

The Path To Sustained Growth Englands Transition From An Organic Economy To An Industrial Revolution

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Transitions - Peter W. Newton 2008-09-09

Formidable challenges confront Australia and its human settlements: the mega-metro regions, major and provincial cities, coastal, rural and remote towns. The key drivers of change and major urban vulnerabilities have been identified and principal among them are resource-constraints, such as oil, water, food, skilled labour and materials, and carbon-constraints, linked to climate change and a need to transition to renewable energy, both of which will strongly shape urban development this century. *Transitions* identifies 21st century challenges to the resilience of Australia's cities and regions that flow from a range of global and local influences, and offers a portfolio of solutions to these critical problems and vulnerabilities. The solutions will require fundamental transitions in many instances: to our urban infrastructures, to our institutions and how they plan for the future, and perhaps most of all to ourselves in terms of our lifestyles and consumption patterns. With contributions from 92 researchers - all leaders in their respective fields - this book offers the expertise to chart pathways for a sustainability transition.

The Path to Sustained Growth - E. A. Wrigley 2016-01-21

Before the industrial revolution prolonged economic growth was unachievable. All economies were organic, dependent on plant photosynthesis to provide food, raw materials, and energy. This was true both of heat energy, derived from burning wood, and mechanical energy provided chiefly by human and animal muscle. The flow of energy from the sun captured by plant photosynthesis was the basis of all production and consumption. Britain began to escape the old restrictions by making increasing use of the vast stock of energy contained in coal measures, initially as a source of heat energy but eventually also of mechanical energy, thus making possible the industrial revolution. In this concise and accessible account of change between the reigns of Elizabeth I and Victoria, Wrigley describes how during this period Britain moved from the economic periphery of Europe to becoming briefly the world's leading economy, forging a path rapidly emulated by its competitors.

Energy and Economic Growth - Timothy J. Foxon 2017-10-18

Access to new sources of energy and their efficient conversion to provide useful work have been key drivers of economic growth since the industrial revolution. Western countries now need to transform their energy systems and move away from the single-minded pursuit of economic growth in order to reduce our carbon emissions, and to allow the environmental space for other countries to develop in a more sustainable way. Achieving this requires understanding of the dynamics of economic and industrial change with appreciation of the dependence of economies on ecological systems. *Energy and Economic Growth* thus examines the links between three issues: history of energy sources, technologies and uses; ecological challenges associated with the current dominant economic growth paradigm; and the future low carbon energy transition to mitigate human-induced climate change. Providing a historical understanding of the relevant connections between physical, social and economic changes, the book enables the reader to better understand the connection between their own energy use and global economic and environmental systems, and to be able to ask the right questions of our political and business leaders. This is a valuable resource for students, scholars and policy makers with an interest in energy, climate change and economic thinking.

Transitions to Capitalism in Early Modern Europe - Robert S. DuPlessis 2019-09-26

Revised, updated and expanded, this second edition analyzes the structures and practices of European economies within a global context.

Escape from Rome - Walter Scheidel 2019-10-15

The gripping story of how the end of the Roman Empire was the beginning of the modern world The fall of the Roman Empire has long been considered one of the greatest disasters in history. But in this groundbreaking book, Walter Scheidel argues that Rome's dramatic collapse was actually the best thing that ever happened, clearing the path for Europe's economic rise and the creation of the modern age. Ranging across the entire premodern world, *Escape from Rome* offers new answers to some of the biggest questions in history: Why did the Roman Empire appear? Why did nothing like it ever return to Europe? And, above all, why did Europeans come to dominate the world? In an absorbing narrative that begins with ancient Rome but stretches far beyond it, from Byzantium to China and from Genghis Khan to Napoleon, Scheidel shows how the demise of Rome and the enduring failure of empire-building on European soil ensured competitive fragmentation between and within states. This rich diversity encouraged political, economic, scientific, and technological breakthroughs that allowed Europe to surge ahead while other parts of the world lagged behind, burdened as they were by traditional empires and predatory regimes that lived by conquest. It wasn't until Europe "escaped" from Rome that it launched an economic transformation that changed the continent and ultimately the world. What has the Roman Empire ever done for us? Fall and go away.

