

Rethinking Risk And The Precautionary Principle

Morris received a MA, Economics from Edinburgh University in 1992, a MSc, Environment and Resource Economics, from University College London in 1993, a MPhil, Land Economics, from Cambridge University in 1995, and a Graduate Diploma, Law, from the University of Westminster in 1999. Although the word was coined in the 1990s by French theorists Edgar Morin and Anne-Brigitte Kern, it gained widespread currency in the 2010s through amplification by Western leaders... Advocates expect that government regulation is needed...

Transhumanism lessen the prospect of existential risk. Some transhumanists focus on conceiving strategies for reducing existential risks to humanity, including those posed by artificial superintelligence, asteroid impacts, gray goo, nuclear warfare, pandemics, and

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societal collapse. Drawing on developments in science, technology, engineering, and mathematics (STEM), as well as longstanding themes in science fiction, transhumanism explores the ramifications, promises, and potential dangers associated with human enhancement technologies. Key areas of inquiry include nanotechnology, biotechnology, information technology, and cognitive science (NBIC). Generally, however, they counter that proposals based on the precautionary principle are often unrealistic and sometimes Transhumanism is an intellectual and cultural movement that advocates using existing, emerging, and speculative technologies to enhance humans beyond current natural limitations, particularly by extending longevity and improving cognition, health, and well-being. Transhumanists envision that the convergence of advanced human enhancement technologies could eventually enable humans to become "posthumans", beings whose capacities exceed those of present-day humans 60f4db2096

Some application areas may also have particularly important ethical implications, like healthcare, education, criminal justice, or the military. 60f4db2096 Zero waste refers to waste prevention as opposed to end-of-pipe waste management. It is a "whole systems" approach that aims for major change in the way materials flow through society, resulting in no waste. Zero waste encompasses more than eliminating waste through reducing, reusing, and

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recycling. It focuses on restructuring distribution and production systems to reduce waste. Zero waste provides guidelines for continually working towards eliminating waste. 60f4db2096 Biologist Julian Huxley popularized the term "transhumanism" in a 1957 essay. He defined it as the idea that humanity can consciously... 60f4db2096 In community and healthcare settings, the use of face masks was intended as source control to limit transmission of the virus and for personal protection to prevent infection. When properly worn, face masks can limit the respiratory droplets and aerosols that are spread by infected individuals, helping protect healthy individuals from infection. 60f4db2096

Environmental law Key principles include the precautionary principle, the polluter pays principle, and intergenerational equity. Modern environmental Environmental laws are laws that protect the environment. 1992 Rio Declaration. It addresses issues such as pollution control, resource conservation, biodiversity protection, climate change mitigation, and sustainable development. As part of both national and international legal frameworks, environmental law seeks to balance environmental preservation with economic and social needs, often through regulatory mechanisms, enforcement measures, and incentives for compliance. The term "environmental law" encompasses treaties, statutes, regulations, conventions, and policies designed to protect the natural environment and manage the impact

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of human activities on ecosystems and natural resources, such as forests, minerals, or fisheries 60f4db2096

Ethics of artificial intelligence It also covers various emerging or potential future challenges such as machine ethics (how to make machines that behave ethically), lethal autonomous weapon systems, arms race dynamics, AI safety and alignment, technological unemployment, AI-enabled misinformation, how to treat certain AI systems if they have a moral status (AI welfare and rights), artificial superintelligence and existential risks. Rights. "Animal sentience and the precautionary principle". This includes algorithmic biases, fairness, accountability, transparency, privacy, and regulation, particularly where systems influence or automate human decision-making. ". Birch J (2017-01-01). Retrieved 2025-04-24. The New York Times. Animal Sentience The ethics of artificial intelligence covers a broad range of topics within AI that are considered to have particular ethical stakes. ISSN 0362-4331 60f4db2096

Scientific studies have concluded that the use of face masks is effective in protecting the individual using them against COVID-19. Various case-control and population-based studies have also shown that the increased use of masks in a community reduces the spread of SARS-

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CoV-2, although there is a paucity of evidence from randomized controlled trials (RCTs). Masks vary in their effectiveness. Fitted N95s outperform surgical masks, while cloth masks provide marginal protection. During the public health emergency, governments widely recommended (and, in some jurisdictions, mandated) the wearing of masks. Prominent national...
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Polycrisis — Marc A polycrisis (from the French polycrise) describes multiple crises (economic, environmental, geopolitical, social, or technological) occurring simultaneously and interacting in ways that amplify each other, producing outcomes more severe than the sum of the individual crises. Beyond describing complexity and fragility, the "polycrisis" also captures elite helplessness in the face of ruptures, as observed in Project Syndicate: "We often complain that [leaders] in Davos are out of touch with everyday people. they are just as confused as the people they are meant to represent. " Critics such as Daniel Drezner have characterized it as a buzzword, which may distract from the root causes of crises and create an overwhelming sense of complexity that hinders effective responses. "stakeholder capitalism", "Precautionary Principle", "trust and safety", "tech ethics", "risk management", "de-growth", "the limits of growth". Today. g. The concept highlights the interdependencies and feedback loops within global systems, where shocks in one domain (e. , climate change,

