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KEY=FORESIGHT - DECKER MCGEE

CONGRESSIONAL FORESIGHT

HISTORY, RECENT EXPERIENCES, AND IMPLEMENTATION STRATEGIES : A REPORT

GEOENGINEERING OUR CLIMATE?

ETHICS, POLITICS, AND GOVERNANCE

Routledge If the detrimental impacts of human-induced climate change continue to mount, technologies for geoengineering our climate – i.e. deliberate modifying of the Earth's climate system at a large scale – are likely to receive ever greater attention from countries and societies worldwide. Geoengineering technologies could have profound ramifications for our societies, and yet agreeing on an international governance framework in which even serious research into these planetary-altering technologies can take place presents an immense international political challenge. In this important book, a diverse collection of internationally respected scientists, philosophers, legal scholars, policymakers, and civil society representatives examine and reflect upon the global geoengineering debate they have helped shape. Opening with essays examining the historic origins of contemporary geoengineering ideas,

the book goes on to explore varying perspectives from across the first decade of this global discourse since 2006. These essays methodically cover: the practical and ethical dilemmas geoengineering poses; the evolving geoengineering research agenda; the challenges geoengineering technologies present to current international legal and political frameworks; and differing perceptions of geoengineering from around the world. The book concludes with a series of forward looking essays, some drawing lessons from precedents for governing other global issues, others proposing how geoengineering technologies might be governed if/as they begin to emerge from the lab into the real world. This book is an indispensable resource for scientists, activists, policymakers, and political figures aiming to engage in the emerging debate about geoengineering our climate.

WIND AND SOLAR ENERGY TRANSITION IN CHINA

Routledge This book explores the mobilisation of China's wind and solar industries and examines the implications of this development to energy generation and distribution, innovation and governance. Unlike other publications that focus mainly on the formal policy landscape and statistics of industry development, this book delves deeper into the ways in which the wind and solar industries have evolved through negotiations made by the involved stakeholders, and how these industries play into larger Chinese development and policymaking interests. Overall, it sheds new light on the strategic development of China's renewable energy industry, the flexible governance methods employed and the internal struggles which Chinese local, regional and central policymakers, and state-owned and private enterprises have faced. This book will be of great relevance to students and scholars of renewable energy technologies, energy policy and sustainability transitions, as well as policymakers with a specific interest in China.

REQUIREMENTS FOR RECURRING REPORTS TO THE CONGRESS

A DIRECTORY

Describes reports required of executive branch agencies by the Congress on a recurring basis.

REQUIREMENTS FOR RECURRING REPORTS TO THE CONGRESS

A DIRECTORY : ISSUED BY THE COMPTROLLER GENERAL FOR THE PERIOD THROUGH JUNE 30, 1976

NATIONAL PROJECT MANAGEMENT

THE SUNSHINE PROJECT AND THE RISE OF THE JAPANESE SOLAR INDUSTRY

Springer Nature This book clarifies the challenges and outcomes of the Sunshine Project, a national project in Japan for developing new energy that was launched about 40 years ago at the time of the first oil crisis in the early 1970s and ended, as planned, in the early 2000s. The Sunshine Project was the government's national

project for developing new energy technologies such as solar energy and other natural energy sources—what we call renewable energy today. The book considers why policies were successful in some areas but did not have the intended effect in other areas. It explains how technology innovation was employed to achieve energy policy goals and to tackle environmental issues. If we can present suggestions for how to structure national projects, it may also be possible to identify ways for industry, government, and academia to come together to find solutions not only to environmental energy problems, but also to other social problems. Herein lies the goal of this book. Although the development of new energy is the main subject of the book, the author also scrutinizes the governmental decision-making process involved in planning policy, the creative process, and the design of systems of collaboration between industry, government, and academia as well as cases where corporations have developed commercial versions of new energy products. The main part of the book consists of three case studies interspersed with two reflective chapters. The first case study describes the Sunshine Project from the perspective of project management based on the perspective of government. The second case study is a detailed examination of the routines in all organizations, whether industry, government, or academia, and of the autonomy of the project organization. The third case study increases the degree of detail to focus on the smallest unit of analysis, the intentions and motivations of key individuals participating in the project.

