

Environmental Justice Across the Lithium Supply Chain: A Role for Science Diplomacy in the Americas

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Executive Summary: While climate change mitigation is a global concern that all countries must play a role in curbing, the costs and benefits of various strategies across geographic boundaries must be examined from a full supply chain perspective. In countries such as the United States (US) where the transportation sector is a leading source of greenhouse gas (GHG) emissions, switching from internal combustion engine vehicles (ICEV) to electric vehicles (EV) has emerged as one strategy to combat climate change. However, these EVs rely on critical minerals in their batteries, which are sourced largely from the global south, where there are not as many environmental and social protection regulations and practices. One such mineral, Lithium is found mostly in the Lithium Triangle (LT) in the South American countries of Argentina, Bolivia, and Chile. Lithium mining is negatively affecting natural resources and ecologies in the LT, in turn creating challenges for nearby communities including indigenous people in the area. Science diplomacy could strengthen relationships and communication between Northern and Southern American countries and more equitably distribute the social and environmental costs and benefits of lithium extraction and EV sales and operations. This paper explores how science diplomacy can foster the governance processes and scientific inputs needed to support more sustainable and just supply chains. It demonstrates higher benefits at the use stage of the EV supply chain in North America, and higher costs at the raw materials extraction for lithium in the EV supply chain in South America. This paper also calls attention to standards and measures that could be applied to sustainable mining. We document best practices, lessons learned, and gaps in collaborative potential between interdisciplinary and transitional stakeholders to develop definitions, measures, and goals across the entire supply chain of lithium for EV batteries.

I. Introduction

Climate change mitigation requires reducing fossil fuel consumption, increasing renewable energy use, and overall reducing greenhouse gas emissions. This challenge is acute in the transportation sector, where electric vehicles

(EVs) have emerged as a panacea for climate change mitigation.

In the United States (US), the shift to EVs is especially pronounced, as Transportation is the leading sector contributing to greenhouse gas emissions. However, EVs are powered by batteries

Environment And Diplomacy In The Americas

David T. Buckley



Environment And Diplomacy In The Americas:

Environment and Diplomacy in the Americas Heraldo Muñoz,1992 The deterioration of the environment in the Americas exacts urgent and decisive action a diagnosis shared by all 34 member countries of the Organization of American States Consequently in 1990 the OAS began a process of diplomatic debates oriented toward creating an inter American system of nature conservation This effort culminated at the June 1991 General Assembly in Santiago de Chile where an Inter American Program of Action for Environmental Protection was approved and an OAS permanent committee on the environment was created to design and oversee environmental policy **International Environmental Diplomacy** John Edward

Carroll,1988 *A Companion to American Foreign Relations* Robert Schulzinger,2008-04-15 This is an authoritative volume of historiographical essays that survey the state of U S diplomatic history The essays cover the entire range of the history of American foreign relations from the colonial period to the present They discuss the major sources and analyze the most influential books and articles in the field Includes discussions of new methodological approaches in diplomatic history

Guide to U.S. Environmental Policy Sally K. Fairfax,Edmund Russell,2014-08-14 Guide to U S Environmental Policy provides the analytical connections showing readers how issues and actions are translated into public policies and persistent institutions for resolving or managing environmental conflict in the U S The guide highlights a complex decision making cycle that requires the cooperation of government business and an informed citizenry to achieve a comprehensive approach to environmental protection The book s topical operational and relational essays address development of U S environmental policies the federal agencies and public and private organizations that frame and administer environmental policies and the challenges of balancing conservation and preservation against economic development the ongoing debates related to turning environmental concerns into environmental management and the role of the U S in international organizations that facilitate global environmental governance Key Features 30 essays by leading conservationists and scholars in the field investigate the fundamental political social and economic processes and forces driving policy decisions about the protection and future of the environment Essential themes traced through the chapters include natural resource allocation and preservation human health rights of indigenous peoples benefits of recycling economic and other policy areas impacted by responses to green concerns international cooperation and immediate and long term costs associated with environmental policy The essays explore the impact made by key environmental policymakers presidents and politicians as well as the topical issues that have influenced U S environmental public policy from the colonial period to the present day A summary of regulatory agencies for environmental policy a selected bibliography and a thorough index are included This must have reference for political science and public policy students who seek to understand the forces that U S environmental policy is suitable for academic public high school government and professional libraries **America, China, and the Struggle for World Order** G. John Ikenberry,Zhu Feng,Wang Jisi,2015-07-22 This book brings together twelve scholars six Americans and six Chinese to explore

