

Committee: UNCSTD

Topic: The Role of Technology in Combating the Climate Crisis

Country: The Dominion of Canada

School: Keystone Schools

The Dominion of Canada is a federation of British Colonies formed in 1867. Its government currently states itself as Democratic government. With its boundaries, The Dominion of Canada is currently considered as the synod largest country in the world. The bond between the British, the French and the First Nation peoples led to development in a prosperous country who had one of the longest average lifespan in the world. Its distinguished position and bond of the inhabitants makes it an influential member of the British Commonwealth and La Francophone.

The Dominion of Canada has recognised how dreadful the climate crisis is, and how much it affects our environment. Climate change brings more wildfires, longer periods of drought in some regions, and an increase in the wind intensity and rainfall from tropical cyclones, temperatures rise significantly, and so do sea levels. All of these not only affect many species, but also affect things that the human species itself crucially depends on, and these things are agriculture, energy, water, wildlife, and human health. Technology is a vital part in combating the climate crisis. Energy for instance, all countries depend on energy, for transportation, for electricity, etc. Most of the energy that is used is obtained from coal and oil. Mining coal can cause deforestation, soil erosion, land degradation, and overall is horrible for wildlife. Oil releases harmful pollutants, which pollutes the air, and oil spills significantly harm marine life and wildlife. These are both quite clearly not the correct option for human health, wildlife, and the environment. The dominion of Canada recognises the increasing necessity of energy, however it embraced and developed various effective environmental energy technologies. For example solar energy, wind turbines, hydropower, geothermal energy, and more. This is only one of the environmentally damaging things that technology has managed to find outcomes to. There are more, and there will continue to be more.

The United Nations has repeatedly stated the importance of technology in confronting climate change, specifically through the Paris Agreement and the UNFCCC's Technology Mechanism which promotes innovation, capacity building, and technology transfer for developing countries. UN leaders have spoken of the urgency of actions, for instance, Secretary General António Guterres warned, "We are on a highway to climate hell with our foot on the accelerator." Then noted that "renewable energy is the peace plan of the 21st century," highlighting the UN's push for clean technologies. Major NGOs such as the World Resources Institute, Greenpeace, the ClimateWorks Foundation, work globally to grow climate-smart technologies, support research, and make the transition to a low-carbon future faster.

The Dominion of Canada has faced severe challenges and has taken a great amount of damage on their wildlife, and their environment in general, with heat waves, frequent

wild fires, and melting arctic ice. This has led Canada to invest heavily into green technology, expanded in renewable energy projects, introducing a new carbon pricing system, and promoted the use of green infrastructure and electric vehicles. At the UN Canada generally supports things that encourage global use of climate change technologies, green technologies, and established strong international standards for clean energy and emission monitoring. The Dominion of Canada supports UN plans that make it easier for countries to share information, work together on research, and develop new clean technologies. At the same time, Canada would be careful about any UN policies that weaken strong climate rules or place too much financial pressure on countries that don't have the technology or resources to keep up.

The Dominion of Canada feels that technology is a vital part of combating climate change, and proposes that countries with enough money, technology, and resources should invest in green infrastructure, wind turbines or solar panels, and in general should invest in green technologies that will help their country continue thriving while not bringing harm to the environment. This will help combat climate change, as things such as creating energy from coal or oil, or using gas vehicles, bring harm to the environment and are one of the reasons the climate crisis has struck. Finding alternatives which do not harm the environment or add onto the causes of climate change will be a grave improvement towards combating climate change.

Resources:

1. <https://www.britannica.com/place/Canada>
2. <https://science.nasa.gov/climate-change/effects/#:~:text=Earth%20Will%20Continue%20to%20Warm.and%20rainfall%20from%20tropical%20cyclones.>
3. https://www.investopedia.com/terms/g/green_tech.asp
4. <https://cop29.az/en/pages/cop29-declaration-on-green-digital-action>
5. <https://www.inspirecleanenergy.com/blog/clean-energy-101/6-alternative-energy-sources>