

Transforming Climate Finance And Green Investment

Transforming Climate Finance and Green Investment with Blockchains establishes and analyzes the connection between this revolutionary technology and global efforts to combat climate change. The benefits of blockchain come through various profound alterations, such as the adoption of smart contracts that are set to redefine governance and regulatory structures and transaction systems in coming decades. Each chapter contains a problem statement that describes the challenges blockchain technology can address. The book brings together original visions and insights from global members of the Blockchain Climate Institute, comprising thought leaders, financial professionals, international development practitioners, technology entrepreneurs, and more. This book will help readers understand blockchain technology and how it can facilitate the implementation of the Paris Agreement and accelerate the global transition to a green economy. Provides an authoritative examination of this emerging digital technology and its implications on global climate change governance Includes detailed proposals and thorough discussions of implementation issues that are specific to green economy sectors Relates innovative proposals to existing applications to demonstrate the value add of blockchain technology Covers blockchain for the smarter energy sector, for fraud-free emissions management, to streamline climate investments, and legal frameworks for blockchain-based climate finance

This book examines changing gender roles, relations and hierarchies in an ethnic minority community in Central Viet Nam. After decades of war, the community continued its self-sufficient way of life in this remote forested mountainous region, but in recent years has been forced to respond to severe climate threats combined with sudden and destabilizing socioeconomic and regulatory change. Through the use of both qualitative (interview-based) and quantitative research methods, the book offers insights into the complex interactions between climate, regulatory and socioeconomic changes – including, paradoxically, the emergence of significant problems for both the community and the environment in the wake of policies designed to protect the natural environment. Facing greatly increased food and livelihood insecurity, the women and men of the community were pushed into the mainstream market economy without being fully prepared to participate in an economy that is still very new to them. These sudden transitions caused major shifts in gender roles and hierarchies, opening up new possibilities for women to increase their social status in a highly patriarchal context, but also at a cost for both women and men as women's burdens increased and men's traditional roles and livelihoods were lost. The book examines recent trends, including unanticipated changes and new possible policy-related approaches, and draws international comparisons with other ethnic minority, indigenous and remote communities facing similar complex forces of change. This book will be of interest to scholars and postgraduate students of climate change, gender, environment, and public policy and development studies.

Depth Psychology and Climate Change offers a sensitive and insightful look at how ideas from depth psychology can move us beyond psychological overwhelm when facing the ecological disaster of climate change and its denial. Integrating ideas from disciplines including anthropology, politics, spirituality, mythology and philosophy, contributors consider how climate change affects psychological well-being and how we

can place hope and radical uncertainty alongside rage and despair. The book explores symbols of transformation, myths and futures; and is structured to encourage regular reflection. Each contributor brings their own perspective – green politics, change and loss, climate change denial, consumerism and our connection to nature – suggesting responses to mental suffering arising from an unstable and uncertain international outlook. They examine how subsequent changes in consciousness can develop. This book will be essential reading for analytical psychologists, Jungian analysts and psychotherapists, as well as academics and students of Jungian and post-Jungian studies. It will also be of great interest to academics and students of the politics and policy of climate change, anthropology, myth and symbolism and ecopsychology, and to anyone seeking a new perspective on the climate emergency.

Climate change is one of the major challenges of modern times. Its impacts are manifold and vary from sea level rise (especially relevant to those living in coastal areas), to the increased frequency of extreme events such as cyclones and storm surges, which not only poses problems to property and infrastructure, but also to human health. Climate change is also associated with damages to the physical and natural environment, as well as to biodiversity. According to the 5th Assessment Report produced by the Inter-Governmental Panel on Climate Change (IPCC), many geographical regions across the world are moderately or highly vulnerable to climate change, whose impacts may be further exacerbated by other human-induced pressures. The above state of affairs illustrates the need for a better and more holistic understanding of how climate change affects countries and regions on the one hand, but also on how the many problems it causes may be managed on the other, vis-a-vis a better ability to adapt. There is also a perceived need to showcase successful examples of how to duly address and manage the many social, economic and political problems posed by climate change around the world, in order to replicate and even upscale the successful ones. It is against this background that the Handbook of Climate Change Management has been produced. It contains papers prepared by scholars, social movements, practitioners and members of governmental agencies, undertaking research and/or executing climate change projects, and working with communities across all geographical regions. The Handbook focuses on "Research, Leadership, Transformation," meaning that it serves the purpose of showcasing the role these key areas play in respect of applied research, field projects and best practices to foster climate change adaptation worldwide.

