

From Bioeconomics To Degrowth Georgescu Roegens New Economics In Eight Essays Routledge Studies In Ecological Economics By Nicolas Georgescu Roegen 2014 06 01

Este texto es una expresión del pensamiento crítico frente a las diversas manifestaciones de la invasión de los territorios de los pueblos originarios, de los asentamientos tradicionales y sus respectivas formas de resistencia. El ejercicio de diálogo e intercambio de investigaciones con actores sociales aportó a una mayor comprensión de las políticas de intervención de los Estados en los territorios de pueblos tradicionales.

Some of us have spent our professional lives on energy and climate change but any new researcher or policy maker must find it daunting to even approach the subject. If so, this encyclopedic Handbook provides a wonderful and necessary introduction. It is creative and up to date, yet also takes the reader by the hand and introduces one topic after another while also providing much of the historical context that is so necessary to a deeper understanding. ð Thomas Sterner, Environmental Defense Fund This timely Handbook reviews many key issues in the economics of energy and climate change, raising new questions and offering solutions that might help to minimize the threat of energy-induced climate change. Constructed around the objectives of displaying some of the best of current thinking in the economics of energy and climate change, this groundbreaking volume brings together many of the world's leading and most innovative minds in the field to cover issues related to: ¥ fossil fuel and electricity markets ¥ environment-related energy policy ¥ international climate agreements ¥ carbon mitigation policies ¥ low carbon behaviour, growth and governance. Serving as an indispensable guide to one of the fastest growing fields of economics, this invaluable resource will strongly appeal to students, academics and policy makers interested in energy, environmental and climate change issues.

A 'green economy' must be built on 'green jobs' - the kind of employment that is low carbon, intended to reduce energy use and expected to restore environmental quality. But attempts to define exactly what a 'green job' is have led to varied and often contradictory answers. There are many unresolved questions including whether we consider jobs in the nuclear fuel industry to be green jobs? Or is a worker at a glass making company which supplies the glass for the solar photovoltaic industry doing a green job given that glass making is a 'dirty' industry? This book deals with the relationship between "green" concepts (green jobs, green economy, green growth) and sustainable development. It examines to which extent creation of green jobs supports overall economic development as opposed to creation of elitist jobs and greenwashing. In order to do so, general conceptual frameworks for green jobs, green economy, green

growth and green policy are presented as well as their implementation in ten countries selected among the Group of Twenty. The selection includes advanced (the European Union, the United States of America, Australia, Canada, Republic of Korea, Japan) and developing countries (Mexico, China, Turkey and Brazil). The analysis presented in this book shows that although green concept is well-intentioned, its implementation depends on local circumstances – economic, political and social. Developed countries perceive green growth as a way to create new markets and demand, while developing countries rely more on labor intensive growth and less expensive green jobs. Thus, greening the economy does not diminish differences between rich and poor. This book is suitable for those who study and work in Ecological Economics, Sustainable Development and Labor Economics.

Dissatisfaction with the Gross Domestic Product (GDP) as an indicator of a country's development or a population's wellbeing led to the development of the Genuine Progress Indicator (GPI). The GPI is an aggregate index of over 20 economic, social and environmental indicators, and accounts for both the welfare benefits of economic growth, and the social and environmental costs which accompany that economic growth. The result is better information about the level of welfare or well-being of a country's population. This book measures the GPI of Hong Kong and Singapore from 1968 to 2010. It finds that for both countries, economic output (as measured by the GDP) has grown more than welfare (as measured by the GPI), but important differences are also found. In Hong Kong, the GPI has grown for the whole period under consideration, while in Singapore the GPI has stalled from 1993. This is in line with most countries and is explained by the "threshold hypothesis" which states that beyond a certain level of economic development the benefits of further economic growth are outweighed by even higher environmental and social costs. The book argues that the growth of Hong Kong's GPI is due to its favourable relationship with China and in particular its ability to export low-wage jobs and polluting industries, rather than successful domestic policies. A stalling or shrinking GPI calls for alternative policies than the growth economy promoted by neoclassical economists, and the book explores an alternative model, that of the Steady State Economy (SSE). Nicolae Georgescu-Roegen (1906-1994) is considered today as perhaps the chief founder of the transdisciplinary field today known as Ecological Economics, but that he defined himself as Bioeconomics. In his later years Georgescu-Roegen intended to write a book of this title that would systematize what he considered to be the most significant results of his work. This project intends to resume this project, publishing a collection of the most relevant Georgescu-Roegen essays on Bioeconomics, including previously unpublished papers. From Bioeconomics to Degrowth Georgescu-Roegen's 'New Economics' in Eight Essays Taylor & Francis