the ways America and China think about international order The book shows how each country's traditions, historical experiences and ideologies influence current global dialogues Nation-States and the Global Environment Erika Marie Bsumek, David Kinkela, Mark Atwood Lawrence, 2013-04-02 Hardly a day passes without journalists, policymakers, academics or scientists calling attention to the worldwide scale of the environmental crisis confronting humankind While climate change has generated the greatest alarm in recent years, other global problems, desertification, toxic pollution, species extinctions, drought and deforestation, to name just a few, loom close behind The scope of the most pressing environmental problems far exceeds the capacity of individual nation states, much less smaller political entities To compound these problems, economic globalization, the growth of non-governmental activist groups and the accelerating flow of information have fundamentally transformed the geopolitical landscape Despite the new urgency of these challenges, however, they are not without historical precedent As this book shows, nation states have long sought agreements to manage migratory wildlife, just as they have negotiated conventions governing the exploitation of rivers and other bodies of water Similarly, nation states have long attempted to control resources beyond their borders to impose their standards of proper environmental exploitation on others and to draw on expertise developed elsewhere to cope with environmental problems at home This collection examines this little understood history, providing case studies and context to inform ongoing debates **American Politics and the Environment, Second Edition** Byron W. Daynes, Glen Sussman, Jonathan P. West, 2016-03-01 Changing our environmental policy has been at the forefront of many political discussions But how can we make this change come about In *American Politics and the Environment*, Second Edition, Byron W. Daynes, Glen Sussman and Jonathan P. West argue it is critical that we must understand the politics of environmental decision making and how political actors operate within political institutions Blending behavioral and institutional approaches, each chapter combines discussion of an institution along with sidebars focusing on a particular environmental topic as well as a personal profile of a key decision maker A central focus of this second edition is the emergence of global climate change as a key issue Although the scientific community can provide research findings to policy makers, politics can create conflicts, tensions and delays in the crafting of effective and necessary environmental policy responses Daynes, Sussman and West help us understand the role of politics in the policy making process and why institutional players such as the president, Congress and interest groups succeed or fail in responding to important environmental challenges This book is freely available in an open access edition thanks to Knowledge Unlatched, an initiative that provides libraries and institutions with a centralized platform to support OA collections and from leading publishing houses and OA initiatives Learn more at the Knowledge Unlatched website at <https://www.knowledgeunlatched.org> and access the book online at the SUNY Open Access Repository at <http://hdl.handle.net/20.500.12648/7128> Prospects for the American Age Prof. Jamal Sanad Al-Suwaidi, 2014 The introduction, *Power Structure in the New World Order*, Argument of the Book, highlights the main theme around which the study revolves, namely the new world order It presents the hypothesis

