

## Nachhaltigkeitskrise

- Brutland report: "[Report of the World Commission on Environment and Development: Our Common Future](#)" (PDF). United Nations.
- Erdüberlastungstag: <https://data.footprintnetwork.org/#/>
- Steffen, W., Broadgate, W., Deutsch, L., Gaffney, O., & Ludwig, C. (2015). *The trajectory of the Anthropocene: The Great Acceleration*. *The Anthropocene Review*, 2(1), 81–98. <https://doi.org/10.1177/2053019614564785>
- Katherine Richardson *et al.*, Earth beyond six of nine planetary boundaries. *Sci. Adv.* 9,eadh2458 (2023).DOI:[10.1126/sciadv.adh2458](https://doi.org/10.1126/sciadv.adh2458)
- SDGs: <https://sdgs.un.org/goals>
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## Labore & Energie

- Hafer, M. Quantity and electricity consumption of plug load equipment on a university campus. *Energy Efficiency* 10, 1013–1039 (2017). <https://doi.org/10.1007/s12053-016-9503-2>
- Market Assessment of Energy Efficiency Opportunities in Laboratories (Gebäudevergleich & Energieverbraucher im Labor ) [http://www.etcc-ca.com/sites/default/files/reports/ceel\\_market\\_assessment\\_et14pge7591.pdf](http://www.etcc-ca.com/sites/default/files/reports/ceel_market_assessment_et14pge7591.pdf)
- Shut the sash (UCLA & UCB): [https://wcec.ucdavis.edu/wp-content/uploads/2014/06/Case-Study-SASH\\_Final.pdf](https://wcec.ucdavis.edu/wp-content/uploads/2014/06/Case-Study-SASH_Final.pdf)
- Vergleich Ultratiefkühler: -80 °C vs. -70 °C: <https://www.mygreenlab.org/-70-is-the-new--80.html>
- Dampfsterilisator (Autoklav): [BMU-UMWELTINNOVATIONSPROGRAMM, Abschlussbericht zum Vorhaben: „Einführung eines wasser- und energieeffizienten Dampfsterilisators“, Vorhaben-Nr.: 20203, UBA-Az.: 70441-1/17](#)
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## Abfall

- Plastikabfall: [Can laboratories curb their addiction to plastic? - The Guardian](#)
- [Zero Waste Boxes von Terracycle](#)
- Kimtech™ Einmalhandschuh-Recyclingprogramm: <https://www.terracycle.com/de-DE/brigades/handschuhe-deutschland>
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## Chemie

- ❑ [Green Chemistry: Anastas, P. T.; Warner, J. C. \*Green Chemistry: Theory and Practice\*, Oxford University Press: New York, 1998, p.30.](#)
- ❑ [Mechanochemistry: \*Synthesis without solvent: consequences for mechanochemical reactivity\*, \*Chem. Commun.\*, 2023, 59, 14210.](#)
- ❑ [Element Scarcity – EuChemS Periodic Table: <https://www.euchems.eu/euchems-periodic-table/>](#)
- ❑ [Circular Chemistry: <https://www.nature.com/articles/s41557-019-0226-9>](#)
- ❑ [Benign by design: Wołos, A., Koszelewski, D., Roszak, R. et al. Computer-designed repurposing of chemical wastes into drugs. \*Nature\* 604, 668–676 \(2022\). <https://doi.org/10.1038/s41586-022-04503-9>](#)
- ❑ [Sustainable Chemistry: \*Definition and Criteria for Sustainable Chemistry \(2023\)\*, Created by the Expert Committee on Sustainable Chemistry \(ECOSChem\).](#)
- ❑ [Einmalhandschuhe Produktion: <https://taz.de/Aus-Le-Monde-diplomatique/!5751560/>](#)
- ❑ [Putting benign by design into practice-novel concepts for green and sustainable pharmacy: Designing green drug derivatives by non-targeted synthesis and screening for biodegradability: \*Sustainable Chemistry and Pharmacy, Volume 2, 2015, Pages 31-36\*, <https://doi.org/10.1016/j.scp.2015.07.001>.](#)
- ❑ [Biodegradability of antineoplastic compounds in screening tests: influence of glucosidation and of stereochemistry, \*Chemosphere\*, Volume 40, Issue 7, 2000, 767-773, \[https://doi.org/10.1016/S0045-6535\\(99\\)00451-8\]\(https://doi.org/10.1016/S0045-6535\(99\)00451-8\)](#)
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## Laborzertifikate & weitere Anlaufstellen & Startpunkte

- ❑ [LEAF-Zertifikat: <https://www.ucl.ac.uk/sustainable/take-action/staff-action/leaf-laboratory-efficiency-assessment-framework>](#)
- ❑ <https://www.mygreenlab.org/>
- ❑ [Max Planck Sustainability Network: <https://www.nachhaltigkeitsnetzwerk.mpg.de/>](#)
- ❑ [Sustainable European Laboratories: <https://sels-network.org/>](#)
- ❑ <https://greenlabsaustria.at/>
- ❑ [iGEM goes green: \[https://2017.igem.org/Team:TU\\\_Dresden/iGEM-goes-green\]\(https://2017.igem.org/Team:TU\_Dresden/iGEM-goes-green\)](#)
- ❑ [The Caring Scientist – Mission Sustainable \(Podcast\): <https://podcasters.spotify.com/pod/show/caring-scientist>](#)
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