UNIVERSITY OF
OXFORD

PHILOSOPHY OF ETHICS IN CLIMATE CHANGE

Dr. Dominic F Dixon
www.DominicDixon.net

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Introduction

Climate change is one of the most pressing issues facing humanity today. Its impacts are far-reaching, affecting ecosystems, economies, and communities worldwide. Rising temperatures, melting ice caps, and increasing frequency of extreme weather events echoes the urgency of addressing climate change. The ethical dimensions of climate change are complex and multifaceted, involving questions of responsibility, justice, and moral obligation. This essay explores the philosophy of ethics in climate change, examining various ethical theories and their application to the issue, the responsibility towards future generations, global justice, environmental ethics, policy-making, and personal responsibility.

The ethical debate surrounding climate change is not just about understanding scientific data but also about recognizing the moral imperatives that guide our actions. Ethical considerations compel us to ask who is responsible for causing climate change, who suffers the most from its effects, and what obligations current generations have to future generations. By examining these questions through various philosophical lenses, we can develop a more

comprehensive understanding of our ethical duties in the face of climate change.

Ethical Theories and Climate Change

Utilitarianism: Utilitarianism, a consequentialist theory founded by Jeremy Bentham and John Stuart Mill, focuses on maximizing overall happiness and minimizing suffering. In the context of climate change, utilitarianism would advocate for actions that produce the greatest good for the greatest number of people. This involves assessing the potential impacts of climate policies and practices on global well-being. For instance, reducing greenhouse gas emissions can mitigate adverse effects on health, food security, and livelihoods, thereby promoting overall happiness [1].

Applying utilitarian principles to climate change requires a careful analysis of the costs and benefits of various policies. For example, transitioning to renewable energy sources may involve significant upfront costs but can lead to long-term benefits such as reduced air pollution, lower health care costs, and the creation of green jobs. Utilitarians would argue that the net positive impact of such a transition justifies the initial investment. Furthermore, utilitarian ethics emphasizes the importance of considering the well-being of all affected individuals, including those in developing countries who are disproportionately impacted by climate change.

Deontological Ethics: Deontological ethics, rooted in the works of Immanuel Kant, emphasizes duty and adherence to moral rules. From this perspective, individuals and governments have an ethical duty to act in ways that respect the rights and dignity of all people, including those affected by climate change. Kantian ethics would argue against practices that harm others, such as pollution and deforestation, regardless of the consequences. The duty to preserve the environment for current and future generations aligns with the deontological emphasis on moral responsibility [2].

Kantian ethics also stresses the importance of treating individuals as ends in themselves rather than as means to an end. This principle has significant implications for climate change, as it requires policymakers to consider the intrinsic value of individuals' lives and well-being. For instance, policies that disproportionately burden marginalized communities would be considered unethical under a deontological framework. Kantian ethics would advocate for fair and equitable solutions that do not sacrifice the rights of the vulnerable for the sake of economic or political gains.

Virtue Ethics: Virtue ethics, based on Aristotle's philosophy, focuses on the development of moral character

and virtues such as justice, courage, and temperance. In the context of climate change, virtue ethics would advocate for cultivating environmental stewardship and responsibility. Individuals and communities are encouraged to develop virtues that promote sustainable living and respect for the natural world. Virtue ethics emphasizes the importance of moral education and the development of habits that support ethical environmental practices [3].

The cultivation of virtues such as temperance and prudence is particularly relevant to climate change. Temperance, or moderation, involves recognizing the limits of natural resources and avoiding excessive consumption. Prudence, or practical wisdom, requires making thoughtful decisions that consider the long-term consequences of our actions. Virtue ethics also highlights the role of communities and social institutions in developing a culture of environmental responsibility. By promoting virtues through education and community engagement, societies can create a more sustainable and ethically conscious future.

Intergenerational Ethics

Responsibility to Future Generations: Intergenerational ethics concerns the moral obligations that current generations have towards future generations. Philosopher John Rawls's "Theory of Justice" suggests that principles of justice should be chosen under a "veil of ignorance," where decision-makers do not know their place in society. This perspective can be extended to include future generations, advocating for policies that do not disadvantage those yet to be born. The principle of intergenerational justice requires that current generations preserve the environment and resources to ensure that future generations can enjoy a similar quality of life [4].