The Economics of Green Growth investigates the possibility of creating an integrated indicator covering three pillars of sustainable development: economy,

society and the environment. The excessive pursuit of economic efficiency has resulted in severe environmental problems such as climate change and biodiversity loss, and societal human issues such as inequality and disparity. The book aims to change the direction of economic growth towards one which is more sustainable. It explores beyond the conventional indicator, the GDP that measures economic growth and human well-being. It also introduces new indicators relevant to sustainable development and a green economy and discusses the key issues for these indicators.

In the past decade, the growing realization that biodiversity and human wellbeing are inextricably linked has led to the adoption of numerous environmental policies. The concept of the Green Economy has gained particular attention as an economic system where growth is possible within environmental limits. The preservation of ecosystem services and the halt of biodiversity loss are identified as key pillars of the Green Economy. Despite the concept's momentum there is still no clear understanding of how biodiversity fits within a Green Economy. In the current debate, biodiversity is rarely acknowledged in economic sectors other than agriculture, forestry, fisheries and tourism, and when it is acknowledged biodiversity and its conservation feature more as buzzwords than as concrete and tangible components of the Green Economy. This book aims to identify, understand and offer pragmatic recommendations of how biodiversity conservation can become an agent of green economic development. This book establishes ways to assess biodiversity's contributions to the economy and to meaningfully integrate biodiversity concerns in green-economy policies.

Traditional Chinese edition of Prosperity Without Growth: Economics for a Finite Planet. The book addresses the most important economic premise, that continued prosperity and growth in a finite world is unsustainable. So where do we go from here? Tim Jackson is Sustainable Development Commission's Economics Commissioner and Professor of Sustainable Development at the University of Surrey. In Chinese. Distributed by Tsai Fong Books, Inc. Building on its origins at a seminar in Oslo organized by two of the editors, this book combines classic texts of Nordic ecophilosophy and the original contributions of those influenced by this tradition to present the view that critical realism is indeed a worthy intellectual tradition to carry forward and further develop the work of the founders of Nordic ecophilosophy. It was clear at the seminar that there was a promising convergence of interests and themes in the two approaches; while at the same time, within the Nordic ecophilosophical tradition, there was appreciation of the capacity of critical realism, with its provision of a robust philosophical ontology and generation of totalizing immanent critiques of Western philosophy, to provide an expansive and secure home for the development of ecophilosophical work generally. If there is a single overarching theme of critical realist philosophy, it surely must be that of the unity of theory and practice, which Bhaskar, following Hegel, has also called "seriousness". This makes the applicability, relevance and actionability of critical realism key considerations for critical realists. There can be no doubt that this concern was shared fully by the Nordic ecophilosophers; and this quality of "seriousness" is a striking feature of the Nordic contributions presented in this book.

This book presents a collection of studies by Romanian philosophers, addressing foundational issues currently debated in contemporary philosophy of science. It offers a historical survey of the tradition of scientific philosophy in Romania. It examines some problems in the foundations

of logic, mathematics, linguistics, the natural and social sciences. Among the more specific topics, it discusses scientific explanation, models, and mechanisms, as well as memory, artifacts, and rules of research. The book is useful to those interested in the philosophy of real science, but also to those interested in Romanian philosophy.

One Health, the concept of combined veterinary and human health, has now expanded beyond emerging infectious diseases and zoonoses to incorporate a wider suite of health issues. Retaining its interdisciplinary focus which combines theory with practice, this new edition illustrates the contribution of One Health collaborations to real-world issues such as sanitation, economics, food security and vaccination programmes. It includes more non-infectious disease issues and climate change discussion alongside revised case studies and expanded methodology chapters to draw out implications for practice. Promoting an action-based, solutions-oriented approach, One Health: The Theory and Practice of Integrated Health Approaches highlights the lessons learned for both human and animal health professionals and students.