Standing up for a Sustainable World

Transforming Streets to Address Climate Change

Green Transformation and Development

Voices of Change

Decent Work, Green Jobs and the Sustainable Economy

How Climate Change Panic Costs Us Trillions, Hurts the Poor, and Fails to Fix the Planet

Depth Psychology and Climate Change

Adaptation Urbanism and Resilient Communities outlines and explains adaptation urbanism as a theoretical framework for understanding and evaluating resilience projects in cities and relates it to pressing contemporary policy issues related to urban climate change mitigation and adaptation. Through a series of detailed case studies, this book uncovers the promise and tensions of a new

wave of resilient communities in Europe (Copenhagen, Rotterdam, and London), and the United States (New Orleans and South Florida). In addition, best practice projects in Amsterdam, Barcelona, Delft, Utrecht, and Vancouver are examined. The authors highlight how these communities are reinventing the role of streets and connecting public spaces in adapting to and mitigating climate change through green/blue infrastructure planning, maintaining and enhancing sustainable transportation options, and struggling to ensure equitable development for all residents. The case studies demonstrate that while there are some more universal aspects to encouraging adaptation urbanism, there are also important local characteristics that need to be both acknowledged and celebrated to help local communities thrive in the era of climate change. The book also provides key policy lessons and a roadmap for future research in adaptation urbanism. Advancing resilience policy discourse through multidisciplinary framework this work will be of great interest to students of urban planning, geography, transportation, landscape architecture, and environmental studies, as well as resilience practitioners around the world. This book takes an innovative approach to studying international climate governance by providing a critical analysis of climate leadership, pioneership and followership across the globe. The volume assesses the interactions between climate leaders, pioneers and followers, across multilevel and/or polycentric climate governance contexts. Examining the state and sub-state levels in both the Global South and Global North, as well as regional, supranational EU and international climate governance levels, the authors explore 16 countries across Asia, Australasia, Europe, and Central and North America, plus the European Union. Each chapter employs a comprehensive and consistent framework for analyzing leadership and pioneership, as well as followership. The findings provide new insights into the strategies and actions of sub-state, state-level, and supranational leaders and pioneers. This book will be of key interest to scholars, students and practitioners in environmental politics and climate change governance, as well as those interested in political elites, EU studies and, more broadly, comparative politics and international relations. This bold and important new book presents current and emerging thinking on the social dimensions of climate change. Using clear language and powerful examples, it introduces key concepts and frameworks for understanding the multifaceted connections between climate and society. Robin Leichenko and Karen O'Brien frame climate change as a social issue that calls for integrative approaches to research, policy, and action. They explore dominant and relevant discourses on the social drivers and impacts of climate change, highlighting the important roles that worldviews and beliefs play in shaping responses to climate challenges. Situating climate change within the context of a rapidly changing world, the book demonstrates how dynamic political, economic, and environmental contexts amplify risks yet also present opportunities for transformative responses. Aimed at undergraduate students and others concerned with a critical challenge of our time, this informative and engaging book empowers readers with a range of possibilities for equitable and sustainable transformations in a changing climate.

The start of the new millennium will be remembered for deadly climate-related disasters—the great floods in Thailand in 2011, Super Storm Sandy in the United States in 2012, and Typhoon Haiyan in the Philippines in 2013, to name a few. In 2014, 17.5 million people were displaced by climate-related disasters, ten times more than the 1.7 million displaced by geophysical hazards. What is causing the increase in natural disasters and what effect does it have on the economy? *Climate Change and Natural Disasters* sends three messages: human-made factors exert a growing influence on climate-related disasters; because of the link to anthropogenic factors, there is a pressing need for climate mitigation; and prevention, including climate adaptation, ought not to be viewed as a cost to economic growth but as an investment. Ultimately, attention to climate-related disasters, arguably the most tangible manifestation of global warming, may help mobilize broader climate action. It can also be instrumental in transitioning to a path of low-carbon, green growth, improving disaster resilience, improving natural resource use, and caring for the urban environment. Vinod Thomas proposes that economic growth will become sustainable only if

governments, political actors, and local communities combine natural disaster prevention and controlling climate change into national growth strategies. When considering all types of capital, particularly human capital, climate action can drive economic growth, rather than hinder it.
Transformation Of The European Union, The: The Impact Of Climate Change In European Policies