The concept of intergenerational justice challenges us to think beyond our immediate needs and consider the long-term impacts of our actions. This involves making sacrifices today to ensure a better future for our descendants. For instance, investing in renewable energy and sustainable infrastructure may require significant financial resources, but these investments can create a more stable and resilient environment for future generations. Intergenerational ethics also calls for a precautionary approach, advocating for policies that minimize the risk of severe and irreversible damage to the environment.

Philosophical Arguments on Intergenerational Justice

Philosopher Derek Parfit discusses the "non-identity problem," which questions whether future individuals can be harmed if their very existence depends on present actions. Despite this, many argue that there is a moral obligation to consider the long-term impacts of climate change. Environmental philosopher Bryan Norton proposes the concept of "weak sustainability," which suggests that current generations should ensure that the aggregate stock of natural and human-made capital does not diminish over time. This approach balances development and conservation, recognizing the rights and needs of future generations [5, 6].

The non-identity problem presents a significant philosophical challenge, as it raises questions about the nature of harm and moral responsibility. However, even if future individuals cannot be harmed in the same way as existing individuals, there remains a strong ethical case for ensuring that future generations inherit a world that is conducive to their well-being. Norton's concept of weak sustainability provides a pragmatic framework for balancing economic development with environmental conservation. By maintaining the overall stock of capital,

societies can support ongoing progress while preserving the ecological systems that future generations depend on.

Global Justice and Climate Change

Distributive Justice: Distributive justice concerns the fair distribution of benefits and burdens. Climate change exacerbates existing inequalities, disproportionately affecting vulnerable populations in developing countries. Ethical considerations demand that climate policies address these disparities. The principle of equity, embedded in international agreements like the Paris Agreement, emphasizes that developed countries, which have historically contributed more to greenhouse gas emissions, should take greater responsibility in mitigating climate change and supporting adaptation efforts in developing nations [7].

Addressing distributive justice requires recognizing the historical context of climate change. Developed countries have benefited from centuries of industrialization, which has contributed significantly to the accumulation of greenhouse gases in the atmosphere. In contrast, developing countries, which have contributed relatively little to global emissions, are often the most affected by climate change.

Ethical climate policies should therefore prioritize financial and technical assistance to help developing countries build resilience and adapt to changing environmental conditions. This includes support for sustainable development projects, disaster risk reduction, and capacity-building initiatives.

Historical Responsibility: The concept of historical responsibility holds that countries with a long history of high emissions should bear a greater share of the burden in addressing climate change. This idea is rooted in the notion of corrective justice, which seeks to rectify past wrongs. Developed countries, having benefited from industrialization and economic growth fueled by fossil fuels, have a moral obligation to lead in emission reductions and provide financial and technological support to less developed nations [7].

Historical responsibility also has implications for international climate negotiations. Developed countries are expected to take the lead in reducing emissions and supporting global climate efforts. This principle is reflected in mechanisms such as the Green Climate Fund, which aims to mobilize financial resources to assist developing countries in their climate actions. By acknowledging historical responsibility, developed countries can demonstrate solidarity and commitment to global justice,

developing cooperation and trust in international climate agreements.

The Role of Developing vs. Developed Countries

Developing countries argue that their right to development should not be compromised by stringent climate policies. Ethical considerations must balance the need for economic development with environmental sustainability. The principle of "common but differentiated responsibilities" recognizes that while all countries share the responsibility to combat climate change, their contributions should be proportional to their capabilities and historical emissions. This approach seeks to ensure a just transition to a low-carbon future, where development and climate goals are mutually supportive [7].

The ethical challenge lies in finding a balance between economic growth and environmental protection. Developing countries face pressing needs such as poverty alleviation, healthcare, and education, which require economic resources. At the same time, they must address the environmental impacts of development. Ethical climate policies should therefore support sustainable development pathways that enable economic growth while minimizing environmental harm. This includes promoting clean energy

technologies, sustainable agriculture practices, and green infrastructure projects that create jobs and improve living standards without exacerbating climate change.