CHEMTRAILS, HAARP, AND THE FULL SPECTRUM DOMINANCE OF PLANET EARTH

Feral House We are entering a Space Age, but not the kind President Kennedy originally envisioned. This Space Age is replacing resource wars and redefines planet earth as a "battlespace" in accordance with the military doctrine of "Full-Spectrum Dominance." This book examines how chemtrails and ionospheric heaters like the High-frequency Active Auroral Research Project (HAARP) in Alaska services a full-spectrum dominance. This "Revolution in Military Affairs" needs an atmospheric medium to assure wireless access to the bodies and brains of anyone on Earth—from heat-seeking missiles to a form of mind control. How sinister are these technologies? Are we being prepared for a "global village" lockdown? The recent release of NSA records have reminded Americans that "eyes in the sky" are tracking us as supercomputers record the phone calls, e-mails, internet posts, and even the brain frequencies of millions. Elana M. Freeland's startling book sifts through the confusion surrounding chemtrails-versus-contrails and how extreme weather is being "geo-engineered" to enrich disaster capitalists and intimidate nations. A deconstruction of Bernard J. Eastlund's HAARP patent points to other covert agendas, such as a global Smart Grid infrastructure that enables access to every body and brain on Earth, a "Transhumanist" future that erases lines between human and machine, and Nanobiological hybrids armed with microprocessors that infest and harm human bodies.

SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

ENERGY: A CONTINUING BIBLIOGRAPHY WITH INDEXES

ENERGY MANAGEMENT FOR SCHOOL ADMINISTRATORS

GLOBAL ENERGY ASSESSMENT

TOWARD A SUSTAINABLE FUTURE

Cambridge University Press Independent, scientifically based, integrated, policy-relevant analysis of current and emerging energy issues for specialists and policymakers in academia, industry, government.

MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS

CONGRESSIONAL RECORD

PROCEEDINGS AND DEBATES OF THE ... CONGRESS

The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in *The Debates and Proceedings in the Congress of the United States (1789-1824)*, the *Register of Debates in Congress (1824-1837)*, and the *Congressional Globe (1833-1873)*

MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS

February issue includes Appendix entitled *Directory of United States Government periodicals and subscription publications*; September issue includes *List of depository libraries*; June and December issues include *semiannual index*

MONTHLY CATALOGUE, UNITED STATES PUBLIC DOCUMENTS

CONGRESSIONAL RECORD

PROCEEDINGS AND DEBATES OF THE ... CONGRESS

PROCEEDINGS OF THE WORKSHOP ON SOLAR ENERGY STORAGE SUBSYSTEMS FOR THE HEATING AND COOLING OF BUILDINGS, CHARLOTTESVILLE, VIRGINIA, APRIL 16-18, 1975

GREEN FINANCE AND INVESTMENT GREEN INVESTMENT BANKS SCALING UP PRIVATE INVESTMENT IN LOW-CARBON, CLIMATE-RESILIENT INFRASTRUCTURE

SCALING UP PRIVATE INVESTMENT IN LOW-CARBON, CLIMATE-RESILIENT INFRASTRUCTURE

OECD Publishing This report provides the first comprehensive study of publically capitalised green investment banks (GIBs), analysing the rationales, mandates and

financing activities of this relatively new category of public financial institution that aims to accelerate the transition to a low-carbon economy.

GOVERNMENT REPORTS ANNOUNCEMENTS & INDEX

BUSINESS PERIODICALS INDEX

THE ENERGY INDEX

ENERGY RESEARCH ABSTRACTS

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

ENERGY ABSTRACTS FOR POLICY ANALYSIS

RESOURCE ACCOUNTING FOR SUSTAINABILITY ASSESSMENT

THE NEXUS BETWEEN ENERGY, FOOD, WATER AND LAND USE

Routledge The demands placed on land, water, energy and other natural resources are exacerbated as the world population continues to increase together with the expectations of economic growth. This, combined with concerns over environmental change, presents a set of scientific, policy and management issues that are critical for sustainability. *Resource Accounting for Sustainability Assessment: The nexus between energy, food, water and land use* offers an approach for multi-scale, integrated assessment of this nexus. It presents a comprehensive and original method of resource accounting for integrated sustainability assessments. The approach is illustrated with three detailed case studies: the islands of Mauritius, the Indian state of Punjab, and the energy economy of South Africa. The relationships between flows of goods, services and materials in these case studies offer valuable insights. The book provides a much needed quality control on the information used in deliberative processes about policy and planning activities. This innovative book will be of interest to researchers, students and practitioners in the fields of sustainability science, international development, industrial ecology, sustainable resource management, geography and ecological economics.