Transforming Markets in the Built Environment

Health, Shelter and Climate Change

Carbon Governance, Climate Change and Business Transformation

The Oxford Handbook of Climate Change and Society

Financing the Green Transformation

Transforming the Future

Climate change poses multiple challenges to development. It affects lives and livelihoods, infrastructure and institutions, as well as beliefs, cultures and identities. There is a growing recognition that the social dimensions of vulnerability and adaptation now need to move to the forefront of development policies and practices. This book presents case studies showing that climate change is as much a problem of development as for development, with many of the risks closely linked to past, present and future development pathways. Development policies and practices can play a key role in addressing climate change, but it is critical to question to what extent such actions and interventions reproduce, rather than address, the social and political structures and development pathways driving vulnerability. The chapters emphasise that adaptation is about much more than a set of projects or interventions to reduce specific impacts of climate change; it is about living with change while also transforming the processes that contribute to vulnerability in the first place. This book will help students in the field of climate change and development to make sense of adaptation as a social process, and it will provide practitioners, policymakers and researchers working at the interface between climate change and development with useful insights for approaching adaptation as part of a larger transformation to sustainability.

Explores challenges for developing and emerging economies for enhancing green financing for sustainable, low-carbon investment, looking at Indonesia. Based on surveys in the Indonesian banking and corporate sectors and expert interviews, it devises innovative policy recommendations to develop a framework conducive to fostering green investments.

What does successful adaptation look like? This is a question we are frequently asked by planners, policy makers and other professionals charged with the task of developing and implementing adaptation strategies. While adaptation is increasingly recognized as an important climate risk management strategy, and on-the-ground adaptation planning activity is becoming more common-place, there is no clear guidance as to what success would look like, what to aim for and how to judge progress. This edited volume makes significant progress toward unpacking the question of successful adaptation, offering both scientifically informed and practice-relevant answers from various sectors and regions of the world. It brings together 18 chapters from leading experts within the field to present careful analyses of different cases and situations, questioning throughout commonly avowed truisms and unspoken assumptions that have pervaded climate adaptation science and practice to date. This book offers not one answer but demonstrates how the question of success in important ways is normative and context specific. It identifies the various dimensions of success, such as economic, political, institutional, ecological, and social, explores the tensions between them, and compiles encouraging evidence that resolutions can be found. The book appraises how climatic and non-climatic stressors play a role, what role science does and can play in adaptation decision making, and how trade-offs and other concerns and priorities shape adaptation planning and implementation on the ground. This is timely interdisciplinary text sheds light on key issues that arise in on-the-ground adaptation to climate change. It bridges the gap between science and practical application of successful adaptation strategies and will be of interest to both students, academics and practitioners.

The New York Times-bestselling "skeptical environmentalist" argues that panic over climate change is causing more harm than good Hurricanes batter our coasts. Wildfires rage across the American West.

Glaciers collapse in the Arctic. Politicians, activists, and the media espouse a common message: climate change is destroying the planet, and we must take drastic action immediately to stop it. Children panic about their future, and adults wonder if it is even ethical to bring new life into the world. Enough, argues bestselling author Bjorn Lomborg. Climate change is real, but it's not the apocalyptic threat that we've been told it is. Projections of Earth's imminent demise are based on bad science and even worse economics. In panic, world leaders have committed to wildly expensive but largely ineffective policies that hamper growth and crowd out more pressing investments in human capital, from immunization to education. *False Alarm* will convince you that everything you think about climate change is wrong -- and points the way toward making the world a vastly better, if slightly warmer, place for us all.

