

GLOSSARY

This glossary provides short explanations of some of the terms used in the text. However, the list is by no means exhaustive.

Agroecology describes a social movement, academic discipline and agricultural practice. They all share the notion of adapting agriculture to prevailing natural conditions, cycles and local needs. As an approach, agroecology combines traditional and local knowledge with modern scientific methods.

Biodiversity: biological diversity, diversity of species.

Biosphere: the earth's 'life zone', i.e. the totality of all organisms, living creatures and ecosystems on the planet. Often we consider terms such as 'nature' to be a realm entirely separated from humans, and words such as 'resources' implicitly view nature merely with regard to the benefits it provides to people. The term biosphere attempts to avoid these shortcomings.

Capitalism: under capitalism, the market principle largely defines the social fabric. The means of production are concentrated in the hands of a few, thus forcing the majority of people to work. Competition and profit orientation lead to an intensification of the global exploitation of people and nature.

Carbon Capture and Storage: the process of capturing and storing CO₂. The aim is to capture, liquefy and store underground the CO₂ from industrial processes—in spite of considerable risks and the fact that the technology still needs to be further developed.

Climate justice: a political concept that serves to highlight that the climate crisis does not affect all people equally. While the global upper and middle classes, in particular, contribute towards climate change, those who suffer its consequences most acutely tend to contribute the least to global warming.

CO₂: carbon dioxide.

Colonialism: the violent subjugation of foreign territories (in particular in the Americas, South and South East Asia as well as Africa) by European countries. The structures and relations of power that developed during this era persist until today (see also 'neocolonialism').

Commons: goods such as water, seed or software that are used by a community. It describes forms of property, organisation and production that are not based primarily on private or state ownership and competition, but on community ownership, co-operation and participation.

Data mining: the systematic statistical analysis of large amounts of data or 'big data'. The method aims to produce (economically exploitable) knowledge or predict future developments.

Ecological footprint: the space that would be required to maintain the lifestyle and living standard of one person (under the current conditions of production) for all of humanity permanently.

Externalisation: the process of outsourcing social and environmental impacts to other places, or leaving them for future generations to solve. For the imperial mode of living and production, this constitutes a fundamental process.

Food sovereignty: the right of all people to decide over the processes of food production, distribution and consumption. Key to this concept is the development of a socially just and sustainable form of agriculture.

Genetic engineering: the transfer of isolated DNA sequences across different species. Genetically modified seed has drawn criticism because of the way it affects biodiversity, the unknown impacts it has on health and the environment, its emphasis on monoculture production without reducing the need for pesticides and seed patenting instead of promoting free seed exchange.

Global North/Global South are not geographic terms and describe the distinct position of countries in the global political and economic order. The terms also highlight the different experiences with colonialism and exploitation that underpin today's order.

Globalisation: the age of globalisation describes the recent great increase in mobility of information, goods and people. While this mobility has existed for thousands of years, its intensity has increased sharply since the middle of the 20th century.

Good life for all: the realistic utopia of a peaceful and solidary society that includes all people living in harmony with the biosphere. Today, pessimism and fear rule, making the concept seem utopian. From the standpoint of civilization and technology, however, it is a realistic vision.

Indigenous peoples: the descendants of a region's original inhabitants. The term stresses the self-identification of culturally, socially and economically distinct groups in society that may even have their own language. Human rights specifically for indigenous peoples guarantee their right to self-determination and to land.

Industrial agriculture: aims for efficiency in production instead of caring for animals, the environment and people. Monoculture fields and mass production as well as the use of chemical fertilisers characterise the system. It promotes large agricultural corporations instead of smallholder farming. Often, instead of catering to regional demand, this form of agriculture is strongly export-oriented.

Industry 4.0: the Fourth Industrial Revolution after mechanisation, mass production and automation. It aims to 'intelligently connect' digital technology and the physical systems of production. The German government, industry associations, unions and researchers drive this process forward.

Institutions: long-term established organisations that shape society such as parties, unions, churches, international organisations or education establishments. Some definitions will also include institutions with unique characteristics, for example, companies, the (mass) media, as well as parliaments, courts and ministries.