of the study regarding this new order along with several questions including what are the factors that indicate the coming of a new world order what are the most influential forces in that order how is that order structured and what are the most important and influential factors in the world order The introduction also presents the main premise of the book that the United States of America may be considered the dominant pole in the new world order and that the world will continue to exist in an American age that is expected to extend for at least a further five decades The qualitative supremacy of the United States of America has proven inescapable according to the data statistics and information presented in this book as well as the scales and variables of comparison adopted by the author in terms of economics military advancement energy resources transportation education culture and technological progress According to these standards the structure of the new world order may be described as a hierarchy with the United States of America alone at the top followed by a second tier comprising Russia China and the European Union a third tier consisting of Japan India and Brazil followed by the rest of world The introduction to this book may be considered a basic foundation for the analysis presented in the following seven chapters which examine the emergence current status and future of the new world order in its various dimensions Under the heading The New World Order Features and Concepts the first chapter of Al Suwaidi s new book presents a theoretical paradigm for the concept of the new world order in its various dimensions It presents two main themes the first deals with concepts relating to the world order drawing on literature that examines the evolution of the world order from the Peace of Westphalia in 1648 to the present day It also presents various different views and arguments concerning the nature of the world order and the distribution of power within it The first theme also explores the political military economic cultural educational technological and energy related dimensions of the world order and their importance in determining the relative powers of actors in the new world order Moreover it explains how the United States of America has succeeded in utilizing all these tools to achieve its ends and how it leads this world order according to a universal strategic vision aimed at maintaining US supremacy vis vis other major powers The first theme also presents an objective assessment of the different frameworks which are employed in analyzing the concept of the new world order The second theme of this chapter discusses the main features of the new world order which play a significant role in the interactions that occur within it and which define it with regard to previous historical eras of the global system Chapter II Factors Influencing the Structure of the New World Order examines the factors and patterns of influence and interaction within the world order These factors include relations among civilizations relative power in international relations economic factors military superiority technological development levels of knowledge challenges and variables and the behavior of major powers Chapter III The World Order Decisive Historic Junctures aims to draw a comprehensive analytical map to help in understanding the historical transformations of the world order and ultimately the nature of contemporary global realities The historical review presented in this chapter features an element that may make it unique it tackles the historical evolution of the world order from the

emergence of the Ottoman state in the East through the ages of the Spanish Portuguese and other empires of the West It is an effort to present a balanced scholarly chronicle of the world order without neglecting the influence of the East on international relations throughout history Chapter IV The Economy Trade and Energy in the New World Order focuses on the role of economic factors in deciding the structure of the new world order and the hierarchy of powers within it It reveals that despite the spectacular rise of the Chinese economy during the past two decades it is still about half that of the United States and China still falls within the ranks of developing countries in terms of its average GDP per capita While the US economy is characterized by flexibility and high reliance on innovation and internal forces for growth China depends on foreign investment and employing low cost labor in export oriented industries This could make China more vulnerable to adverse economic shocks in the future The author also expects that developments in the energy sector will greatly affect the ranking of powers in the new world order The United States of America will increasingly become self dependent in terms of energy utilizing its various innovations in the field of shale gas and oil extraction and its gradual shift toward unconventional energy sources from the western hemisphere the Americas giving it a strong comparative advantage in the future Chapter V Public Opinion Regarding the New World Order A Sample Survey of UAE Citizens resents the findings of a public opinion survey in the UAE concerning the new world order The survey focuses on nationality age gender and educational level as explanatory variables of differences in public opinion toward the new world order In Chapter VI Prospective Structural Changes and their Consequences for the New World Order the author discusses the potential structural strategic changes in the new world order in the coming five decades stressing that unipolarity will have a variety of impacts on the world The author anticipates that US influence in international financial institutions will increase and that over the next decade Washington will reduce its dependence on oil from regions plagued by risk and instability such as the Middle East and that this will affect US policy in such regions In Chapter VII The New World Order Future Outlook the author confirms that the new world order will be characterized by a number of features that will be important determinants of the ranking of world powers in the future including the growing importance of technologically advanced and nonconventional systems of production and communication to replace decaying conventional systems and an increasing reliance on genetic engineering cloning and nanotechnology in finding solutions to key issues such as achieving food and water security narrowing down the energy resource gap achieving breakthroughs in medicine and further developing human capabilities Other features also include increasing pressure on the capitalist system to develop in order to sustain itself In the Conclusion to the book the author suggests that the Arab region is a central arena in the world and the focus of a variety of conflicts that are of direct relevance to the prospects for the American age The author cites the Syrian crisis and the recent events in some Arab countries that have toppled long standing political regimes dating back to periods prior to the development of the new world order such as in Egypt Libya Yemen and Tunisia The author believes that in light of the obstacles to development faced by many Arab

states it is difficult to say that the near future will herald improvements in these countries circumstances particularly in light of the worsening internal crises in major Arab countries like Egypt Syria and Iraq and the strategic expansion of regional non Arab powers to fill the void left by the declining regional role of conventional Arab powers This comes alongside increasing influence for Israel which is now in the most advantageous strategic position since its creation due to the absence of any significant resistance from Arab countries which are preoccupied with internal crises or threats emanating from neighboring states The conclusion also claims that economics will not simply be a factor in the calculation of states roles and positions in the new world order but rather the central engine of change for small and mid sized powers in the new world order **The**