What do the economic theories of thought-leaders in economics, such as Smith, Keynes, Marx and Schumpeter, tell us about globalisation in the twenty-first century? Great economic theories have provided a narrative of how society should work in all its aspects, and can offer renewed usefulness for today's society. Each economic theory is presented for easy access, readability and simplicity; explaining the criticism a particular theory poses against its own contemporary environment, such as the poverty produced by Manchester capitalism in Marx, and then applying those historical lessons to our current time. Should some economic theories be left sitting on a shelf, safely without any impact on us, or do some great economic ideas still have something to contribute to the grand quest for a more just society in its many interpretations?

Recent events including the financial crisis and the gradual lessening of the planet's natural resources have raised the fundamental question as to whether the capitalist market system can survive its own contradictions or whether we are witnessing the outset of a profound change in civilization. By deploying the tools of the science of complexity alongside those of historical research, Mauro Bonaiuti tackles this basic question, posed against a backdrop of declining marginal returns where growth in the complexity of industrial, military and bureaucratic-institutional apparatuses is thought to have led to progressive increases in economic, social and environmental costs. In this framework, the economic crisis we are traversing, grave as it is, could be interpreted not as a simple cyclical crisis, from which it is possible to escape by the traditional policies of supporting growth, but as the outcome of a 'passage of civilization' inscribed in the long-term evolutionary dynamics of capitalism. After the crisis that started in 2008, with millions of people unemployed, with the failure of the economy to pick up and with the ever-growing sense of precariousness and insecurity, we are beginning to suspect that we are facing something more than a cyclical crisis.

Sustainability: Key Issues is a comprehensive introductory textbook for undergraduate and postgraduate students doing courses in sustainability. Highly original, it covers the very broad spectrum of ideas covered under sustainability, from participation, resilience, growth, ecological modernism through to culture, sustainable communities and sustainable consumption. Each chapter covers one key idea, and has been written by an expert in that field. This book makes key issues approachable, with each chapter containing: a definition of the key concept a history of how and why the issue has emerged a discussion of the advantages, drawbacks, main contributions and controversies associated with this issue case studies to demonstrate how it works in reality critical discussion of mainstream models of sustainability and the reason why they don't work introduction of beyond-the-convention alternatives, including circular economy and cradle to cradle approaches This is the ideal book for students and anyone interested in understanding the key issues within sustainability and

how they interact.

This book articulates a unified theory of capitalism as an attempt to provide a comprehensive scientific theory of this social system. A unified theory of capitalism is not the combination of the predominant economic theories—neoclassical, classical, and Keynesian—so as to make them compatible. It is not a composite economic theory. It is a new economic theory. Predictions of the theory's models were consistent with eight basic empirical regularities of capitalism dealing with economic growth, income inequality, employment level, and environment degradation. Therefore, the unified theory can be accepted as a good approximation of the real capitalist world. But the models were constructed at a high level of abstraction. Also problematic was the need to work out more fully the public policy implications of the theory. It is, therefore, no wonder that essays on the unified theory to answer these questions are a natural outcome of a new scientific endeavor attempting to reach a unity of knowledge in economics.

Growth, Employment, Inequality, and the Environment deals with the fundamental economic problems of our time: employment, inequality, the environment, and quality of life. These exciting new volumes are the first of their kind in which these problems are analyzed using a unified theory framework. This book explores the promissory discourses and practices associated with the bioeconomy, focusing especially on the transformation of institutions; the creation, appropriation, and distribution of value; the struggle over resources, power, and meaning; and the role of altruism, kinship, and care practices. Governments and science enthusiasts worldwide are embracing the bioeconomy, championing it as the key to health, wealth, and sustainability, while citing it as justification to transform research and regulatory institutions, health and agricultural practices, ethics of privacy and ownership, and conceptions of self and kin. Drawing together studies from Asia, Australia, the Americas, and Europe, this volume encompasses subjects as diverse as regenerative medicine, population health research, agricultural finance, biobanking, assisted reproduction, immigration, breastfeeding, self-help groups, GM fish, and mining sewage.

An examination of the global trade and traffic in discarded electronics that reframes the question of the “right” thing to do with e-waste. The prevailing storyline about the problem of electronic waste frames e-waste as generated by consumers in developed countries and dumped on people and places in developing countries. In *Reassembling Rubbish*, Josh Lepawsky offers a different view. In an innovative analysis of the global trade and traffic in discarded electronics, Lepawsky reframes the question of the “right” thing to do with e-waste, mapping the complex flows of electronic materials. He counters the assumption that e-waste is a post-consumer problem, pointing out that waste occurs at all stages of electronic materials' existence, and calls attention to the under-researched world of reuse and repair. Lepawsky explains that there are conflicting legal distinctions between electronic waste and non-waste, and examines a legal case that illustrates the consequences. He shows that patterns of trade do not support the dominant narrative of e-waste dumping but rather represent the dynamic ecologies of repair, refurbishment, and materials recovery.