False Alarm

Climate Change, Gender Roles and Hierarchies

The Urban Transformation

Climate Change and Natural Disasters

Handbook of Research on Climate Change and the Sustainable Financial Sector

Using Financial Innovation and Technology to Expand Green Bond Issuance in Latin America and the Caribbean

Successful Adaptation to Climate Change

Interdisciplinarity and Climate Change is a major new book addressing one of the most challenging questions of our time. Its unique standpoint is based on the recognition that effective and coherent interdisciplinarity is necessary to deal with the issue of climate change, and the multitude of linked phenomena which both constitute and connect to it. In the opening chapter, Roy Bhaskar makes use of the extensive resources of critical realism to articulate a comprehensive framework for multidisciplinary, interdisciplinarity, transdisciplinarity and cross-disciplinary understanding, one which duly takes account of ontological as well as epistemological considerations. Many of the subsequent chapters seek to show how this general approach can be used to make intellectual sense of the complex phenomena in and around the issue of climate change, including our response to it. Among the issues discussed, in a number of graphic and compelling studies, by a range of distinguished contributors, both activists and scholars, are: The dangers of reducing all environmental, energy and climate gas issues to questions of carbon dioxide emissions The problems of integrating natural and social scientific work and the perils of monodisciplinary tunnel vision The consequences of the neglect of issues of consumption in climate policy The desirability of a care-based ethics and of the integration of cultural considerations into climate policy The problem of relating theoretical knowledge to practical action in contemporary democratic societies *Interdisciplinarity and Climate Change* is essential reading for all serious students of the fight against climate change, the interactions between governmental bodies, and critical realism.

Climate change presents perhaps the most profound challenge ever confronted by human society. This volume is a definitive analysis drawing on the best thinking on questions of how climate change affects human systems, and how societies can, do, and should respond. Key topics covered include the history of the issues, social and political reception of climate science, the denial of that science by individuals and organized interests, the nature of the social disruptions caused by climate change, the economics of those disruptions and possible responses to them, questions of human security and social justice, obligations to future generations, policy instruments for reducing greenhouse gas emissions, and governance at local, regional, national, international, and global levels.

The EU has undergone a deep transformation in the last 25 years. The goals adopted by the EU at the international level in climate negotiations have led to the internal adoption of goals by the EU member states. The book examines the changes experienced by the European Union that have gone on in parallel to its leadership in climate negotiations since 1992 and analyses whether combating climate change has contributed to the transformation of European

policies. The book takes an in-depth look at the greenhouse gases (GHG) emissions reduction goals adopted by European states, the leadership of the EU in climate negotiations, the creation of the Energy Union, the commitment to a model of sustainable development, the promotion of a circular economy and the enhancement of cities, as relevant actors in the reduction of emissions and boosting of sound environmental practices.

This book offers an insiders' view into Chinese plans for a green transformation of the economy of China. Analyzing the pressures, drive, and resistance to this green transformation in China, the book explores the key fields, from green finance and green banking to green consumption and green urbanization. Furthermore, it offers a guide on how government officials will be penalized or rewarded for their successful furtherance of green objectives. This book will be of interest to climate activists, China watchers, architects, and all those invested in a sustainable future.

Local Action on Climate Change

Opportunities and Constraints

Adaptation to Climate Change

Governing Climate Change

Climate Change, Human Impact and Green Energy Transformation

Environmental governance towards climate and sustainability transitions

Handbook of Environmental and Sustainable Finance

This book indicates the most optimal solutions for the growing civilization problem related to climate change that takes place more and more rapidly on our planet. It is divided into two parts: In the first part, the authors - based on the available analyses and reports on climate change taking place on Earth - present their own point of view in relation to the above issue, while trying to find answers to the following questions: · Why is it so difficult to admit that humans are responsible for the ongoing climate change? · Will climate change destroy life on Earth? · Can science and modern technologies stop this process? In the second part of the book, the authors propose a solution for the advancing climate change, regarding the reduction of CO2 emissions coming mainly from the energy sector. On the basis of scientific achievements and implementations of research institutions in Poland, especially the Institute of Fluid-Flow Machinery of the Polish Academy of Sciences in Gdansk, the book proposes directions of development of the energy transformation in Poland and other countries for which fossil fuels currently make a large contribution to the energy production process and are the main emitter of CO2 to the atmosphere. The book is addressed to citizens, ecologists, climatologists as well as politicians and experts responsible for shaping the climate and energy policy of the country level and also the world.