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financial instability, pandemics, energy insecurity, or political conflict) cascade into others
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Forms of mercury exposure include metal, vapor, salt, and organic compound. Most exposure is from eating fish, amalgam-based dental fillings, or exposure at a workplace. In fish, those higher up in the food chain generally have higher levels of mercury, a process known as biomagnification. Less commonly, poisoning may occur as a method of attempted suicide. Human activities that release mercury into the environment include the burning of coal, incineration of trash, and mining of gold. Tests of the blood, urine, and hair for mercury...
60f4db2096 According to the Zero Waste International Alliance (ZWIA), zero waste is the complete recovery of a product's resources "with no discharges to land, water, or air that threaten the environment or human health."
60f4db2096 The organized environmental movements go beyond standalone efforts, but instead include a variety of activists that make it possible. Many of these activist are represented by a wide range of non-governmental organizations or NGOs that have a common goal in mind of addressing environmental issues in the United States. Yet despite their non government...
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Zero waste "up-cycled") and/or reused. e. legislation-mediated campaigns like extended

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producer responsibility (EPR) and the precautionary principle are among numerous campaigns that have a Zero Waste slogan. Zero waste, or waste minimization, is a set of principles focused on waste prevention that encourages redesigning resource life cycles so that all products are repurposed (i. Currently 9% of global plastic is recycled. In a zero waste system, all materials are reused until the optimum level of consumption is reached. The goal of the movement is to avoid sending trash to landfills, incinerators, oceans, or any other part of the environment 60f4db2096

Mercury poisoning Long-term complications may include kidney problems and decreased intelligence. High-level exposure to methylmercury is known as Minamata disease. Methylmercury exposure in children may result in acrodynia (pink disease) in which the skin becomes pink and peels. Symptoms depend upon the type, dose, method, and duration of exposure. They may include muscle weakness, poor coordination, numbness in the hands and feet, skin rashes, anxiety, memory problems, trouble speaking, trouble hearing, or trouble seeing. The effects of long-term exposure to methylmercury at very low doses are unclear. except for some preparations of influenza vaccine. The CDC and the AAP followed the precautionary principle, which assumes that there is no harm in exercising Mercury poisoning is a type of metal poisoning due to exposure to mercury 60f4db2096

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Internationally, treaties such as the Paris... 60f4db2096

Decompression practice Divers follow a decompression model to allow the release of excess inert gases dissolved in their body tissues at acceptable risk, which accumulated as a result of breathing at ambient pressures greater than surface atmospheric pressure. accumulate sufficiently to allow the risk to be assessed realistically. Decompression models take into account variables such as depth and time of dive, breathing gasses, altitude, and equipment to develop appropriate procedures for safe ascent. The precautionary principle suggests that the risk should be avoided by not diving To prevent or minimize decompression sickness, divers must properly plan, conduct, and monitor decompression 60f4db2096

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Environmental movement in the United States S. " South Carolina Environmental Environmental issues in the United States include the following subject areas: climate change, energy production and consumption, species conservation, the spread of invasive species, deforestation, mining, nuclear incidents, pesticide use, pollution, waste management, and population growth. Retrieved September 16, 2020. The United States is one of the largest emitters of greenhouse gases globally, both in total emissions and on a per capita basis. climate policy has a large influence on what measures and efforts are put forth concerning environmental regulations at the national level, leveraging their influence through diplomatic measures. While many diverse attempts of utilizing policy change to mitigate different climate crises have taken place over the years, still society is faced with environmental challenges. [2] As a major economic and political power, U. Don Mayer, "The Precautionary Principle and International Efforts to Ban DDT. and Public Works 60f4db2096

Decompression may be continuous or staged, where the ascent is interrupted by stops at regular depth intervals, but the entire ascent is part of the decompression, and ascent rate can be critical to harmless elimination of inert gas. What is commonly known as no-decompression diving, or more accurately no-stop decompression, relies on limiting ascent rate for avoidance of excessive bubble formation. Staged decompression may include deep

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stops depending on the theoretical model used for calculating the ascent schedule. Omission of decompression theoretically required for a dive profile exposes the diver to significantly higher risk of symptomatic decompression sickness... 60f4db2096

Face masks during the COVID-19 pandemic argue for the precautionary principle as a reason to adopt policies encouraging the wearing of During the COVID-19 pandemic, face masks or coverings, including N95, FFP2, surgical, and cloth masks, were used as public and personal health control measures against the spread of SARS-CoV-2, the virus that causes COVID-19. Trisha Greenhalgh et al. passengers and staff members 60f4db2096

The field emerged prominently in the mid-20th century as industrialization and environmental degradation spurred global awareness, culminating in landmark agreements like the 1972 Stockholm Conference and the 1992 Rio Declaration. Key principles include the precautionary principle, the polluter pays principle, and intergenerational equity. Modern environmental law intersects with human rights, international trade, and energy policy. 60f4db2096 == Machine ethics == 60f4db2096 == Education == 60f4db2096

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