He asks how we know waste, how we measure it, and how we construe it, and how this affects our efforts to mitigate it. We might not put so much faith in household recycling if we counted the more massive amounts of pre-consumer electronic waste as official e-waste. Lepawsky charts the “minescapes,” “productionscapes,” and “clickscapes” of electronics, and the uneven “discardscapes” they produce. Finally, he considers both conventional and unconventional e-waste solutions, including decriminalizing export for reuse, repair, and upgrade; enabling ethical trade in electronics reuse, repair, refurbishment, and recycling; implementing extended producer responsibility; and instituting robust forms of public oversight.

La humanidad está abocada a transiciones civilizatorias frente a la profunda crisis por las que atraviesa. El diseño ha sido un factor fundamental en la fabricación de estas crisis. ¿Podrá convertirse en una herramienta para las transiciones? ¿Puede la tradición modernista del diseño reorientarse de su dependencia de la ontología racionalista de la modernidad capitalista hacia modos relacionales de saber y hacer? Estas son las preguntas centrales que aborda en este libro. Una fuente importante para la reorientación de la tradición racionalista está en las formas de vida no dualistas presentes en las luchas territoriales contra el extractivismo. Estas luchas evidencian los fuertes fundamentos comunales que todavía existen en la vida de muchos grupos étnicos y pueblos. Estos son los principales temas del libro, entonces: las transiciones civilizatorias, el enfoque ontológico, el diseño para las transiciones y la relación entre la autonomía, el diseño y las lógicas comunales que están en el centro de las luchas de los pueblos. ¿Puede el diseño ser creativamente reapropiado por las comunidades subalternas para apoyar sus luchas, fortalecer su autonomía, y realizar sus proyectos de vida hacia filosofías del buen vivir que, finalmente, estén en sintonía profunda con la Tierra? Esta nueva edición de Autonomía y diseño de Arturo Escobar contiene una nota introductoria donde se profundiza en el diseño como un problema de autonomía y al mismo tiempo en la autonomía y los proyectos de vida hacia el buen vivir como un asunto de diseño.

Economic inequality has recently gained considerable academic attention. However, two important aspects of inequality have not been discussed systematically: its multidimensional nature and the question of what can be done to reverse it. This book offers insights from scholars representing the Global Labour University, which operates in Brazil, Germany, India, South Africa and the US. They analyse the various drivers of inequality, assess policy responses, and discuss counterstrategies. The main findings of this book are that rising levels of inequality cannot be addressed only with the standard policies responses, namely education, redistribution and ‘green growth’. In addition, the way markets currently function needs to be corrected. The chapters in this volume focus on specific fields of contemporary capitalism where important drivers of inequality are located, for example, the labour market; the financial system; the

tax system; multi-national corporations; and gender relations. Other chapters discuss in detail where political opportunities for change lie. They critically assess existing countermeasures; the idea of a 'green economy' and its implications for inequality; and existing campaigns by trade unions and new social movements against inequality. In line with the global nature of the problem, this book contains case studies on countries both from the north and south with considerable economic and political weight. This book provides academics, political practitioners and civil society activists with a range of ideas on how to drive back inequality. It will be of interest to those who study political economy, development economy and labour economics.

This book offers new perspectives on global phenomena that play a major role in today's society and deeply shape the actions of individuals, organizations and nations. In a complex and rapidly changing environment, decision-makers need to gain a better understanding of global phenomena to adapt and to anticipate the evolution of the global context. The authors—ten renowned international scholars of anthropology, economics, law, management and political science—propose an interdisciplinary and comparative approach to social sciences. They analyse how international phenomena, such as globalisation or transnationalisation, transform the disciplines of social sciences from an epistemological standpoint. Explaining what 'global' means in different disciplines, the authors analyse several global phenomena that characterise today's international environment such as the circulation of norms and ideas, the linkages between war and globalization, corporate governance, and the impact of multinational enterprises on sustainable development and poverty reduction. Providing examples of analytical disciplinary approaches and guidelines for decision-makers in a fast-changing global context this book will be useful to scholars and students of anthropology, economics, law, management and political science as well as practitioners in the private and public sectors.

