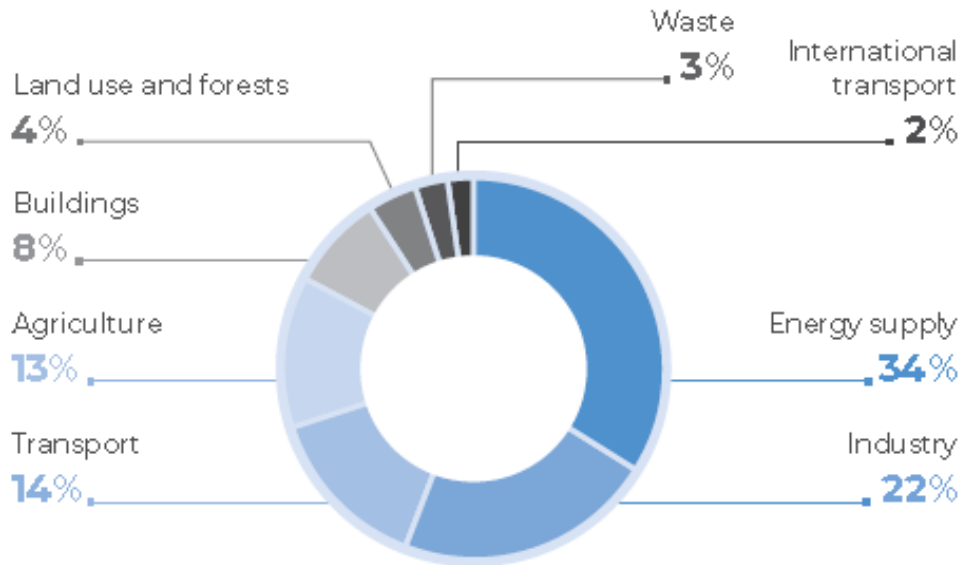


Annex 6

Climate action and support trends

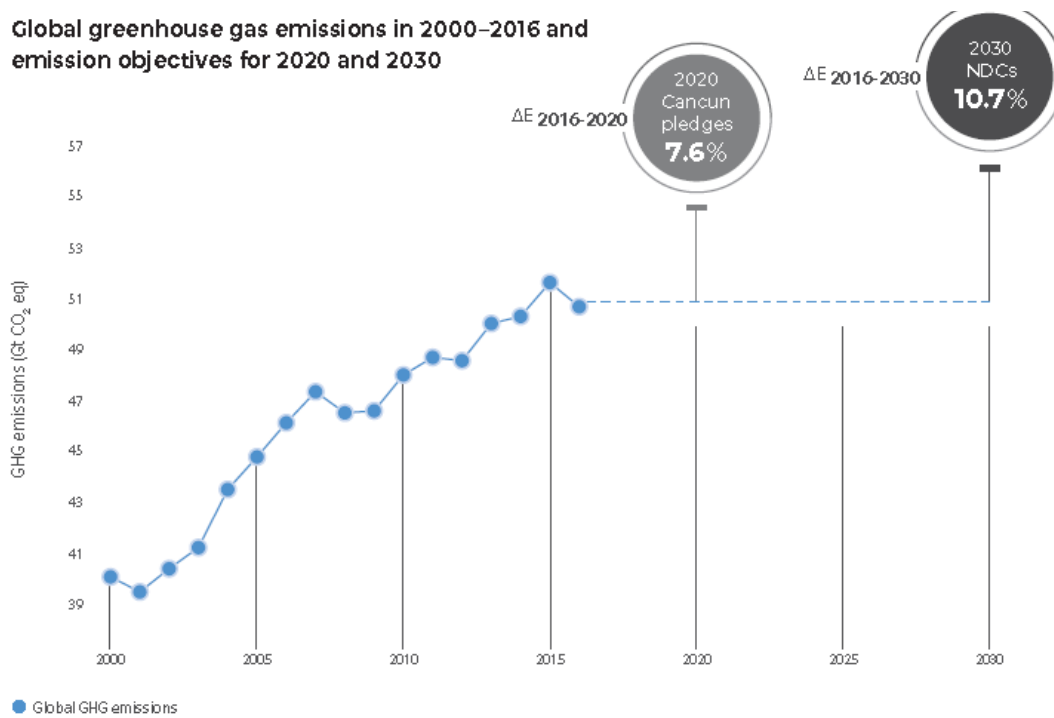
2019 United Nations Climate Change Secretariat

