

Global Warming Potential (GWP)

Übersichtstabelle zu den Global Warming Potential (GWP)-Daten aus den IPCC-Sachstandsberichten (engl. Assessment Reports, AR) AR5 und AR6 mit 20-Jahres- und 100-Jahres-Zeithorizont (GWP₂₀, GWP₁₀₀) für ausgewählte Treibhausgase.

Bezeichnung	Chemische Formel	GWP ₂₀		GWP ₁₀₀	
		AR5*	AR6**	AR5*	AR6**
Kohlendioxid	CO ₂	1	1	1	1
Methan (fossil)	CH ₄	85	82,5 ± 25,8	30	29,8 ± 11
Methan (nicht-fossil)	CH ₄	84	79,7 ± 25,8	28	27,0 ± 11
Distickstoffmonoxid	N ₂ O	264	273 ± 118	265	273 ± 130
Schwefelhexafluorid	SF ₆	17.500	18.300***	23.500	25.184***
Stickstofftrifluorid	NF ₃	12.800	13.400***	16.100	17.423***

* IPCC, 2013: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 1535 pp.

** IPCC, 2021: *Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* [Masson-Delmotte, V., P. Zhai, A. Pirani, S.L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M.I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J.B.R. Matthews, T.K. Maycock, T. Waterfield, O. Yelekçi, R. Yu, and B. Zhou (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, In press, doi:10.1017/9781009157896.

*** IPCC, 2022: *Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* [P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi:10.1017/9781009157926.