This Handbook provides an overview of major current debates, trends and perspectives in ecological economics. It covers a wide range of issues, such as the foundations of ecological economics, deliberative methods, the de-growth movement, ecological macroeconomics, social metabolism, environmental governance, consumer studies, knowledge systems and new experimental approaches. Written by leading authors in their respective areas of specialisation, the contributions systematize the "state of the art" in the selected topics, and draw insights about new knowledge frontiers.

The increasing scarcity of land and the ever-rising amount of waste produced worldwide, coupled with the consequent change of focus by policy makers from waste disposal and recovery to waste prevention is boosting research in the 'economics of waste'. This volume addresses waste-management and waste-disposal issues, embedding them in spatial, systemic and trade-related frameworks. The collection is policy oriented, including socio-economic and political science perspectives in order to provide an understanding of real world

phenomena, and thus maximize its value for policy making. The book includes contributions on the linkages between income and waste generation and landfilling (such as the 'waste Kuznets curve' conceptual framework), in addition to papers that bring together policy-oriented analysis of instrument effectiveness and the spatial nature of waste phenomena. On top of this, there are pieces of research emphasizing technological spillovers and trade at interregional and intercountry levels. The comparative analysis of policy effectiveness and efficiency at the regional and country levels is also covered, including the assessment of the potential role of illegal management of waste in determining waste performance. To give a spatial and comparative flavour, the book includes work on the evaluation of waste-related externalities, with examples covering household, industrial and special waste. The wide set of methodologies and issues included in this book make it a comprehensive starting point for scholars and policy makers interested in waste-related research.

Activism on the Web examines the everyday tensions that political activists face as they come to terms with the increasingly commercialized nature of web technologies and sheds light on an important, yet under-investigated, dimension of the relationship between contemporary forms of social protest and internet technologies. Drawing on anthropological and ethnographic research amongst three very different political groups in the UK, Italy and Spain, the book argues that activists' everyday internet uses are largely defined by processes of negotiation with digital capitalism. These processes of negotiation are giving rise to a series of collective experiences, which are defined by the tension between activists' democratic needs on one side and the cultural processes reinforced by digital capitalism on the other. In looking at the encounter between activist cultures and digital capitalism, the book focuses in particular on the tension created by self-centered communication processes and networked-individualism, by corporate surveillance and data-mining, and by fast-capitalism and the temporality of immediacy. Activism on the Web suggests that if we want to understand how new technologies are affecting political participation and democratic processes, we should not focus on disruption and novelty, but we should instead explore the complex dialectics between digital discourses and digital practices; between the technical and the social; between the political economy of the web and its lived critique.

The concept of green growth, coupled with one of green economy and low carbon development, is a global concern especially in the face of the multiple crises that the world has faced in recent years - climate, oil, food, and financial crises. In East Asia, this concept is regarded as the key in transforming cheap-labour dependent, export-oriented industries towards a more sustainable development. Green Growth and Low Carbon Development in East Asia examines the beginnings of low carbon, green growth in practice in East Asia and how effectively it has directed East Asian nations, especially Korea, China and Japan, to put environment and climate challenges as the core target zone for investment and growth. Special focus is paid to energy and international trade - areas in which these nations compete with pioneered nations of Europe and the United States to develop renewable energy industries and enhance their international competitiveness. On the basis of the lessons learned in East Asia, together with a comparison of Russia, this book discusses the applicability and

limitations of this developmental approach taken by the developing nations and resource-rich emerging economies, including the conditions and contexts in which nations are able to transition into sustainable development through the use of low carbon, green growth strategies.

Water in Social Imagination studies meanings of water in cultural and environmental contexts, from medieval Stockholm to post-Soviet Russia. Authors consider both state policy and modern technologies along with creative resistance to the exploitative imagination.