#1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology, engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero

emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

The impacts of climate change are already being felt. Learning how to live with these impacts is a priority for human development. In this context, it is too easy to see adaptation as a narrowly defensive task – protecting core assets or functions from the risks of climate change. A more profound engagement, which sees climate change risks as a product and driver of social as well as natural systems, and their interaction, is called for. Adaptation to Climate Change argues that, without care, adaptive actions can deny the deeper political and cultural roots that call for significant change in social and political relations if human vulnerability to climate change associated risk is to be reduced. This book presents a framework for making sense of the range of choices facing humanity, structured around resilience (stability), transition (incremental social change and the exercising of existing rights) and transformation (new rights claims and changes in political regimes). The resilience-transition-transformation framework is supported by three detailed case study chapters. These also illustrate the diversity of contexts where adaptation is unfolding, from organizations to urban governance and the national polity. This text is the first comprehensive analysis of the social dimensions to climate change adaptation. Clearly written in an engaging style, it provides detailed theoretical and empirical chapters and serves as an invaluable reference for undergraduate and postgraduate students interested in climate change, geography and development studies.

Climate change is a major problem, generating both risks and opportunities that will have a direct impact on the economy and the financial sector. In recent years, climate change has threatened both the survival of the financial system and economic development. The growing occurrence of extreme climate events combined with the imprudent nature of economic growth can cause unsustainable levels of harm to the financial sectors. On the other hand, it presents a range of new business challenges. In contrast to the most evident physical risks, companies are vulnerable to transformational risks that arise from the reaction of society to climate change, such as technological change, regulation and markets that can boost the cost of doing

business, threats to the profitability of existing goods, or effects on the value of the asset. Climate change also offers new business opportunities, and it has made research in the context of a sustainable financial sector indispensable. The Handbook of Research on Climate Change and the Sustainable Financial Sector focuses on the impacts of climate change on various sectors of the world economy. This book covers how businesses can improve their sustainability, the impact of climate change on the financial sector, and specifically, the impacts on financial services, supply chains, and the socio-economic status of the world. Beyond focusing on the impacts to the financial industry itself, this book assesses how climate change in the financial sector affects the well-being of society in areas such as unemployment, economic recessions, decreases in consumer purchases, and more. This book is essential for stockbrokers, business managers, directors, fund managers, financial analysts, consultants and actuaries, institutional investors, policymakers, practitioners, researchers, academicians, and students interested in a comprehensive view of the impact of climate change on the financial sector.

From Actions to Transformations

How to Avoid a Climate Disaster

Polycentricity in Action?

Adapting to Climate Change

Global Aspects of Sustainable Finance in Times of Crises

Climate Capitalism

Climate Finance Provided and Mobilised by Developed Countries in 2013–18

"This book, with its theoretical and empirical perspectives, discusses contemporary issues regarding sustainable finance in light of crises especially the Covid-19 pandemic and the climate crisis"--

World's foremost experts explain how polycentric thinking can enhance societal attempts to govern climate change, for researchers, practitioners, advanced students. This title is also available as Open Access.

Environmental Resilience and Transformation in Times of COVID-19: Climate Change Effects on Environmental Functionality is a timely reference to better understand environmental changes amid the COVID-19 pandemic and the associated lockdowns. The book is organized into five themes: (1) environmental modifications, degradation, and human health risks; (2) water resources—planning, management, and governance; (3) air quality—monitoring, fate, transport, and drivers of socioenvironmental change; (4) marine and lacustrine environment; and (5) sustainable development goals and environmental justice. These themes provide an insight into the impact of COVID-19 on the environment and vice versa, which will help improve environmental management and planning, as well as influence future policies. Featuring many case studies from around the globe, this book offers a crucial examination of the intersectionality between climate, sustainability, the environment, and public health for researchers, practitioners, and policymakers in environmental science. Features global case studies to illustrate themes and address issues to support environmental management Offers fundamental and

practical understanding of ways to improve and validate predictive abilities and tools in addition to response Examines climate-related trends in the spread of the pandemic Presents different ways forward in order to achieve global goals with a specific focus on SDGs

There is an urgent need to build human capacity to make the often vulnerable and exposed buildings and communities we live and work in more resilient to the changing social, economic and physical environments around us. Extensive research has been done over the last decades on both mitigation and adaptation to climate change in the built environment, but the outputs of much of this research have failed to result in the wider uptake of effective greenhouse gas emission reduction solutions. This volume introduces credible 'fresh thinking' on how this may be done. For the first time an emerging generation of research is brought together that is directly concerned with understanding, influencing and leading the transformation of markets and thinking in the built environment. Chapters cover: defining values setting targets consumer motivation selling existing ideas better developing new design principles, paradigms and programmes optimizing solutions to ensure that when change does happen, it does so in the right direction. Papers are contributed by leading experts in fields ranging from philosophy, the social, political and physical sciences, engineering, architecture, mathematics and complexity science. The resulting volume will be essential reading for all those involved with changing the mindsets of a generation on the need to, and ways to, build resilience to rapid change and transforming markets in the built environment.

