

# ***El Niño***

## ***HISTORY AND CRISIS***

edited by  
**Richard H. Grove**  
and  
**John Chappell**

# El Nino History And Crisis Studies Fromthe Asiapacific Region

**John A Matthews**



## **El Nino History And Crisis Studies From the Asia Pacific Region:**

El Niño, History and Crisis Richard H. Grove, John Chappell, 2000 By bringing together the latest historical and scientific studies of the El Niño and its effect on past and present civilisations this text provides descriptions of the local effects of the disastrous 1997-1998 El Niño in Papua New Guinea and in Indonesia

**El Niño in World History** Richard Grove, George Adamson, 2017-12-11 This book examines the role of the El Niño Southern Oscillation ENSO in society Throughout human history large or recurrent El Niños could cause significant disruption to societies and in some cases even contribute to political change Yet it is only now that we are coming to appreciate the significance of the phenomenon In this volume Richard Grove and George Adamson chart the dual history of El Niño as a global phenomenon capable of devastating weather extremes and since the 18th century as a developing idea in science and society The chapters trace El Niños position in world history from its role in the revolution in Australian Aboriginal Culture at 5 000 BP to the 2015-16 Godzilla event It ends with a discussion of El Niño in the current media which is as much a product of the public imagination as it is a natural process

*Sustainable Development: Asia-Pacific Perspectives* Pak Sum Low, 2022-01-13 The Asia Pacific region has been experiencing rapid development in the past 30 years and issues relating to sustainable development will become increasingly important in the coming decades This comprehensive overview presents sustainable development from the perspectives of Asia and the Pacific with contributions from more than 70 leading international experts The first part focuses on the theories and practices of sustainable development including national and regional perspectives as well as international policies and law concerning climate change The second part highlights the challenges and opportunities of sustainable development and poverty reduction amid the changing ecological social cultural economic and political environment in this region These include issues such as the importance of science for sustainable development and related areas including sustainable energy stratospheric ozone depletion climate change land use change biodiversity and disaster risk reduction The volume is an invaluable reference for all researchers and policy makers with an interest in sustainable development

El Niño A. M. Babkina, 2003 The term El Niño Spanish for the Christ Child was originally used by fishermen along the coasts of Ecuador and Peru to refer to a warm ocean current that typically appears around Christmastime and lasts for several months Fish are less abundant during these warm intervals yet in some years however the water is especially warm and the break in the fishing season persists into May or even June El Niño also brings heavy rains During the past 40 years nine El Niños have affected the South American coast Most of them raised water temperatures not only along the coast but also at the Galapagos islands and in a belt stretching 5000 miles across the equatorial Pacific The weaker events raised sea temperatures only by one to two degrees Fahrenheit but the strong ones like the El Niño of 1982-83 left an imprint not only upon the local weather and marine life but also on climatic conditions around the globe This book includes a detailed overview and bibliography with complete title author and subject indexes

Encyclopedia of Environmental Change John A Matthews, 2013-12-13 Accessibly written

by a team of international authors the Encyclopedia of Environmental Change provides a gateway to the complex facts concepts techniques methodology and philosophy of environmental change This three volume set illustrates and examines topics within this dynamic and rapidly changing interdisciplinary field The encyclopedia includes all of the following aspects of environmental change Diverse evidence of environmental change including climate change and changes on land and in the oceans Underlying natural and anthropogenic causes and mechanisms Wide ranging local regional and global impacts from the polar regions to the tropics Responses of geo ecosystems and human environmental systems in the face of past present and future environmental change Approaches methodologies and techniques used for reconstructing dating monitoring modelling projecting and predicting change Social economic and political dimensions of environmental issues environmental conservation and management and environmental policy Over 4 000 entries explore the following key themes and more Conservation Demographic change Environmental management Environmental policy Environmental security Food security Glaciation Green Revolution Human impact on environment Industrialization Landuse change Military impacts on environment Mining and mining impacts Nuclear energy Pollution Renewable resources Solar energy Sustainability Tourism Trade Water resources Water security Wildlife conservation The comprehensive coverage of terminology includes layers of entries ranging from one line definitions to short essays making this an invaluable companion for any student of physical geography environmental geography or environmental sciences