The future of economic growth is one of the decisive questions of the twenty-first century. Alarmed by declining growth rates in industrialized countries, climate change, and rising socio-economic inequalities, among other challenges, more and more people demand to look for alternatives beyond growth. However, so far these current debates about sustainability, post-growth or degrowth lack a thorough historical perspective. This edited volume brings together original contributions on different aspects of the history of economic growth as a central and near-ubiquitous tenet of developmental strategies. The book addresses the origins and evolution of the growth paradigm from the seventeenth century up to the present day and also looks at sustainable development, sustainable growth, and degrowth as examples of alternative developmental models. By focusing on the mixed legacy of growth, both as a major source of expanded life expectancies and increased comfort, and as a destructive force harming personal livelihoods and threatening entire societies in the future, the editors seek to provide historical depth to the ongoing discussion on suitable principles of present and future global development. History of the Future of Economic Growth is aimed at students and academics in environmental, social, economic and international history, political science, environmental studies, and economics, as well as those interested in ongoing discussions about growth, sustainable development, degrowth, and, more generally, the future.

'Transgovernance: Advancing Sustainability Governance' analyses the question what recent and ongoing changes in the relations between politics, science and media – together characterized as the emergence of a knowledge democracy – may imply for governance for sustainable development, on global and other levels of societal decision making, and the other way around: How can the discussion on sustainable development contribute to a knowledge democracy? How can concepts such as second modernity, reflexivity, configuration theory, (meta)governance theory and cultural theory contribute to a 'transgovernance' approach which goes beyond mainstream sustainability governance? This volume presents contributions from various angles: international relations, governance and metagovernance theory, (environmental) economics and innovation science. It offers challenging insights regarding institutions and transformation processes, and on the paradigms behind contemporary sustainability governance. This book gives the sustainability governance debate a new context. It transforms classical questions into new options for societal decision making and identifies starting points and strategies towards effective governance of transitions to sustainability.

Why does humanity seem unable to step off its unsustainable path, even with so many direct symptoms - from climate change to ecological destruction and peak resources - becoming more and more apparent? Striving to answer this question, The

Schizophrenic Society marshals many different insights from such areas as history, sociology, politics, philosophy, psychology, economics, and anthropology. The resulting story is an important one that exposes both human and societal shortcomings when grappling with the fundamental issue that we're faced with: the continued growth in humanity's claims upon Earth's finite resources. In plain language, the author takes us on a journey, back to the dawn of agriculture and complex societies, and demonstrates how, over time, humanity has built up a set of delusional beliefs about its ability to control the natural world – of which it is an integral part. He explains how the recent exploitation of fossil fuels has provided a last hurrah for human civilization and its delusional beliefs, and then goes on to challenge the faulty logic of the new religion of Economics, which derides anyone who questions the possibility of infinite growth on a finite planet. Boyd then takes us into the future, where he shows us what life will look like if humanity maintains its current path, succumbing to modern media's continuous push for consumption. He warns us that change will not be easy; that the rich and powerful benefit in the short term from the status quo, and that to expect them to readily adopt changes that will reduce their wealth and power for the good of the whole, is naïve.

Elinor Ostrom's Nobel Prize-winning work on common pool property rights has implications for some of the most pressing sustainability issues of the twenty-first century — from tackling climate change to maintaining cyberspace. In this book, Derek Wall critically examines Ostrom's work, while also exploring the following questions: is it possible to combine insights rooted in methodological individualism with a theory that stresses collectivist solutions? Is Ostrom's emphasis on largely local solutions to climate change relevant to a crisis propelled by global factors? This volume situates her ideas in terms of the constitutional analysis of her partner Vincent Ostrom and wider institutional economics. It outlines her key concerns, including a radical research methodology, commitment to indigenous people and the concept of social-ecological systems. Ostrom is recognised for producing a body of work which demonstrates how people can construct rules that allow them to exploit the environment in an ecologically sustainable way, without the need for governmental regulation, and this book argues that in a world where ecological realities increasingly threaten material prosperity, such scholarship provides a way of thinking about how humanity can create truly sustainable development. Given the inter-disciplinary nature of Ostrom's work, this book will be relevant to those working in the areas of environmental economics, political economy, political science and ecology.