LOSS & DAMAGE: The United Nations Framework Convention on Climate Change (UNFCCC) has increasingly recognized the importance of addressing loss and damage associated with the impacts of climate change. The issue has gained prominence in international climate negotiations, particularly through the establishment of the Warsaw International Mechanism for Loss and Damage (WIM) in 2013. The WIM was created to enhance understanding, strengthen coordination, and support efforts to address loss and damage in vulnerable countries. At the 2022 UN Climate Change Conference (COP27) in Sharm El-Sheikh, Egypt, a significant milestone was achieved with the agreement to establish a dedicated "Loss and Damage" fund. This fund is designed to provide financial assistance to developing countries that are particularly vulnerable to the adverse effects of climate change, including extreme weather events and slow-onset events like sea-level rise. The UNFCCC's conclusion on loss and damage signifies the need for robust financial mechanisms, international cooperation, and solidarity to address the severe impacts that many communities are already facing. It also marks a shift towards recognizing and compensating

for the irreversible losses and damages that go beyond adaptation and mitigation efforts.[12]

As of the latest international climate negotiations, specifically at COP27 in 2022, the establishment of the "Loss and Damage" fund marked a historic moment in addressing climate impacts on vulnerable nations. However, while the agreement to create the fund was reached, the exact amount of funding to be allocated is still under negotiation. Discussions around the specifics of financial contributions are ongoing, with various estimates suggesting that the required funds could be in the range of billions of dollars annually. Some reports and studies have indicated that the financial needs could range from $200 billion to over $500 billion per year by 2050, depending on the severity of climate impacts. Despite these estimates, concrete pledges and the total amount negotiated so far are still evolving, with the international community working on the mechanisms for raising and disbursing the funds effectively. According to the UNFCCC, As of March 2024, the fund had received $661 million in pledges from several countries, including France, Italy, Germany, and the United Arab Emirates, each committing $100 million or more. The United Kingdom pledged $50 million, and other countries made smaller contributions. The World Bank has been approved as the fund's interim secretariat host and

trustee. The Philippines was selected as the host country of the fund's board on July 9, 2024

Environmental Ethics

Deep Ecology: Deep ecology, a philosophy developed by Arne Naess, advocates for the intrinsic value of all living beings and the interconnectedness of life. It challenges anthropocentric views that prioritize human interests over the environment. Deep ecology promotes a radical shift in consciousness, encouraging a holistic view of the Earth as a living system. Ethical action, from this perspective, involves protecting biodiversity, preserving ecosystems, and living in harmony with nature [8].

Deep ecology calls for a profound transformation in how we relate to the natural world. It emphasizes the intrinsic worth of all forms of life, arguing that humans have no more right to exploit nature than any other species. This perspective advocates for policies that prioritize ecological integrity and biodiversity conservation. For example, protecting endangered species, restoring degraded ecosystems, and reducing habitat destruction are essential components of a deep ecological approach. By developing a sense of interconnectedness and respect for all life, deep

ecology encourages ethical behavior that supports the health and resilience of the planet.

Eco-centrism vs. Anthropocentrism: Eco-centrism places intrinsic value on the natural world, arguing that all forms of life have inherent worth. This contrasts with anthropocentrism, which views nature primarily in terms of its utility to humans. Eco-centric ethics advocate for the preservation of the environment for its own sake, while anthropocentric ethics focus on the benefits of environmental conservation for human well-being. Both perspectives offer valuable insights for addressing climate change, emphasizing the need for a balanced approach that respects the intrinsic value of nature while recognizing human dependency on ecological health [8].

The tension between eco-centrism and anthropocentrism is evident in debates over conservation priorities. Eco-centrists argue for protecting ecosystems and species regardless of their direct benefits to humans, while anthropocentrists emphasize the importance of ecosystem services such as clean air, water, and food production. A balanced approach recognizes that human well-being is intrinsically linked to the health of the environment. Policies that integrate eco-centric and anthropocentric principles can promote sustainable development while

ensuring the protection of natural ecosystems. For instance, preserving forests not only safeguards biodiversity but also provides vital ecosystem services such as carbon sequestration and water regulation.