Climate and Society

Transforming Economies and Policies for a Sustainable Future

Environmental Resilience and Transformation in times of COVID-19

Climate Governance across the Globe

Climate Change Adaptation and Development

Cities on a Finite Planet

The Solutions We Have and the Breakthroughs We Need

This report is an update with 2018 figures to the previous publication Climate Finance Provided and Mobilised by Developed Countries in 2013-17. It provides insights on the evolution of the following four components of climate finance over the period of 2013-2018: bilateral public climate finance, multilateral climate finance (attributed to developed countries), climate-related officially supported export credits, and private finance mobilised by developed countries public finance interventions. Building on past work, the report deepens the analysis by providing not only aggregate figures but also a further breakdown in terms of recipients and characteristics of climate finance commitments.

There is widespread consensus in the international scientific community that climate change is happening and that abrupt and irreversible impacts are already set in motion. What part does education have to play in helping alleviate rampant climate change and in mitigating its worst effects? In this volume, contributors review and reflect upon social learning from and within their fields of educational expertise in response to the concerns over climate change. They address the contributions the field is currently making to help preempt and mitigate the environmental and social impacts of climate change, as well as how it will continue to respond to the ever changing climate

situation. With a special foreword by Desmond Tutu, Archbishop Emeritus of Cape Town.

Despite exhibiting remarkable growth, the green bond market still represents less than 1 percent of the global bond market. This paper identifies two challenges that might slow the adoption of green bonds and presents a menu of responses that policymakers, regulators, and public financial institutions can use to offset these challenges.

Specifically, it explores two key dimensions: (i) the risk profile of the green bond instrument and (ii) the transaction costs associated with issuance of and reporting on green bonds. New approaches to risk design and technology-based approaches are essential to untap the potential of green bond markets, particularly in Latin America and the Caribbean and other developing regions. The incorporation of financial mechanisms such as covered bonds and guarantees can adequately address the risk of the issues, making the market more attractive for investors. Enhanced regulation and education and leveraging efficiencies of new technologies such as distributed ledger technologies can substantially reduce monitoring and reporting costs, while improving transparency in the use of proceeds and market integrity.

Explores how we should react to the political dilemmas of adapting the global economy to confront climate change.

Transforming Knowledge and Practice for Our Global Future

Transforming Paradigms and Practices

Linking Science and Policy in a Rapidly Changing World

How to Make Green Finance Work in Indonesia

Education and Climate Change

Transforming Climate Finance and Green Investment with Blockchains

Global Warming and the Transformation of the Global Economy

How is the struggle against climate change financed? Climate Finance: Theory and Practice gives an overview of the key debates that have emerged in the field of climate finance, including those concerned with efficiency, equity, justice, and contribution to the public good between developed and developing countries. With the collaboration of internationally renowned experts in the field of climate finance, the authors of this book highlight the importance of climate finance, showing the theoretical aspects that influence it, and some practices that are currently being implemented or have been proposed to finance mitigation and adaptation policies in the developed and developing world.

Transformation to a low carbon economy is a central tenet to any discussion on the solutions to the complex challenges of climate change and energy security. Despite advances in policy, carbon management and continuing development of clean technology, fundamental business transformation has not occurred because of multiple political, economic, social and organisational issues. Carbon Governance, Climate Change and Business Transformation is based on leading academic and industry input, and three international workshops focused on low carbon transformation in leading climate policy jurisdictions (Canada, USA and the UK) under the international Carbon Governance Project (CGP) banner. The book pulls insights from this innovative collaborative network to identify the policy

combinations needed to create transformative change. It explores fundamental questions about how governments and the private sector conceptualize the problem of climate change, the conditions under which business transformation can genuinely take place and key policy and business innovations needed. Broadly, the book is based on emerging theories of multi-levelled, multi-actor carbon governance, and applies these ideas to the real world implications for tackling climate change through business transformation. Conceptually and empirically, this book stimulates both academic discussion and practical business models for low carbon transformation.