A systematic investigation of growth in nature and society, from tiny organisms to the trajectories of empires and civilizations. Growth has been both an unspoken and an explicit aim of our individual and collective striving. It governs the lives of microorganisms and galaxies; it shapes the capabilities of our extraordinarily large brains and the fortunes of our economies. Growth is manifested in annual increments of continental crust, a rising gross domestic product, a child's growth chart, the spread of cancerous cells. In this magisterial book, Vaclav Smil offers systematic investigation of growth in nature and society, from tiny organisms to the trajectories of empires and civilizations. Smil takes readers from bacterial invasions through animal metabolisms to megacities and the global economy. He begins with organisms whose mature sizes range from microscopic to enormous, looking at disease-causing microbes, the

cultivation of staple crops, and human growth from infancy to adulthood. He examines the growth of energy conversions and man-made objects that enable economic activities—developments that have been essential to civilization. Finally, he looks at growth in complex systems, beginning with the growth of human populations and proceeding to the growth of cities. He considers the challenges of tracing the growth of empires and civilizations, explaining that we can chart the growth of organisms across individual and evolutionary time, but that the progress of societies and economies, not so linear, encompasses both decline and renewal. The trajectory of modern civilization, driven by competing imperatives of material growth and biospheric limits, Smil tells us, remains uncertain.

The economies located in East, South and Southeast Asia have witnessed an interesting growth-sustainability trade-off over the last decades. While growth considerations have paved ways for deepened ties with growing trade-investment waves and increasing population pressure necessitated exploitation of hitherto unutilized natural resources, focus on environmental sustainability has been a recent consideration. The growth impetus still playing a key role in these economies, it becomes imperative that the countries effectively address the key sustainability concerns, e.g. air and water pollution, land degradation, loss of biodiversity, climate change issues like CO₂ emissions etc. But how prepared is the governance mechanism of these countries, covering not only the legislative and administrative framework but also involvement of the judiciary, presence of spirited civil society and active engagement of stakeholders in policy-framing dialogues, to rise up to these challenges? The book seeks an answer to this question through the environmental governance mechanism and natural resource conservation policies in three vibrant regions within Asia. A holistic development dimension of sustainable development path emerges, through discussion of policies adopted by developed (Japan, South Korea), upper-middle (China, Malaysia), developing (India, Indonesia, Philippines, Sri Lanka, Thailand) and least developed countries (Bangladesh, Myanmar, Nepal).

This book explores the policy implications of the unified theory of capitalism—how economic growth has led to a new epoch, the Anthropocene, and it presents a new set of economic principles that are needed in this new age. The unified theory of capitalism has been published as a new scientific endeavor, attempting to present new economics for the Anthropocene age that are empirically verifiable and fully consistent with the physical sciences. This book elaborates on the implications of the unified theory for both the science of economics and for public policies. In particular, this book develops in more detail the policy implications, discussing the fundamental economic and societal policy issues of our time—employment, inequality, the environment, and quality of life—in empirical terms.

Over the years, irresponsible business practices have resulted in industrial waste, which is negatively impacting the environment. As a result, it is imperative to develop new solutions to reverse the damage. Collective Creativity for

Responsible and Sustainable Business Practice is an authoritative reference source for the latest scholarly research on the elimination of environmental degradation through new discoveries and opportunities provided by collective creativity. Featuring extensive coverage across a range of relevant perspective and topics, such as sustainable business model innovation, social marketing, and education and business co-operatives, this comprehensive and timely publication is an essential reference source for business leaders, managers, academics, and community leaders seeking current research on sustainable management practices.

The Environment in Anthropology presents ecology and current environmental studies from an anthropological point of view. From the classics to the most current scholarship, this text connects the theory and practice in environment and anthropology, providing readers with a strong intellectual foundation as well as offering practical tools for solving environmental problems. Haenn, Wilk, and Harnish pose the most urgent questions of environmental protection: How are environmental problems mediated by cultural values? What are the environmental effects of urbanization? When do environmentalists' goals and actions conflict with those of indigenous peoples? How can we assess the impact of "environmentally correct" businesses? They also cover the fundamental topics of population growth, large scale development, biodiversity conservation, sustainable environmental management, indigenous groups, consumption, and globalization. This revised edition addresses new topics such as water, toxic waste, neoliberalism, environmental history, environmental activism, and REDD (Reducing Emissions from Deforestation and Forest Degradation), and it situates anthropology in the multi-disciplinary field of environmental research. It also offers readers a guide for developing their own plan for environmental action. This volume offers an introduction to the breadth of ecological and environmental anthropology as well as to its historical trends and current developments. Balancing landmark essays with cutting-edge scholarship, bridging theory and practice, and offering suggestions for further reading and new directions for research, The Environment in Anthropology continues to provide the ideal introduction to a burgeoning field.