Britain and Europe - Jeremy Black 2019-03-01

Amid the ongoing Brexit crisis, both sides are appealing to Britain's past relationship with Europe to justify their positions. But much specious history is presented to argue for either the closeness or distance of our political, cultural and economic links with 'the Continent'. We urgently need a dispassionate account of how Britain's history truly fits into a European context. How similar has Britain been to other European countries, and in what respects? Do Brits feel European, and have they taken an interest in events on the Continent, or has their distance from Europe led to insularity and xenophobia? Finally, how involved in European affairs has Britain been over the last several hundred years? Jeremy Black's fresh and trenchant analysis sets an increasingly politicised British history in its real European context.

Transitions to Sustainable Development - John Grin 2010-05-26

Over the past few decades, there has been a growing concern about the social and environmental risks which have come along with the progress achieved through a variety of mutually intertwined modernization processes. In recent years these concerns are transformed into a widely-shared sense of urgency, partly due to events such as the various pandemics threatening livestock, and increasing awareness of the risks and realities of climate change, and the energy and food crises. This sense of urgency includes an awareness that our entire social system is in need of fundamental transformation. But like the earlier transition between the 1750's and 1890's from a pre-modern to a modern industrial society, this second transition is also a contested one. Sustainable development is only one of many options. This book addresses the issue on how to understand the dynamics and governance of the second transition dynamics in order to ensure sustainable development. It will be necessary reading for students and scholars with an interest in sustainable development and long-term transformative change.

From free trade to globalization uncovering the mist of 21st century - José Alberto, Pérez Toro 2016-03-14

Much has been written about globalization as an economic and political concept. The academic debate looks forward for explanations about the historical roots and development of this emerging phenomenon where

the Nation-State's evolved into a system where nations are ruled by the dynamics of global interdependence. Globalization in the new era is characterized as a process where geographical, political and cultural borders tend to dissolve. The Westphalia notion of sovereignty capitulates against the principle of political subordination as integration of local power ensuring national legitimacy.

The Forging of the Modern State - Eric J. Evans 2018-07-16

In what has established itself as a classic study of Britain from the late eighteenth century to the mid-Victorian period, Eric J. Evans explains how the country became the world's first industrial nation. His book also explains how, and why, Britain was able to lay the foundations for what became the world's largest empire. Over the period covered by this book, Britain became the world's most powerful nation and arguably its first super-power. Economic opportunity and imperial expansion were accompanied by numerous domestic political crises which stopped short of revolution. The book ranges widely: across key political, diplomatic, social, cultural, economic and religious themes in order to convey the drama involved in a century of hectic, but generally constructive, change. Britain was still ruled by wealthy landowners in 1870 as it had been in 1783, yet the society over which they presided was unrecognisable. Victorian Britain had become an urban, industrial and commercial powerhouse. This fourth edition, coming more than fifteen years after its predecessor, has been completely revised and updated in the light of recent research. It engages more extensively with key themes, including gender, national identities and Britain's relationship with its burgeoning empire. Containing illustrations, maps, an expanded 'Framework of Events' and an extensive 'Compendium of Information' on topics such as population change, cabinet membership and significant legislation, the book is essential reading for all students of this crucial period in British history.