Global greenhouse gas emissions by sector in 2016



Source: UNFCCC

Global greenhouse gas emissions in 2000–2016 and emission objectives for 2020 and 2030



● Global GHG emissions

Source: UNFCCC

Impacts in key vulnerable sectors identified in Parties' intended nationally determined contributions

Sector	Observed and projected impacts
Agriculture	<ul style="list-style-type: none"> › Increased frequency and severity of crop disease › Increased soil erosion › Losses in agricultural production and crop yield due to extreme weather
Water	<ul style="list-style-type: none"> › Changes in water distribution › Reduced water availability and quality
Health	<ul style="list-style-type: none"> › Hunger and malnutrition due to increased food insecurity › Increase in water-borne diseases such as diarrhea due to water scarcity › Increase in vector-borne diseases such as malaria due to higher temperatures › Mortality and morbidity due to extreme events
Forestry	<ul style="list-style-type: none"> › Increase or projected increase in forest fires › Changes in the distribution of forest species
Biodiversity	<ul style="list-style-type: none"> › Changes in the timing and duration of growing seasons › Changes in the distribution of species › Species endangerment and extinction
Coastal zones	<ul style="list-style-type: none"> › Increased risk of flooding and inundation due to extreme weather › Increased coastal erosion › Changes to coastal ecosystems › Alterations in sediment deposition patterns
Fisheries	<ul style="list-style-type: none"> › Changing population numbers and distribution because of ocean acidification and ocean circulation patterns › Habitat loss and degradation for marine animals
Tourism	<ul style="list-style-type: none"> › Reduced winter tourist traffic due to reduced snow cover › Archaeological sites and ancient buildings threatened by extreme weather › Endangered tourist areas due to coastal erosion and sea level rise
Energy	<ul style="list-style-type: none"> › Challenges for thermal generation › Higher demand for cooling › Economic losses due to interruptions caused by extreme weather

Adaptation measures identified by Parties in priority sectors

Sector	Examples
Agriculture	<ul style="list-style-type: none"> › Drought-resilient crops › Food storage, monitoring and distribution › Training for farmers, local administrators and other stakeholders › Implementing climate criteria for agricultural programmes › Adapting agricultural calendars
Water	<ul style="list-style-type: none"> › Water harvesting, storage, metering and saving tools › Integrated water resource management practices › Water treatment facilities › Enhancing water allocation schemes › Public awareness campaigns
Health	<ul style="list-style-type: none"> › Developing contingency plans for health emergencies › Early warning systems for extreme events › Public awareness campaigns
Forestry	<ul style="list-style-type: none"> › Sustainable forest management, including through community forest management › Quantitative objectives for forest protection › Economic incentives for forest protection
Biodiversity	<ul style="list-style-type: none"> › Establishing protected areas and biodiversity corridors › Recovering ecosystems, including forests and marine (mangroves and coral reefs) › Providing water and food points for wildlife
Coastal zones	<ul style="list-style-type: none"> › Coastal afforestation, including mangroves › Integrated coastal zone management practices › Sand banks and structural technologies › Implementing local monitoring networks
Fisheries	<ul style="list-style-type: none"> › Aquaculture › Using technology for open sea cultivation › Monitoring, diagnosing and treating diseases
Tourism	<ul style="list-style-type: none"> › Nature-based and sustainable tourism › Diversification of tourism offerings › Artificial snow in ski areas
Energy	<ul style="list-style-type: none"> › Diversification of energy generation › Climate proofing, and integrating climate considerations into energy sector investments › Public awareness campaigns to increase energy efficiency
Disaster risk management	<ul style="list-style-type: none"> › Early warning systems › Risk management institutions › Hazard mapping › Resilience standards for buildings and infrastructure › Emergency operation plans