Policy and Ethical Decision-Making

Ethical Implications of Climate Policies: Climate policies have significant ethical implications, as they determine how resources are allocated, who bears the costs, and who benefits from mitigation and adaptation efforts. Policymakers must consider justice, equity, and moral responsibility in their decisions. For example, carbon pricing mechanisms, such as carbon taxes or cap-and-trade systems, must be designed to minimize regressive impacts on low-income populations. Transparent and inclusive decision-making processes can help ensure that policies are fair and just [7].

Ethical climate policies should also prioritize the needs of the most vulnerable populations. For instance, adaptation measures such as building flood defences, developing drought-resistant crops, and improving early warning systems can help protect communities that are most at risk from climate impacts. Policymakers must engage with affected communities to understand their specific needs and ensure that adaptation efforts are culturally appropriate and locally relevant. By incorporating ethical considerations into climate policies, governments can create more resilient and equitable societies.

Case Studies (e.g., Paris Agreement): The Paris Agreement, adopted in 2015, represents a landmark effort to address climate change through international cooperation. It emphasizes equity, common but differentiated responsibilities, and the need to limit global temperature rise to well below 2°C. The agreement reflects ethical considerations by recognizing the disproportionate impacts of climate change on vulnerable countries and committing to financial and technical support for adaptation and mitigation efforts. Analyzing the ethical dimensions of the Paris Agreement highlights the importance of global solidarity and collective action in addressing climate change [7].

The Paris Agreement also emphasises the importance of transparency and accountability in climate action. Countries are required to submit nationally determined contributions (NDCs) outlining their climate targets and actions. Regular reporting and review mechanisms ensure that progress is monitored and that countries are held accountable for their commitments. This approach promotes trust and cooperation among nations, fostering a sense of shared responsibility for addressing climate change. The ethical principles embedded in the Paris Agreement serve as a model for future international efforts

to combat climate change and promote sustainable development.

My delegation: The Role of Governments and Accountability: From COP26 to COP28

COP26: Glasgow: COP26, held in Glasgow in 2021, was a critical moment for global climate policy. Governments from around the world gathered to assess progress since the Paris Agreement and to commit to more ambitious targets. One of the key outcomes was the Glasgow Climate Pact, which called for accelerated efforts to reduce emissions and phase down unabated coal power. The pact also emphasized the importance of financial support for developing countries, highlighting the ethical obligation of wealthier nations to assist those most vulnerable to climate impacts [9].

The Glasgow Climate Pact stressed the need for accountability in climate action. Countries were urged to submit updated NDCs with more ambitious targets and to strengthen transparency mechanisms for monitoring progress. The inclusion of a provision to phase down coal was a significant step, reflecting the ethical imperative to reduce reliance on fossil fuels and transition to cleaner energy sources. The emphasis on financial support for developing countries reinforced the principle of equity, recognizing the disproportionate burden that climate change places on vulnerable populations.

COP27: Sharm El-Sheikh: COP27, held in Sharm El-Sheikh in 2022, continued to build on the momentum from Glasgow. A major focus was on adaptation and resilience, with a particular emphasis on the needs of Africa and other vulnerable regions. The conference highlighted the ethical responsibility of developed countries to provide adequate funding for adaptation measures. Agreements were reached to enhance the Adaptation Fund and to establish a new facility to address loss and damage associated with climate impacts [10].

The discussions at COP27 highlighted the ethical dimensions of adaptation and loss and damage. Developing countries, which are often the least responsible for greenhouse gas emissions but the most affected by climate impacts, called for increased financial support and technological assistance. The establishment of a facility to address loss and damage was a significant ethical achievement, acknowledging the need for reparative justice for communities that suffer the most from climate change. This facility aims to provide resources for rebuilding and recovery, ensuring that affected populations receive the support they need to restore their livelihoods.

COP28: Dubai: COP28, scheduled to be held in Dubai in 2023, is expected to further advance global climate

commitments. Key topics include the implementation of net-zero targets, enhancing transparency and accountability, and scaling up climate finance. The conference will also focus on the role of technology and innovation in achieving climate goals. Ethical considerations will play a central role in these discussions, particularly in ensuring that climate actions are inclusive and just [11].

