

Terms Selection Report

This selection of terms represents critical concepts in two rapidly evolving and impactful fields: climate and environment, and technology. Each term was chosen for its relevance to contemporary discussions and its potential to illuminate key challenges and opportunities in addressing the ecological crisis and driving technological innovation. From foundational ideas like **Carbon Emissions** and **Artificial Intelligence** to emerging issues such as **Greenwashing** and **Algorithmic Discrimination**, these terms encapsulate the interplay of human behavior, policy, ethics, and innovation. Together, they form a comprehensive glossary that supports deeper understanding and informed action in tackling global challenges.

During the A2.4 activity, a plethora of terms were contributed by all partners in relation to climate and environment, as well as emerging technologies. The total number of terms added in relation to emerging technologies was 77, while 66 terms were added for climate and environment. Some terms were identified across all partners (such as artificial intelligence), reflecting a shared interest in translating commonly used modern terms into their respective sign languages. Other terms were interconnected (e.g., green gases and grey gases), which required careful consideration. A trimming process was undertaken to prioritize terms requiring more urgent translation into sign languages. This resulted in a refined list of 43 terms for climate and environment and 40 terms for emerging technologies. This step is a fundamental milestone for progressing to WP3.

The terms related to Climate & Environment are:

Carbon, Carbon Emissions, Carbon Neutrality, Hydrocarbon, Green Hydrogen, Grey Hydrogen, Greenhouse, Greenhouse Gases, Greenwashing, Climate Refugee, Climate Justice, Habitat, Fragmentation, Mitigation, Tipping Point, Particulate Matter 2.5, Deforestation, Desertification, Sustainability, Cryosphere, Flash Flood, Wave Power, Decomposer, Photovoltaics, Sulfur Dioxide, El Niño, Biodiversity, Air Pollution, Renewable Energy, Regenerative Agriculture, Ecological Transition, Ecological Zonation, Climate Engineering, Ecotourism, Ecodesign, Eco-anxiety, Eco-lucidity, Ecosystem, Anthropocene, Anthropogenic, Climate, Overshoot, Environmentalism, Global-warming Potential, Intergovernmental Panel on Climate Change.

The terms related to Emerging Technologies are: Artificial Intelligence, Bit, Augmented Reality, Virtual Reality, Algorithmic Discrimination, Chatbot, Deep Learning, Metaverse, Techno-Utopia, Cloud Computing, Cognitive Computing, Quantum Computing, Edge Computing, Decision Tree, Deepfake, Artificial neural Network, Explainable Artificial Intelligence, Data Mining, Internet of Things, Graphical User Interface, Sandbox, Scrum, Multilayer Perceptron, Fraud Detection and Prevention, Big Data, Machine Learning, Cybersecurity, Database, User Interface, Passwordless Authentication, Decentralized

Blockchain, Quantum Entanglement, Firmware, Hologram, Token, Non-Fungible Token, Tokenization, Smart Gadgets, 3D Printing, Robotic Process Automation.