Degrowth is a rejection of the illusion of growth and a call to repoliticize the public debate colonized by the idiom of economism. It is a project advocating the democratically-led shrinking of production and consumption with the aim of achieving social justice and ecological sustainability. This overview of degrowth offers a comprehensive coverage of the main topics and major challenges of degrowth in a succinct, simple and accessible manner. In addition, it offers a set of keywords useful for intervening in current political debates and for bringing about concrete degrowth-inspired proposals at different levels - local, national and global. The result is the most comprehensive coverage of the topic of degrowth in English and serves as the definitive international reference. More information at: vocabulary.degrowth.org View the author spotlight featuring

events and press related to degrowth at <http://t.co/k9qbQpyuYp>.

Society today faces a difficult contradiction: we know exactly how the physical limits of our planet are being reached and exactly why we cannot go on as we have before – and yet, collectively, we seem unable to reach crucial decisions for our future in a timely way. This book argues that our definition of prosperity, which we have long assimilated with the idea of material wealth, may be preventing us from imagining a future that meets essential human aspirations without straining our planet to the breaking point. In other words, redefining prosperity is a necessary and urgent task. This book is the fruit of a long debate among 15 scholars from diverse fields who worked together to bring the depth and nuance of their respective fields to questions that affect us all. The result is a rich, transdisciplinary work that illuminates the philosophical and historical origins of our current definition of prosperity; identifies the complex processes that gave rise to the problems we face today; elucidates the ways in which our contemporary environmental, social, nutritional, economic, political, and cultural crises are interconnected; and explores why a half-century of economic growth has neither increased life satisfaction in the West nor vanquished world poverty. Approaching these broad-ranging questions from the specific standpoints of their disciplines, each of the authors offers thoughts for the future, considering possible escape routes and proposing changes to the way we live, behave, and organise society and public action – changes that actually respond, in an equitable way, to our deepest aspirations. Ultimately, in laying the groundwork for a public debate on this subject, this book poses a question to its readers: what is your definition of prosperity, and what can be done to promote it?

For decades, governments have tried to foster industrial competitiveness and economic growth. Many instruments are known to work, and many lessons have been learned. However, humanity is increasingly feeling the effects of natural resource depletion. The rate of this depletion is deeply unsustainable, and it is – as of yet – inextricably linked to economic growth and development. To preserve acceptable living conditions for future generations, while at the same time creating these conditions for millions of poor in the first place, we must achieve a de-linking of economic activity and resource depletion. This book identifies the drivers and success factors of green industrial policy, which seeks to reconcile the synergies and trade-offs which exist between economic and environmental goals. Greening the economy is a goal which will require enormous investment. As markets are currently failing to provide the required incentives for environmental sustainability, governments must intervene and provide ‘policy rents’ for investments in sustainability while withdrawing rents from polluting investments. In this they will face the risk of political capture by interest groups and difficult choices among technologies. Rent management is therefore the heart of green industrial policy and the focus of this book. On top of this, the country examples provided in this volume focus on the emerging powers, which will have an important influence the future of our planet. However, the lessons

learned are valuable not only for countries introducing green industrial policies for the first time, but also for those under pressure to reform existing policies. This book will be of interest to students, researchers and policymakers in the areas of energy policy, sustainable development, industrial economics and ecological economics.

This book discusses the challenges faced by the homo resaliens and his need for a transition to a more sustainable social, economic, and environmental system. It fills a gap in the existing literature and provides a new perspective by changing the etymology of the word resilience: no more resiliere, but resalio. By comparing and analysing the relevant literature, the author has coined the term homo resaliens (resilient man), in contrast to the failure of the homo oeconomicus, the corruption of the homo politicus, the incompleteness of homo sustinens, and the limits of homo ecologicus. Opening a new debate in which the role of academia and res publica are fundamental to safeguard human communities and future generations, this book will greatly assist governments that wish to understand the socio-political and economic implication of resilience in terms of social inclusiveness and long term social and environmental sustainability. Marco Carcea has a PhD in Human Society from the Swinburne University of Technology, Melbourne, Australia. He is currently Head of strategic planning in Mayors Cabinet at Comune di Crotone, Italy. Previously, he worked as Research Associate in the School of Education and Social Sciences of Swinburne University of Technology and as a Lecturer at the school of Global, Urban and Social Studies of RMIT University, Melbourne. His areas of research interests include Ecological Economics, the application of resilience for human communities, sustainable development, alternative currencies and inclusive democracy.

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