Americas Pascal O. Girot,2002-03-11 The Americas offers a wide ranging and original interpretaion of matters relating to territory boundaries and societies in the American continent **American Land Sovereignty Protection Act** United

States. Congress. House. Committee on Resources,1997 *The Cambridge History of America and the World: Volume 4,*

1945 to the Present David C. Engerman,Max Paul Friedman,Melani McAlister,2022-03-03 The fourth volume of The Cambridge History of America and the World examines the heights of American global power in the mid twentieth century and how challenges from at home and abroad altered the United States and its role in the world The second half of the twentieth century marked the pinnacle of American global power in economic political and cultural terms but even as it reached such heights the United States quickly faced new challenges to its power originating both domestically and internationally Highlighting cutting edge ideas from scholars from all over the world this volume anatomizes American power as well as the counters and alternatives to the American empire Topics include US economic and military power American culture overseas human rights and humanitarianism third world internationalism immigration communications technology and the Anthropocene **America in the World** Frank Costigliola,Michael J. Hogan,2013-12-23 This volume includes

historiographical surveys of American foreign relations since 1941 by some of the country s leading historians Some of the essays offer sweeping overviews of the major trends in the field of foreign international relations history Others survey the literature on US relations with particular regions of the world or on the foreign policies of presidential administrations The result is a comprehensive assessment of the historical literature on US foreign policy that highlights recent developments in the field Conservation and Environmentalism Robert C. Paehlke,2013-04-03 Focusing on both problems and solutions this

authoritative reference work maintains a healthy balance between science and the social sciences in its coverage of all aspects of the environment The book is arranged alphabetically and is divided into three major sections Ecology Pollution and Sustainability The list of 240 contributors reads like a who s who of the world s leading conservation and environmental professionals Best Reference Source Outstanding Reference Source **Conservation and Environmentalism** Robert

Paehlke,1995 Focusing on problems and solutions this authoritative reference work covers all aspects of the environment from the Everglades to the Himalayas from legislation in Australia to pollution problems in Eastern Europe from tropical rain

forests to the Porcupine Caribou herd of the Alaskan and Canadian Arctic Some of the best known environmental professionals from 14 countries around the world have written original articles for this multidisciplinary Encyclopedia including Norman Myers Eugene C Hargrove Reed F Noss Max Oelschlaeger J Baird Callicott George Sessions M S Swaminathan Gilbert F White Michael E Kraft Michael P Cohen Paul Ekins and many others BOOK JACKET Title Summary field provided by Blackwell North America Inc All Rights Reserved *American Environmentalism* J. Michael

Martinez, 2013-06-20 Protecting the natural environment and promoting sustainability have become important objectives but achieving such goals presents myriad challenges for even the most committed environmentalist *American Environmentalism* Philosophy History and Public Policy examines whether competing interests can be reconciled while developing consistent coherent effective public policy to regulate uses and protection of the natural environment without destroying the national economy It then reviews a range of possible solutions The book delves into key normative concepts that undergird American perspectives on nature by providing an overview of philosophical concepts found in the western intellectual tradition the presuppositions inherent in neoclassical economics and anthropocentric human centered and biocentric earth centered positions on sustainability It traces the evolution of attitudes about nature from the time of the Ancient Greeks through Europeans in the Middle Ages and the Renaissance the Enlightenment and the American Founders the nineteenth and twentieth centuries and up to the present Building on this foundation the author examines the political landscape as non governmental organizations NGOs industry leaders and government officials struggle to balance industrial development with environmental concerns Outrageous claims silly misrepresentations bogus arguments absurd contentions and overblown prophecies of impending calamities are bandied about by many parties on all sides of the debate industry spokespeople elected representatives unelected regulators concerned citizens and environmental NGOs alike In lieu of descending into this morass the author circumvents the silliness to explore the crucial issues through a more focused disciplined approach Rather than engage in acrimonious debate over minutiae as so often occurs in the context of green claims he recasts the issue in a way that provides a cohesive look at all sides This effort may be quixotic but how else to cut the Gordian knot **Blessing**