For the first time in history, half of the world's population lives in urban areas and it is expected that, by 2050, that figure will rise to above two-thirds. A large proportion of this urban growth will be taking place in the cities of the developing world, where the provision of adequate health, shelter, water and sanitation and climate change adaptation efforts for rapidly-growing urban populations will be an urgent priority. This transition to an urban world could be a negative transformation; but, if well-planned, it could also offer an unprecedented opportunity to improve the lives of some of the world's poorest people. This volume brings together some of the world's foremost experts in urban development with the aim of approaching these issues as an opportunity for real positive change. The chapters focus on three strategically critical aspects of this transformation: public health shelter, water and sanitation climate change adaptation. These are considered using an integrated approach that takes account of the many different sectors and stakeholders involved, and always in terms of the solutions rather than the problems. The book offers a blueprint for action in these sectors and will be of great interest to academics and policymakers in all aspects of urban development and planning.

Global Climate Change presents both practical and theoretical aspects of global climate change from across geological periods. It addresses holistic issues related to climate change and its contribution in triggering the temperature increase with a multitude of impacts on natural processes. As a result, it helps to identify the gaps between policies that have been put in place and the continuously increasing emissions. The challenges presented include habitability, biodiversity, natural resources, and human health. It is organized into information on the past, present, and future of climate change to lead to a more complete understanding and therefore effective solutions. Placing an emphasis on recent climate change research, Global Climate Change helps to bring researchers and graduate students in climate science, environmental science, and sustainability up to date on the science of climate change so far and presents a baseline for how to move into the future effectively. Addresses the variety of challenges associated with climate change, along with possible solutions Includes

suggestions for future research on climate change Covers climate change holistically, including global and regional scales, ecosystems, agriculture, energy, and sustainability Presents both practical and theoretical research, including coverage of climate change over various geological periods

Transforming Green Bond Markets

Climate Change Effects on Environmental Functionality

Socioeconomic Transformation in an Ethnic Minority Community in Viet Nam

Handbook of Climate Change Management

Climate Finance: Theory And Practice

Global Climate Change

Living and Learning in Interesting Times

The first edition of *Anthropology and Climate Change* (2009)

pioneered the study of climate change through the lens of anthropology, covering the relation between human cultures and the environment from prehistoric times to the present. This second, heavily revised edition brings the material on this rapidly changing field completely up to date, with major scholars from around the world mapping out trajectories of research and issuing specific calls for action. The new edition introduces new “foundational” chapters—laying out what anthropologists know about climate change today, new theoretical and practical perspectives, insights gleaned from sociology, and international efforts to study and curb climate change—making the volume a perfect introductory textbook; presents a series of case studies—both new case studies and old ones updated and viewed with fresh eyes—with the specific purpose of assessing climate trends; provides a close look at how climate change is affecting livelihoods, especially in the context of economic globalization and the migration of youth from rural to urban areas; expands coverage to England, the Amazon, the Marshall Islands, Tanzania, and Ethiopia; re-examines the conclusions and recommendations of the first volume, refining our knowledge of what we do and do not know about climate change and what we can do to adapt.

Cities on a Finite Planet: Transformative responses to climate change shows how cities can combine high quality living conditions, resilience to climate change, disaster risk reduction and contributions to mitigation/low carbon development. It also covers the current and potential contribution of cities to avoiding dangerous climate change and is the first book with an in-depth coverage of how cities and their governments, citizens and civil society organizations can combine these different agendas, based on careful city-level analyses. The foundation for the book is detailed city case studies on Bangalore,

Bangkok, Dar es Salaam, Durban, London, Manizales, Mexico City, New York and Rosario. Each of these was led by authors who contributed to the IPCC's Fifth Assessment and are thus acknowledged as among the world's top specialists in this field. This book highlights where there is innovation and progress in cities and how this was achieved. Also where there is little progress and no action and where there is no capacity to act. It also assesses the extent to which cities can address the Sustainable Development Goals within commitments to also dramatically reduce greenhouse gas emissions. In this, it highlights how much progress on these different agendas depends on local governments and their capacities to work with their low-income populations.