**Trade and Poverty** Jeffrey G. Williamson, 2013-01-11

How the rise of globalization over the past two centuries helps explain the income gap between rich and poor countries today Today s wide economic gap between the postindustrial countries of the West and the poorer countries of the third world is not new Fifty years ago the world economic order two hundred years in the making was already characterized by a vast difference in per capita income between rich and poor countries and by the fact that poor countries exported commodities agricultural or mineral products while rich countries exported manufactured products In Trade and Poverty leading economic historian Jeffrey G Williamson traces the great divergence between the third world and the West to this nexus of trade commodity specialization and poverty Analyzing the role of specialization de industrialization and commodity price volatility with econometrics and case studies of India Ottoman Turkey and Mexico Williamson demonstrates why the close correlation between trade and poverty emerged Globalization and the great divergence were causally related and thus the rise of globalization over the past two centuries helps account for the income gap between rich and poor countries today

**Modern Crises and Traditional Strategies** Roy Ellen, 2007-07-01 The 1990s have seen a growing interest in the role of local ecological knowledge in the context of sustainable development and particularly in providing a set of responses to which populations may resort in times of political economic and environmental instability The period 1996 2003 in island southeast Asia represents a critical test case for understanding how this might work The key issues explored in this book are the creation erosion and transmission of ecological knowledge and hybridization between traditional and scientifically based

knowledge amongst populations facing environmental stress e g 1997 El Ni o political conflict and economic hazards The book will also evaluate positive examples of how traditional knowledge has enabled local populations to cope with these kinds of insecurity      Environmental Change and Human Development Chris Barrow, 2014-04-04 Environmental Change and Human Development focuses on environmental change and human fortunes While there is a large and rapidly expanding literature dealing with how people affect the environment less attention has been given in recent years to how the environment shapes human development In an ever more crowded world there is a need for anticipatory environmental management and a crucial input to this is consideration of the interaction between environment and humans The environment is not as stable benign or controllable as people like to think The world population is vastly larger than it has ever been and is still growing and humans increasingly upset nature through pollution and other activities While modern communications may help environmental managers rapid travel also increases the dispersal of diseases and pests Technological advance and social development is not all beneficial some innovations have the effect of making people more vulnerable to disruption by natural disaster and citizens are often less able to cope with changed conditions than people were in the past Environmental Change and Human Development addresses key issues such as soil degradation natural climatic variations and volcanic activity and provides geography and earth sciences students with an essential introduction to the major debates surrounding this topic      *The Physical Geography of Southeast Asia* Avijit Gupta, 2005-02-24 The Physical Geography of Southeast Asia examines the complex mosaic of physical environments which comprise Southeast Asia and the current environmental problems and management practices which have arisen in this part of the world The book is in three sections The first section introduces the basic environmental components geology landforms rivers vegetation and others across the entire region The second section discusses specific environments that are characteristic of this assemblage of continental and maritime landscapes volcanic islands coastal environment granitic terrains karst etc The third and final section illustrates the ecological relationship between the environment and people volcanic hazards urban environment coastal zone development coral reefs and others The physical environment of Southeast Asia is examined at different levels covering a world region that ranges from ancient stable landmasses to dynamic unstable plate boundaries from aged primary rainforests to brash vibrant resource demanding built environments Southeast Asia has been perceived as a laboratory for studying plate tectonics It is an assemblage of large river basins peninsulas and archipelagos and seas surrounded by islands It is an area of great physical variations where parts of the physical environment have been significantly degraded anthropogenically following rapid population growth and development In large parts of the region the forms and processes on land and offshore should no longer be seen as entirely natural As this book repeatedly illustrates plate tectonics and people are both important contributors to the physical geography of Southeast Asia The contributors to this volume are distinguished scholars and have a long association with Southeast Asia The chapters are not only skilfully built on state of

the art research findings but also include new material from the on going research activities of the authors The book goes beyond being the first comprehensive and detailed volume of the biophysical geography of Southeast Asia in that it also deals with the tropical environment and the relationship between environment and people in a rapidly developing world region

Australia, New Zealand, and the Pacific Donald S. Garden, 2005-08-19 A fascinating study of the environmental history of Australia New Zealand and the islands of the Pacific from the time of the dinosaurs to the present day Of interest to students and academics alike this book provides a much needed synthesis of the recent literature on the environmental history of Australia and Oceania Part of ABC CLIO's Nature and Human Societies series this book maps out the key trends in the region's environmental history charting the creation of the Australian continent from the ancient land mass of Gondwanaland to the arrival of humans Especially fascinating are the chapters highlighting how successive waves of human migration created environmental havoc throughout the region leading to the collapse of the Easter Island civilization and the spread of nonindigenous flora and fauna From the controversies over the reasons why creatures such as the marsupial lion and the giant kangaroo became extinct to such contemporary problems as deforestation and global warming this book contains sobering lessons for us all

