

Definition of Terms

^a **Sustainable Development Goals:** This denotes 17 sustainability goals that were determined by the United Nations for the protection of the environment, the ending of poverty and for the prosperity of all people. They are supposed to be implemented by 2030.¹

^b **CO₂-equivalents:** Carbon dioxide (CO₂) is one of the anthropogenic greenhouse gases. It contributes for the most part to global warming. However, CO₂ isn't the only greenhouse gas, also methane and nitrous oxide heat the climate up even further. For a better comparison of climate effect, each greenhouse gas can be converted into CO₂-equivalents. This presents the amount of CO₂ that cause the same warming effect as the corresponding greenhouse gas.²

^c **CO₂-mass:** The mass of carbon dioxide is barely feasible. Greenhouse gases are not visible, but they increasingly warm up the air. There is an assumed doubling of the CO₂ quantity from 1.5 to 4.5 degrees Celsius.³

^d **Sulfur dioxide:** This is a water-soluble gas that is mainly generated in the combustion processes of fossil energy sources. It has a considerable impact and also on ecosystems.⁴

^e **Fuel mix:** In fuel mix, the portions of energy sources that serve power generation are considered. Here nuclear energy is especially important.⁵

^f **Greenhouse gas emissions:** The most important gas is carbon dioxide. It is released through burning of fossil energy sources as well as deforestation. Others are methane with a portion of 16%, ground-level ozone (12%), FCKW (11%), nitrous oxide (0, 5%) and more gases.⁶

¹ Die Vereinten Nationen. Nachhaltigkeitsziele, in: www.un.org/sustainabledevelopment [Stand 09.10.2019].

² Klimaretter.info – Das magazine zur Klima- und Energiewende. „Klimaretter-Lexikon: Kohlendioxidäquivalent“, In: <http://www.klimaretter.info/tipps-klima-lexikon/10978-kohlendioxidäquivalent-co2-aequivalent> [Stand: 10.10.2019].

³ Bojanowski, A. 2015. „Wärmestrahlen beweisen verstärkten Treibhauseffekt“. Der Spiegel GmbH & Co. KG, Hamburg. In: <http://www.spiegel.de/wissenschaft/natur/treibhauseffekt-messungen-zeigen-klimawandel-durch-co2-a-1020528.html> [Stand: 10.10.2019].

⁴ Umweltbundesamt. 2018. „Schwefeldioxid“. In: <http://www.umweltbundesamt.de/themen/luft/luftschadstoffe/schwefeldioxid> [Stand: 10.10.2019].

⁵ Bayerisches Landesamt für Statistik. 2016. „Bayerische Stromerzeugung in Anlagen für die allgemeine Versorgung 2015 um 7,2 Prozent unter Vorjahresniveau“. In: <https://www.statistik.bayern.de/presse/mitteilungen/2016/pm103/index.html> [Stand 10.10.2019].

⁶ Klimaretter.info – Das magazine zur Klima- und Energiewende. „Klimaretter-Lexikon: Treibhausgase, anthropogene“. In: <http://www.klimaretter.info/tipps-klima-lexikon/1897-treibhausgase-anthropogene> [Stand: 10.10.2019].