

Ways to control carbon

A temperature rise of more than 2 °C relative to the pre-industrial era would have a devastating effect on our global environment.

In order to limit global warming, we need to put a cap on the cumulative CO₂ emissions from all human sources.

ISO has standards that can help reduce GHG emissions, including in the following sectors.



GHG emissions
6 %

Residential and commercial buildings

Buildings and civil engineering works; concrete, reinforced concrete and pre-stressed concrete; cement and lime; wood-based panels; cranes; bases for design of structures; industrial trucks; pumps; glass in building; doors and windows; thermal performance and energy use in the built environment; building environment design; floor coverings...

GHG emissions
10 %

Tropical deforestation

Paper, board and pulps; timber structures; timber; carbon dioxide capture, transportation, and geological storage; chain of custody of wood and wood-based products; bamboo and rattan...



GHG emissions
35 %

Energy production

Nuclear energy, nuclear technologies, and radiological protection; solar energy; natural gas; solid biofuels; energy management; sustainability criteria for bioenergy; biogas; evaluation of energy savings; light and lighting; domestic gas cooking appliances; energy efficiency and renewable energy sources...

GHG emissions
3 %

Waste and water treatment

Water quality; environmental management; service activities relating to drinking water supply systems and wastewater systems; sludge recovery, recycling, treatment and disposal; water re-use; waste management, recycling and road operation service...

GHG emissions
18 %

Industrial production

Screw threads; rolling bearings; steel; paints and varnishes; textiles; machine tools; chemistry; plastics; textile machinery and accessories; mining; protective clothing and equipment; powder metallurgy; packaging; non-destructive testing; optics and photonics; cosmetics; materials for the production of primary aluminium; nanotechnologies; industrial furnaces and associated processing equipment; additive manufacturing; risk management...

GHG emissions
14 %

Agriculture

Tractors and machinery for agriculture and forestry; food products; starch; fertilizers and soil conditioners; soil quality; fisheries and aquaculture; biotechnology; feed machinery...

GHG emissions
14 %

Transport

Ships and marine technology; aircraft and space vehicles; road vehicles; freight containers; cycles; small craft; intelligent transport systems; road traffic safety management systems; railway applications...