America First David T. Buckley, 2024-09-10 How did the Trump administration change the place of religion in U S foreign policy How did the guardrails of America s foreign policy bureaucracy respond to a populist president Drawing on firsthand experience in the State Department s Office of Religion and Global Affairs during the Obama Trump transition David T Buckley traces how the Trump administration s populism affected the foreign policy bureaucracy with significant implications for U S domestic and international politics *Blessing America First* argues that under Trump religion in U S foreign policy shifted from an implement of statecraft to a tool of populist political strategy Populism constructs ideological bounds between the people and threatening outsiders and embraces personalist governance while rejecting bureaucratic constraint This domestic political logic Buckley demonstrates influenced foreign policy decisions and reshaped bureaucratic offices in the

State Department and USAID Populism also promoted international religious ties in a surprising range of settings from Poland to India Brazil to Russia Buckley shows that the possibility of curbing these changes was limited by conditions in American democracy that predated the 2016 election including norms of nonpartisanship among career officials malleable legal institutions and polarization in public opinion A groundbreaking examination of Trump s State Department blending insider experience with original quantitative and qualitative data analysis Blessing America First draws broader lessons for understanding the relationship between religion and democracy under populist rule

American Foreign Relations

Walter L. Hixson,2015-10-08 American Foreign Relations A New Diplomatic History is a compelling narrative history of American foreign policy from the early settlement of North America to the present In addition to economic and strategic motives Walter L Hixson integrates key cultural factors including race gender and religion into the story of American foreign policy He demonstrates how these factors played a vital role in shaping the actions of the United States in world affairs Beginning with the history of warfare and diplomacy between indigenous peoples and Europeans before the establishment of the United States this book shows the formative influence of settler colonialism on the country s later foreign policy and the growth of American empire Clearly written and comprehensive the book features Extensive illustrations with over 100 images and maps Primary documents in each chapter showcasing the perspectives of historical actors Interpreting the Past features that explore how historians understanding of events has changed over time Selected bibliographies of key resources for further research in each chapter In one concise volume American Foreign Relations covers the full sweep of American foreign policy from the colonial period to the present day It is an essential introduction for anyone seeking to understand the history of America s role in the world

Environmental Change and Security Project Report ,1996

The Environment and International History Scott Kaufman,2018-12-13 Studies of the history of international relations traditionally have focused on the decisions made by those at the highest levels of government In more recent years scholars have expanded their attention to cover economic cultural or social interactions among nations What has remained largely ignored however is the impact of an increasingly interdependent world upon the environment and conversely how environmental concerns have affected the ecology social relationships economics and politics at national regional and global levels The Environment and International History fills this gap looking at the interrelationship between international politics and the environment Using a transnational and interdisciplinary approach this book examines how imperialism war and a divergence of interests between the developed and underdeveloped world all have had implications for plants animals and humans worldwide

Great Powers, Climate Change, and Global Environmental Responsibilities Robert Falkner,Barry Buzan,2022-01-10 This book is the first of its kind to examine the role of great powers in the international politics of climate change It develops a novel analytical framework for studying environmental power in international relations what counts as a great power in the environmental field and what their special environmental responsibilities are In doing so the book

connects International Relations IR debates on power inequality great powers and great power management with global environmental politics GEP scholarship The book brings together leading scholars in IR and GEP whose contributions focus on major environmental powers United States China European Union India Brazil Russia and international institutions and issue areas UN Security Council multilateral environmental agreements international climate leadership coal politics The contributors to this volume examine how individual great powers have responded to the global climate challenge and whether they have accepted a special responsibility for stabilizing the global climate They place emerging discourses on great power responsibility in the context of wider debates about international environmental leadership and climate change securitization And they provide new insights into how international power inequality intersects with the global ecological crisis and what special role great powers could and should play in the international fight against global warming

Reviewing **Environment And Diplomacy In The Americas**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Environment And Diplomacy In The Americas**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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