CLIMATE INTERVENTION

REFLECTING SUNLIGHT TO COOL EARTH

National Academies Press The growing problem of changing environmental conditions caused by climate destabilization is well recognized as one of the defining issues of our time. The root problem is greenhouse gas emissions, and the

fundamental solution is curbing those emissions. Climate geoengineering has often been considered to be a "last-ditch" response to climate change, to be used only if climate change damage should produce extreme hardship. Although the likelihood of eventually needing to resort to these efforts grows with every year of inaction on emissions control, there is a lack of information on these ways of potentially intervening in the climate system. As one of a two-book report, this volume of *Climate Intervention* discusses albedo modification - changing the fraction of incoming solar radiation that reaches the surface. This approach would deliberately modify the energy budget of Earth to produce a cooling designed to compensate for some of the effects of warming associated with greenhouse gas increases. The prospect of large-scale albedo modification raises political and governance issues at national and global levels, as well as ethical concerns. *Climate Intervention: Reflecting Sunlight to Cool Earth* discusses some of the social, political, and legal issues surrounding these proposed techniques. It is far easier to modify Earth's albedo than to determine whether it should be done or what the consequences might be of such an action. One serious concern is that such an action could be unilaterally undertaken by a small nation or smaller entity for its own benefit without international sanction and regardless of international consequences. Transparency in discussing this subject is critical. In the spirit of that transparency, *Climate Intervention: Reflecting Sunlight to Cool Earth* was based on peer-reviewed literature and the judgments of the authoring committee; no new research was done as part of this study and all data and information used are from entirely open sources. By helping to bring light to this topic area, this book will help leaders to be far more knowledgeable about the consequences of albedo modification approaches before they face a decision whether or not to use them.

GLOBAL TRENDS 2040

A MORE CONTESTED WORLD

Cosimo Reports "The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with health, economic, political, and security implications that will ripple for years to come." -*Global Trends 2040 (2021)* *Global Trends 2040-A More Contested World (2021)*, released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a contested, fragmented and turbulent world. It specifically discusses the four main trends that will shape tomorrow's world: - Demographics-by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics-increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology-the emergence of new technologies could both solve and cause problems for human life. Students of trends, policymakers, entrepreneurs, academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

**KASKASKIA NAVIGATION PROJECT (OPERATION AND MAINTENANCE)
ILLINOIS**

RENEWABLE ENERGY SOURCES AND CLIMATE CHANGE MITIGATION

**SPECIAL REPORT OF THE INTERGOVERNMENTAL PANEL ON CLIMATE
CHANGE**

Cambridge University Press This Intergovernmental Panel on Climate Change Special Report (IPCC-SRREN) assesses the potential role of renewable energy in the mitigation of climate change. It covers the six most important renewable energy sources - bioenergy, solar, geothermal, hydropower, ocean and wind energy - as well as their integration into present and future energy systems. It considers the environmental and social consequences associated with the deployment of these technologies and presents strategies to overcome technical as well as non-technical obstacles to their application and diffusion. SRREN brings a broad spectrum of technology-specific experts together with scientists studying energy systems as a whole. Prepared following strict IPCC procedures, it presents an impartial assessment of the current state of knowledge: it is policy relevant but not policy prescriptive. SRREN is an invaluable assessment of the potential role of renewable energy for the mitigation of climate change for policymakers, the private sector and academic researchers.

MAPPING CLIMATE VULNERABILITY AND POVERTY IN AFRICA

REPORT TO THE DEPARTMENT FOR INTERNATIONAL DEVELOPMENT

ILRI (aka ILCA and ILRAD)