Land grabbing: a colloquial term for the heightened economic interest in agricultural land and the global increase in large-scale land buy-ups. Frequently, while legal, they lack democratic control over land access.

Market-based: according to economic logic or the fundamental principles of the market, i.e. driven by prices, supply and demand, etc.

Modern slavery: all forms of forced labour, human trafficking and debt bondage that (illegally) continue even over 150 years after the abolition of slavery. Globally, an estimated 30 to 50 million people work in slave-like conditions, in particular in agriculture, households and care, as well as forced prostitution.

Neoclassical economics: mainstream economic school of thought taught at universities since the middle of the 20th century. The concept is based on assumptions such as profit and utility maximisation, perfect competition and complete information. It omits or only insufficiently considers aspects such as questions of distribution, differing degrees of power, ethical concerns and environmental issues.

Neocolonialism highlights the economic and politico-structural dependencies that persist in spite of the formal independence of former colonies. Certain trade agreements, for example, force countries of the Global South into the role of suppliers of cheap raw material.

Neoliberalism: an ideology and economic policy model that purportedly promotes a 'free market' and insists that it is best for society to limit political interference in business and the economy as far as possible. Examples of neoliberal policies include demands for liberalisation, privatisation and deregulation. Originally, the term described ordoliberalism, the theoretical basis of the social market economy.

Network effects: an effect particularly prominent on internet platforms and in digital services whereby the attractiveness of a particular site increases with the number of its users (as seen with Facebook, Airbnb, Wikipedia and others).

Precarious employment: a job is considered precarious when the worker earns below a certain threshold, is not sufficiently protected and their salary does not allow them to participate fully in society. Gainful employment is also deemed precarious when it stops being meaningful, lacks social recognition and offers people no security to plan for their futures.¹

Privatisation: the transfer of community property (owned, for example, by the state, communities or indigenous peoples) into private hands (owned, for example, by individuals, companies or corporations).

Racism: a balance of power that exists within society globally that sees people differentiated and hierarchized based on physical and/or cultural attributes and/or their origin or nationality. Being 'white' and 'Western' is judged to be superior to being 'black/non-white' and 'non-Western'.²

Re-feudalisation: the global trend towards the unequal distribution of money and power that resembles feudal medieval societies in which only a tiny elite enjoyed a comparatively high standard of living.

Rebound effect: the phenomenon of absolute energy and resource consumption not dropping in spite of efficiency gains in production, management and logistics. When productive efficiency increases, this leads to goods becoming cheaper, potentially causing consumption of that good to increase.

Sharing economy: a broad term for a growing economic sector that emphasises the shared use of goods or services (either on or offline). For successful companies in this sector, profits and not sharing are the main goal.

Sinks: parts of ecosystems that people use as deposits, for example, the atmosphere, seas or the soil under landfills.

Socialisation institutions: the reciprocal and open process, which shapes people and turns them into members of a society that is, in turn, shaped by its people, is called *socialisation*. In many societies, this process begins in families and schools, which would in this case be *institutions of socialisation*.

Transformation, socio-ecological: a fundamental transformation of political and economic systems away from fossil fuels and the growth logic and towards an economy that ensures a decent life for all. This goes deeper than a reform, yet is less abrupt than a revolution.

Transnational consumer class: includes the global middle and upper classes that follow a consumption-oriented lifestyle. When considering this concept, it is important to remember that discriminating structures such as racism and sexism persist.

Transnational corporations: since the end of the 20th century, the largest and most profitable companies are no longer bound to a particular country. Rather, they act as a network and secure advantages in production (cheap labour and resources or lower taxes) on a global scale across numerous countries.

Virtual emissions: emissions produced in third countries that are ‘imported’ by importing goods from these countries for further processing or consumption. Whereas production-related emissions in the Global North have stagnated or even declined, the imported emissions from the Global South are rapidly increasing.

White and black do not describe the colour of a person’s skin but political and social constructs that underpin both discrimination and privilege in our racist societies. The term ‘white’ is mentioned here explicitly to underline its dominant position, which otherwise often goes unmentioned.³

Endnotes

- 1 Brinkmann, Dörre & Röbenack, 2006
- 2 glocal, 2013, pp. 12–13
- 3 glocal, 2013, p. 10