Modernizing Infrastructure in Transformation Economies -

Christian von Hirschhausen 2002

"This book should be thought-provoking reading for academics and practitioners with a professional interest in infrastructure services, policy design, and the agenda for infrastructure reform in transition economies. Christian von Hirschhausen's rigorous, multi-sector analysis provides a first-time attempt at a balanced assessment of conceptual and practical issues regarding a critical area of the transition to markets. The book also questions some of the generally accepted findings regarding what works and what doesn't in the restructuring of infrastructure in the former centrally-planned economies, with special attention to the political economy of reform." - José Carbajo, European Bank for Reconstruction and Development (EBRD), London, UK "The theoretical basis is impressive and the empirical evidence authentic: the book breathes the dust of Hungarian highways and the rust of Estonian power plants. In over five years of field research, the author has acquired an unmatched understanding of the topic and provides clear-cut, highly relevant policy conclusions for EU-enlargement." - Axel Siedenberg, Deutsche Bank Research / Economics, Germany "This book is an insightful study of the neglected issue of the infrastructure of transition economies in Eastern Europe and the former Soviet Union. It chronicles the socialist infrastructure's incompatibility with a market economy and its collapse using aggregate data and valuable case studies, particularly of the energy and transport sectors. Although there have been clear transition successes, the search for an optimal infrastructure policy has been elusive. Although market-based solutions have delivered less than promised due to political-economy and technological factors, their results have not proven inferior to more conservative regulatory approaches. Modernizing Infrastructure in Transformation Economies rounds out our knowledge of a key aspect of the transition process and is to be recommended to all serious scholars of transition and European integration." - Paul Gregory, University of Houston, US "This is the first comprehensive treatment of a highly topical issue. The message of this book is that transition economies need a substantial overhaul of their infrastructure, but that they should ponder gradual rather than radical ways for deregulation and privatization. Institutional, technical and financial constraints should not be ignored and "one-fits-all" type policies are inappropriate." - Irina Akimova, Institute for Economic Research, Ukraine The design of infrastructure policies is a controversial issue in the transition economies of Eastern Europe, where the dismal state of infrastructure was widely regarded to be one of the major obstacles to economic recovery and sustained growth. With the imminent enlargement of the EU, Christian von Hirschhausen provides a detailed, reflective analysis of the state of infrastructure development in Eastern Europe. The author illustrates the different approaches to modernizing

infrastructure and the successes that have been achieved in terms of fiscal relief, private investment and increased efficiency. Based upon a comparative institutional analysis and extensive field research and case studies, he provides empirical evidence from different sectors (power, gas, railways, roads, R&D), with particular emphasis on countries such as Poland, Hungary, the Czech Republic, the Baltics and Russia. Given the substantial institutional instability of the early years of transition, the author promotes a gradual but time-consistent approach to liberalization as a more promising path towards a market economy and increased efficiency. The author offers sound policy recommendations on how best to achieve the successful modernization of East European infrastructure in the course of EU-enlargement. This book will be indispensable to all researchers and academics of European integration and transition economics, policymakers in the EU, and institutions such as development banks which are active in the restructuring process in Eastern Europe and EU-enlargement.

Taming Capitalism before its Triumph - Koji Yamamoto 2018-04-20

This study examines the darker side of England's culture of economic improvement between 1640 and 1720. It is often suggested that England in this period grew strikingly confident of its prospect for unlimited growth. Indeed, merchants, inventors, and others promised to achieve immense profit and abundance. Such flowery promises were then, as now, prone to perversion, however. This volume is concerned with the taming of incipient capitalism — how a society in the past responded when promises of wealth creation went badly wrong. It reveals a history of numerous visible hands taming incipient capitalism, a story that Adam Smith and his admirers have long set aside. The notion of 'projecting' played a key role in this process. Thriving theatre, literature, and popular culture in the age of Ben Jonson began elaborating on predominantly negative images of entrepreneurs or 'projectors' as people who pursued Crown's and their own profits at the public's expense. This study examines how the ensuing public distrust came to shape the negotiation in the subsequent decades over the nature of embryonic capitalism. The result is a set of fascinating discoveries. By scrutinising greedy 'projectors', the incipient public sphere helped reorient the practices and priorities of entrepreneurs and statesmen away from the most damaging of rent-seeking behaviours. Far from being a recent response to mainstream capitalism, ideas about socially responsible business have long shaped the pursuit of wealth, power, and profit. *Taming Capitalism before its Triumph* unravels the rich history of broken promises of public service and ensuing public suspicion — a story that throws fresh light on England's 'transition to capitalism', especially the emergence of consumer society and the financial revolution towards the end of the seventeenth century.