**HEARINGS, REPORTS AND PRINTS OF THE SENATE COMMITTEE ON
COMMERCE, SCIENCE, AND TRANSPORTATION**

FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATION

**THE OXFORD HANDBOOK OF THE SCIENCE OF SCIENCE
COMMUNICATION**

Oxford University Press The proposal to vaccinate adolescent girls against the human papilloma virus ignited political controversy, as did the advent of fracking and a host of other emerging technologies. These disputes attest to the persistent gap between expert and public perceptions. Complicating the communication of sound science and the debates that surround the societal applications of that science is a changing media environment in which misinformation can elicit belief without corrective context and likeminded individuals are prone to seek ideologically comforting information within their own self-constructed media enclaves. Drawing on the expertise of leading science communication scholars from six countries, *The Oxford Handbook of the Science of Science Communication* not only charts the media landscape - from news and entertainment to blogs and films - but also

examines the powers and perils of human biases - from the disposition to seek confirming evidence to the inclination to overweight endpoints in a trend line. In the process, it draws together the best available social science on ways to communicate science while also minimizing the pernicious effects of human bias. The Handbook adds case studies exploring instances in which communication undercut or facilitated the access to scientific evidence. The range of topics addressed is wide, from genetically engineered organisms and nanotechnology to vaccination controversies and climate change. Also unique to this book is a focus on the complexities of involving the public in decision making about the uses of science, the regulations that should govern its application, and the ethical boundaries within which science should operate. The Handbook is an invaluable resource for researchers in the communication fields, particularly in science and health communication, as well as to scholars involved in research on scientific topics susceptible to distortion in partisan debate.

THE REGULATION AND POLICY OF LATIN AMERICAN ENERGY TRANSITIONS

Elsevier The Regulation and Policy of Latin American Energy Transitions examines the ongoing revolution within the energy landscape of Latin America. This book includes real-world examples from across the continent to demonstrate the current landscape of energy policy in Latin America. It focuses on distributed energy resources, including distributed generation, energy efficiency and microgrids, but also addresses the role of less common energy sources, such as geothermal and biogas, as well as discusses the changing role of energy actors, where consumers become prosumers or prosumagers, and utilities become service providers. The legal frameworks that are still hampering the transformation of the energy landscape are explored, together with an analysis of the economic, planning-related and social aspects of energy transitions, which can help address the issue of how inequalities are affecting and being affected by energy transitions. The book is suitable for policy makers, lawyers, economists and social science professionals working with energy policy, as well as researchers and industry professionals in the field. It is an ideal source for anyone involved in energy policy and regulation across Latin America. Reviews key legal and policy features defining success and failure within the diverse Latin American energy transitions Provides clear descriptions and comparisons of current and potential future policy frameworks in Latin America across differing social, economic, geo-political and policy contexts Analyzes the potential role of new technologies and practices in developing the region's energy economy Poses key regulatory challenges and possible means to finance the envisioned transitions

UNESCO SCIENCE REPORT

THE RACE AGAINST TIME FOR SMARTER DEVELOPMENT

UNESCO Publishing

AN EVALUATION OF ENERGY USE IN CHARLOTTESVILLE PUBLIC BUILDINGS AND FACILITIES, 1972-1977

FINAL REPORT

ENERGY INFORMATION ABSTRACTS

Includes indexes.

LIVESTOCK PRODUCTION AND CLIMATE CHANGE

CABI In a changing climate, livestock production is expected to exhibit dual roles of mitigation and adaptation in order to meet the challenge of food security. This book approaches the issues of livestock production and climate change through three sections: I. Livestock production, II. Climate change and, III. Enteric methane amelioration. Section I addresses issues of feed quality and availability, abiotic stress (heat and nutritional) and strategies for alleviation, livestock generated nitrogen and phosphorus pollution, and approaches for harnessing the complex gut microbial diversity. Section II discusses the effects of climate change on livestock diversity, farm animal reproduction, impact of meat production on climate change, and emphasising the role of indigenous livestock in climatic change to sustain production. Section III deals with the most recent approaches to amelioration of livestock methane such as breeding for low methane emissions, reductive acetogenesis, immunization/vaccine-based concepts and archaea phage therapy.

CARBON DIOXIDE CAPTURE AND STORAGE

SPECIAL REPORT OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

Cambridge University Press IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

BRITISH NATIONAL BIBLIOGRAPHY FOR REPORT LITERATURE

BNBRL

THE GOVERNANCE OF SOLAR GEOENGINEERING

MANAGING CLIMATE CHANGE IN THE ANTHROPOCENE

Cambridge University Press Solar geoengineering could reduce climate change, but poses risks. This volume explores how it is, could, and should be governed.