**Modern Crises and Traditional Strategies** R. F. Ellen, 2007 The 1990s have seen a growing interest in the role of local ecological knowledge in the context of sustainable development and particularly in providing a set of responses to which populations may resort in times of political economic and environmental instability The period 1996-2003 in island southeast Asia represents a critical test case for understanding how this might work The key issues explored in this book are the creation erosion and transmission of ecological knowledge and hybridization between traditional and scientifically based knowledge amongst populations facing environmental stress e.g. 1997 El Niño political conflict and economic hazards The book will also evaluate positive examples of how traditional knowledge has enabled local populations to cope with these kinds of insecurity

**Developments in the Asian Rice Economy** M. Sombilla, Mahabub Hossain, B. Hardy, 2002

In their Time of Need: Volume 6, The Official History of Australian Peacekeeping, Humanitarian and Post-Cold War Operations Steven Bullard, 2017-08-04 This volume of The Official History of Australian Peacekeeping Humanitarian and Post Cold War Operations recounts the activities of Australia's military forces in response to overseas natural disasters The military's involvement in overseas emergency management is focused primarily on the period immediately after disaster strikes transporting relief supplies providing medical assistance restoring basic services and communications and other logistical support Beginning with the 1917-18 influenza epidemic that ravaged the Pacific and culminating with the 2005 Pakistan earthquake this book covers Australia's response to some of the most catastrophic natural events of the twentieth century In their Time of Need is richly detailed as Steven Bullard weaves together official government records and archival images with the personal narratives and photographs of those who served This volume is an authoritative and compelling history of Australia's efforts to help their neighbours

*Droughts, Floods, and Global Climatic*

*Anomalies in the Indian Ocean World* Philip Gooding, 2022-05-23 This book explores histories of droughts and floods in the Indian Ocean World and their connections to broader global climatic anomalies It deploys an interdisciplinary approach rooted in the emerging field of climate history to investigate the multifaceted effects of global climatic anomalies on regions affected by the Indian Ocean Monsoon System regularly conceived of as the macro region s deep structure Case studies explore how droughts and floods related to anomalous climatic conditions have historically affected states societies and ecologies across the Indian Ocean World including in relation to food security epidemic diseases political instability economic change infrastructural development colonialism capitalism and scientific knowledge Tracing long duration patterns from the twelfth to the early twentieth centuries this book makes a significant contribution to our understanding of global climatic events and their effects on the Indian Ocean World It highlights essential historical case studies for contextualizing the potential effects of global warming on the macro region in the present and future **Environmental and Climate**

**Change in South and Southeast Asia**, 2014-08-07 Based on pioneering research this volume on South and Southeast Asia offers a cultural studies perspective on the vast and largely uncharted domain of how local cultures are coping with climate changes and environmental crises The primary focus is on three countries that have high emission rates India Indonesia and Thailand Whereas the dominant discourse on climate largely reflects the view of Western cultures this volume adds indigenous views and practices that provide insight into Hindu Buddhist and Islamic responses Making use of textual materials fieldwork and analyses it highlights the close links between climate solutions forms of knowledge and the various socio cultural and political practices and agencies within societies The volume demonstrates that climate is global and plural Contributors are Monika Arnez Somnath Batabyal Joachim Betz Susan M Darlington Dennis Eucker Rüdiger Haum Albertina Nugteren Marcus Nüsser Ravi Baghel Martin Seeger and Janice Stargardt **Empire and Environmental Anxiety** J.

