and CCS-specific attitudes. Science & Public Policy, 41(6), 821-834. <https://doi.org/10.1093/scipol/scu016>

Waring, T., & Longo, A. (2025). Implementing carbon capture and storage in the united kingdom: Estimating willingness to pay through a contingent valuation survey. Environmental Management (New York), 75(6), 1432-1443. https://doi.org/10.1007/s00267-025-02174-6

Waxman, A. R., Huber-Rodriguez, H. R., & Olmstead, S. M. (2024). What are the likely air pollution impacts of carbon capture and storage? Journal of the Association of Environmental and Resource Economists, 11(S1), S111-S155. <https://doi.org/10.1086/732195>

Whitmarsh, L., Xenias, D., & Jones, C. R. (2019). Framing effects on public support for carbon capture and storage. Humanities & Social Sciences Communications, 5(1), 17. https://doi.org/10.1057/s41599-019- 0217-x.

Wilberforce, T., Olabi, A. G., Sayed, E. T., Elsaid, K., & Abdelkareem, M. A. (2021). Progress in carbon capture technologies. *Science of The Total Environment*, *761*, 143203.

Witte, K. (2021). Social acceptance of carbon capture and storage (CCS) from industrial applications. Sustainability, 13(21), 12278. <https://doi.org/10.3390/su132112278>

Williams, R., Jack, C., Gamboa, D., & Shackley, S. (2021). Decarbonising steel production using CO2 capture and storage (CCS): Results of focus group discussions in a welsh steel-making community. International Journal of Greenhouse Gas Control, 104, 103218. <https://doi.org/10.1016/j.ijggc.2020.103218>

Wolff, J., & Herzog, H. (2014). What lessons can hydraulic fracturing teach CCS about social acceptance? Energy Procedia, 63, 7024-7042. <https://doi.org/10.1016/j.egypro.2014.11.736>

Xie, J. J., Patrizio, P., & Dowell, N. M. (2022). Modeling the socio-economic impacts of carbon capture and storage deployment: Current practices and pathways forward. In H. Suleman, P. L. Fosbøl, R. Nasir & M. Ameen (Eds.), Sustainable carbon capture (1st ed., pp. 323-339). CRC Press. <https://doi.org/10.1201/9781003162780-12>

Xie, J., Xian, Y., & Jia, G. (2023). An investigation into the public acceptance in china of carbon capture and storage (CCS) technology. Mitigation and Adaptation Strategies for Global Change, 28(5), 27-27. <https://doi.org/10.1007/s11027-023-10065-6>

Yang, L., Zhang, X., & McAlinden, K. J. (2016). The effect of trust on people's acceptance of CCS (carbon capture and storage) technologies: Evidence from a survey in the people's republic of china. Energy (Oxford), 96, 69-79. <https://doi.org/10.1016/j.energy.2015.12.044>

Zuch, M., & Ladenburg, J. (2023). Navigating the information pathway to carbon capture and storage acceptance: Patterns and insights from a literature review. Energy Research & Social Science, 105, 103283. <https://doi.org/10.1016/j.erss.2023.103283>