One of the main ethical challenges for COP28 will be ensuring that net-zero targets are met in a manner that is fair and equitable. This includes addressing issues such as carbon offsets, which can sometimes result in negative social and environmental impacts if not properly managed. Enhancing transparency and accountability mechanisms will be crucial for building trust and ensuring that countries are held to their commitments. Additionally, scaling up climate finance to meet the needs of developing countries will remain a critical ethical priority, ensuring that all nations have the resources to achieve their climate goals.

Government Accountability: Governments play a crucial role in addressing climate change and ensuring accountability. Ethical climate governance involves setting ambitious targets, implementing effective policies, and transparently reporting progress. The establishment of

mechanisms such as the Global Stocktake under the Paris Agreement helps monitor collective progress and hold countries accountable for their commitments. Ensuring that climate actions are inclusive, participatory, and just is essential for maintaining public trust and fostering global cooperation [7].

Accountability mechanisms are vital for ensuring that governments follow through on their climate commitments. Regular reporting and review processes help track progress and identify areas where additional efforts are needed. Transparent and inclusive decision-making processes can also enhance public trust and engagement, ensuring that climate policies reflect the needs and aspirations of all stakeholders. By building a culture of accountability, governments can build momentum for sustained climate action and demonstrate their commitment to ethical principles.

Personal Responsibility and Ethical Living

Individual Actions and Their Ethical Significance: Individuals play a crucial role in addressing climate change through their choices and behaviors. Ethical living involves reducing one's carbon footprint, supporting sustainable practices, and advocating for systemic change. Actions such as conserving energy, reducing waste, and choosing sustainable transportation contribute to mitigating climate change. Ethical consumerism, where individuals prioritize environmentally friendly products and companies, can drive market shifts towards sustainability [8].

Personal responsibility in the context of climate change extends beyond individual actions to include civic engagement and advocacy. Individuals can influence policy by participating in democratic processes, supporting environmental organizations, and raising awareness about climate issues. Ethical living also involves making informed choices about investments and financial support, such as divesting from fossil fuels and supporting renewable energy projects. By aligning personal values with sustainable practices, individuals can contribute to a collective effort to address climate change.

The Role of Education and Awareness: Education and awareness are essential for producing ethical responses to climate change. Environmental education can help individuals understand the impacts of their actions and the importance of sustainability. Schools, universities, and community organizations play a critical role in promoting environmental literacy and empowering individuals to take ethical action. Public awareness campaigns can also mobilize collective efforts, encouraging societal shifts towards more sustainable lifestyles and policies [8].

Environmental education should emphasize the interconnectedness of ecological, social, and economic systems, highlighting the complex nature of climate change. By providing students with the knowledge and skills to critically analyze environmental issues, educators can foster a generation of environmentally conscious citizens. Hands-on learning experiences, such as participating in conservation projects or conducting local environmental assessments, can enhance students' understanding of climate change and inspire them to take action. Public awareness campaigns that use various media platforms can reach a broad audience, promoting a culture of sustainability and encouraging collective action to address climate change.

Conclusion

The philosophy of ethics in climate change encompasses a wide range of considerations, from theoretical frameworks to practical actions. Ethical theories such as utilitarianism, deontology, and virtue ethics provide valuable perspectives on our moral obligations to address climate change. Intergenerational and global justice highlight the need to consider the rights and needs of future generations and vulnerable populations. Environmental ethics challenge us to rethink our relationship with nature, while ethical decision-making in policy and individual actions emphasizes the importance of fairness and responsibility. As we confront the challenges of climate change, a robust ethical framework can guide us towards a more just and sustainable future.

The ethical challenges posed by climate change require a comprehensive and multifaceted approach. By integrating ethical principles into climate policies, education, and personal actions, we can create a more resilient and sustainable world. The urgency of climate change demands immediate and sustained efforts from individuals, communities, and governments. As we work towards mitigating its impacts and adapting to its effects, we must remain guided by a commitment to justice, responsibility,

and sustainability. Only through collective ethical action can we hope to secure a liveable planet for current and future generations.

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