The world has witnessed extraordinary economic growth, poverty reduction and increased life expectancy and population since the end of WWII, but it has occurred at the expense of undermining life support systems on Earth and subjecting future generations to the real risk of destabilising the planet. This timely book exposes and explores this colossal environmental cost and the dangerous position the world is now in. *Standing up for a Sustainable World* is written by and about key individuals who have not only understood the threats to our planet, but also become witness to them and confronted them.

This innovative book is one of the first to conduct a systematic comprehensive analysis of the ideals and practices of the evolving green state. It draws on elements of political theory, feminist theory, post-structuralism, governance and institutional theory to conceptualise the green state and advances thinking on how to understand its emergence in the context of climate and sustainability transitions. Focusing on the state as an actor in environmental, climate and sustainability politics, the book explores different principles guiding the emergence of the green state and examines the performance of states and institutional responses to the sustainable and climate transitions in the European and Nordic context in particular. The book's unique focus on the Nordic countries underlines the important to learn from Nordics, which are perceived to be in the forefront of climate and sustainability governance as well as historically strong welfare states. With chapter contributions from leading international scholars in political science, sociology, economics, energy and environmental systems and climate policy studies, this book will be of great value to postgraduate students and researchers working on sustainability transitions, environmental politics and governance, and those with an area studies focus on the Nordic countries.

Towards transformative responses to climate change

Pioneers, Leaders and Followers Adaptation Urbanism and Resilient Communities From Resilience to Transformation Interdisciplinarity and Climate Change Research, Leadership, Transformation Rethinking the Green State

The challenges of achieving environmental sustainability and of generating decent work for all are closely linked. In this timely book, Poschen argues that an integrated approach to tackle these challenges is a necessity: the goal of environmentally sustainable economies will not be attained without the active contribution of the world of work. Decent Work, Green Jobs and the Sustainable Economy demonstrates that green jobs can be a key economic driver, as the world steps into the largely uncharted territory of building a sustainable and low-carbon global economy. Poschen shows that positive outcomes are possible, but require a clear understanding of the opportunities and challenges. Enterprises, workers and governments are not passive bystanders in the great transformation that is urgently needed in our economies. They are essential agents of change, able to develop new ways of working in sustainable enterprises that safeguard the environment, create decent jobs and foster social inclusion. This book highlights the solutions that the world of work offers for policy and practice to tackle climate change, achieve environmental sustainability and to build prosperous and cohesive societies. It is essential reading for those in business, academia and government.

The use of financial concepts and tools to shape development is hardly new, but their recent adoption by advocates of sustainable environmental management has created opportunities for innovation in business and regulatory groups. The Handbook of Environmental and Sustainable Finance summarizes the latest trends and attitudes in environmental finance, balancing empirical research with theory and applications. It captures the evolution of environmental finance from a niche scholarly field to a mainstream subdiscipline, and it provides glimpses of future directions for research. Covering implications from the Kyoto and Paris Protocols, it presents an intellectually cohesive examination of problems, opportunities, and metrics worldwide. Introduces the latest developments in environmental economics, sustainable accounting work, and environmental/sustainable finance Explores the effects of environmental regulation on the economy and businesses Emphasizes research about the trade-environmental regulation nexus, relevant for economics and business students

There is growing interest in analysing the role and effectiveness of the local scale in responding to the global challenge of climate change. However, while accounts of urban climate change governance are growing, there is now a real need for further conceptual and empirical work to better understand processes of change and uptake across a range of climate change actions. Local Action on Climate Change examines how local climate change responses are emerging, being operationalized and evaluated within a range of geographical and socio-political contexts across the globe. Focussing on the role and potential of local governments, non-government organisations and community groups in driving transformative change, the authors analyse how local climate change responses have emerged and explore the extent to which they are or have the potential to be innovative or transformative in terms of

governance, policy and practice change. Drawing on a diverse range of case studies, including examples from Vanuatu, Japan, South Africa, Australia, Sweden, the USA and India, this volume will be of great interest to students and scholars of climate change, environmental policy and governance, and sustainability.

Solutions for Climate Change and Sustainable Development

Anthropology and Climate Change

The Green Book