Making Ammonia - Benjamin Johnson 2021

This Open Access book discusses the progress of science and the transfer of scientific knowledge to technological application. It also identifies the factors necessary to achieve this progress. Based on a case study of the physical chemist Fritz Haber's discovery of ammonia synthesis between 1903 and 1909, the book places Haber's work in historical and scientific (physicochemical) context. The scientific developments of the preceding century are framed in a way that emphasizes the confluence of knowledge needed for Haber's success. Against this background, Haber's work is presented in detail along with the indispensable contributions of his colleague, the physical chemist, Walter Nernst, and their assistants. The detailed accounts of scientific advancement remind us of the physical basis on which our scientific theories and ideas are built. Without this reminder we often forget how complex, and how beautiful achievements in science can be.

The Invention of Sustainability - Paul Warde 2018-07-31

The issue of sustainability, and the idea that economic growth and development might destroy its own foundations, is one of the defining political problems of our era. This ground breaking study traces the emergence of this idea, and demonstrates how sustainability was closely linked to hopes for growth, and the destiny of expanding European states, from the sixteenth century. Weaving together aspirations for power, for economic development and agricultural improvement, and ideas about forestry, climate, the sciences of the soil and of life itself, this book sets out how new knowledge and metrics led people to imagine both new horizons for progress, but also the possibility of collapse. In the nineteenth century, anxieties about sustainability, often driven by science, proliferated in debates about contemporary and historical empires and the American frontier. The fear of progress undoing itself confronted society with finding ways to live with and manage nature.

Handbook of Economic Growth - Philippe Aghion 2005-12-21

Featuring survey articles by leading economists working on growth theory, this two-volume set covers theories of economic growth, the empirics of economic growth, and growth policies and mechanisms. It also covers technology, trade and geography, and growth and socio-economic development.

Global Renewables Outlook: Energy Transformation 2050 -

International Renewable Energy Agency IRENA 2020-04-01

This outlook highlights climate-safe investment options until 2050, policies for transition and specific regional challenges. It also explores options to eventually cut emissions to zero.

Fixing Niagara Falls - Daniel Macfarlane 2020-09-01

Since the late nineteenth century, Niagara Falls has been heavily engineered to generate energy behind a flowing façade designed to appeal to tourists. *Fixing Niagara Falls* reveals the technological feats and cross-border politics that facilitated the transformation of one of the most important natural sites in North America. Daniel Macfarlane shows how this natural wonder is essentially a tap: huge tunnels around the reconfigured Falls channel the waters of the Niagara River, which ebb and flow according to the tourism calendar. This book offers a unique interdisciplinary and transborder perspective on how the Niagara landscape embodies the power of technology and nature.

Rethinking the Great Transition - Peter L. Larson 2022

This case study of two rural parishes in County Durham, England, provides an alternate view on the economic development involved in the transition from medieval to modern, partly explaining England's rise to global economic dominance in the seventeenth century. Coal mining did not come to these parishes until the nineteenth century; these are an example of agrarian expansion. Low population, favourable seigniorial administration, and a commercialised society saw the emergence of large farms on the bishopric of Durham soon after the Black Death; these secure copyhold and leasehold tenures were among the earliest known in England. Individualism developed within a strong parish and village community that encouraged growth while enforcing conformity: tenants had freedom to farm as they wished, within limits. Along with low rents, this allowed for a swift expansion of agricultural production in the sixteenth century as population rose and then as the coal trade expanded rapidly. The prosperity of these men is reflected in their lands, livestock, and consumer goods. Yet not all shared in this prosperity, as the poor and landless increased in number simply by population growth. Through reformation and rebellion, these and other parishes prospered without experiencing severe disruption or destruction. In north-eastern England, agrarian development was an evolution and not a revolution. This study shows England's economic development as a single narrative, woven together from a collection of regional experiences at different times and at different speeds.