Beattie, 2011-05-25 A new interpretation of imperialism and environmental change and the anxieties imperialism generated through environmental transformation and interaction with unknown landscapes Tying together South Asia and Australasia this book demonstrates how environmental anxieties led to increasing state resource management conservation and urban reform The Colonization of Unfamiliar Landscapes Marcy Rockman, James Steele, 2003-12-08 A series of case studies examines the archaeological evidence for and interpretations of landscape learning from the movement of the first pre modern humans into Europe to the English colonists at Jamestown

Climate Change and the Creative Economy in India Pragya Sharma, 2025-03-07 Weaving has been a significant aspect of India s cultural and economic history Climate change is increasingly affecting crucial relationships within the weaver communities This book explores the dialectical relationship between the craft of weaving and the changing climate Exploring questions of how climate variabilities are affecting local geographies and weaving ecosystems the book discusses case studies of creative economy clusters in India The author employs ethnographic fieldwork to share lived and embodied experiences of climate change This concise book will be useful

reading to scholars researchers and students with an interest in the creative and cultural industries and how these intersect with environmental issues and climate change

**Tracing Early Agriculture in the Highlands of New Guinea** Tim Denham, 2018-06-28 In this book historical narratives chart how people created forms of agriculture in the highlands of New Guinea and how these practices were transformed through time The intention is twofold to clearly establish New Guinea as a region of early agricultural development and plant domestication and to develop a contingent practice based interpretation of early agriculture that has broader application to other regions of the world The multi disciplinary record from the highlands has the potential to challenge and change long held assumptions regarding early agriculture globally which are usually based on domestication Early agriculture in the highlands is charted by an exposition of the practices of plant exploitation and cultivation Practices are ontologically prior because they ultimately produce the phenotypic and genotypic changes in plant species characterised as domestication as well as the social and environmental transformations associated with agriculture They are also methodologically prior because they emplace plants in specific historico geographic contexts

Policy Making and Implementation Ronald James May, 2009-09-01 There is a vast literature on the principles of public administration and good governance and no shortage of theoreticians practitioners and donors eager to push for public sector reform especially in less developed countries Papua New Guinea has had its share of public sector reforms frequently under the influence of multinational agencies and aid donors Yet there seems to be a general consensus both within and outside Papua New Guinea that policy making and implementation have fallen short of expectations that there has been a failure to achieve good governance This volume which brings together a number of Papua New Guinean and Australian based scholars and practitioners with deep familiarity of policy making in Papua New Guinea examines the record of policy making and implementation in Papua New Guinea since independence It reviews the history of public sector reform in Papua New Guinea and provides case studies of policy making and implementation in a number of areas including the economy agriculture mineral development health education lands environment forestry decentralization law and order defence women and foreign affairs privatization and AIDS Policy is continuously evolving but this study documents the processes of policy making and implementation over a number of years with the hope that a better understanding of past successes and failures will contribute to improved governance in the future



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## **Table of Contents El Nino History And Crisis Studies From the Asiatic Region**

1. Understanding the eBook El Nino History And Crisis Studies From the Asiatic Region
  - The Rise of Digital Reading El Nino History And Crisis Studies From the Asiatic Region
  - Advantages of eBooks Over Traditional Books
2. Identifying El Nino History And Crisis Studies From the Asiatic Region
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an El Nino History And Crisis Studies From the Asiatic Region
  - User-Friendly Interface
4. Exploring eBook Recommendations from El Nino History And Crisis Studies From the Asiatic Region
  - Personalized Recommendations
  - El Nino History And Crisis Studies From the Asiatic Region User Reviews and Ratings
  - El Nino History And Crisis Studies From the Asiatic Region and Bestseller Lists
5. Accessing El Nino History And Crisis Studies From the Asiatic Region Free and Paid eBooks
  - El Nino History And Crisis Studies From the Asiatic Region Public Domain eBooks
  - El Nino History And Crisis Studies From the Asiatic Region eBook Subscription Services
  - El Nino History And Crisis Studies From the Asiatic Region Budget-Friendly Options

6. Navigating El Nino History And Crisis Studies Fromthe Asiapacific Region eBook Formats
  - ePub, PDF, MOBI, and More
  - El Nino History And Crisis Studies Fromthe Asiapacific Region Compatibility with Devices
  - El Nino History And Crisis Studies Fromthe Asiapacific Region Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Highlighting and Note-Taking El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Interactive Elements El Nino History And Crisis Studies Fromthe Asiapacific Region
8. Staying Engaged with El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers El Nino History And Crisis Studies Fromthe Asiapacific Region
9. Balancing eBooks and Physical Books El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection El Nino History And Crisis Studies Fromthe Asiapacific Region
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Setting Reading Goals El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Fact-Checking eBook Content of El Nino History And Crisis Studies Fromthe Asiapacific Region
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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