In a New Light - Abigail Harrison Moore 2021-07-15

In the early 1970s, a German study estimated that women expended as many calories cleaning their coal-mining husbands' work clothes as their husbands did working below ground, arguably making the home as much a site of industrialized work as factories and mines. But while energy studies are beginning to acknowledge the importance of social and historical contexts and to produce more inclusive histories of the unprecedented energy transitions that powered industrialization, women have remained notably absent from these accounts. In *A New Light* explores the vital place of women in the shift to fossil fuels that spurred the Industrial Revolution, illuminating the variety of ways in which gender and energy intersected in women's lives in nineteenth- and twentieth-century Europe and North America. From their labour in the home, where they managed the adoption of new energy sources, to their work as educators in electrical housecraft and their protests against the effects of industrialization, women took on active roles to influence energy decisions. Together these essays deepen our understanding of the significance of gender in the history of energy, and of energy transitions in the history of women and gender. By foregrounding women's energetic labours and concerns, the authors shed new light on energy use in the past and provide important insights as societies move towards a carbon-neutral future.

Handbook of Sustainable Development - Giles Atkinson 2014-09-26

This timely and important Handbook takes stock of progress made in our understanding of what sustainable development actually is and how it can be measured and achieved.ø

English Towns in Transition 1500-1700 - Peter Clark 1976

Transition Pathways towards Sustainability in Agriculture - Lee-Ann Sutherland 2014-11-24

Based on the research of an interdisciplinary team of sociologists, geographers and economists, this book focuses on understanding farming transitions in Europe. The book discusses the importance of understanding transition pathways towards sustainability using case studies from Bulgaria, the Czech Republic, France, Germany, Greece, Portugal and the United Kingdom. Assessing the utility of the multi-level perspective in transition theory for addressing contemporary issues, the book identifies future research needs and possible approaches, making this an essential read for researchers interested in issues of rural and agricultural change.

The Path to Sustained Growth - E. A. Wrigley 2016-01-21

Charts Britain's transformation from the European periphery to a global economic power from the reign of Elizabeth I to Victoria.

Low Carbon Mobility Transitions - Debbie Hopkins 2016-11-30

A thorough examination of how methods of low-carbon transport can be implemented using international case studies, with contributions from recognised industry experts, academics and policy makers.

Britain's Political Economies - Julian Hoppit 2017-05-03

The Glorious Revolution of 1688-9 transformed the role of parliament in Britain and its empire. Large numbers of statutes resulted, with most concerning economic activity. Julian Hoppit here provides the first comprehensive account of these acts, revealing how government affected economic life in this critical period prior to the Industrial Revolution, and how economic interests across Britain used legislative authority for their own benefit. Through a series of case studies, he shows how ideas, interests, and information influenced statutory action in practice. Existing frameworks such as 'mercantilism' and the 'fiscal-military state' fail to capture the full richness and structural limitations of how political power influenced Britain's precocious economic development in the period. Instead, finely grained statutory action was the norm, guided more by present needs than any grand plan, with regulatory ambitions constrained by administrative limitations, and some parts of Britain benefiting much more than others.

From Political Economy to Economics through Nineteenth-Century Literature - Elaine Hadley 2019-09-26

Focusing on the transition from political economy to economics, this volume seeks to restore social content to economic abstractions through readings of nineteenth-century British and American literature. The essays gathered here, by new as well as established scholars of literature and economics, link important nineteenth-century texts and histories with present-day issues such as exploitation, income inequality, globalization, energy consumption, property ownership and rent, human capital, corporate power, and environmental degradation. Organized according to key concepts for future research, the collection has a clear interdisciplinary, humanities approach and international reach. These diverse essays will interest students and scholars in literature, history, political science, economics, sociology, law, and cultural studies, in addition to readers generally interested in the Victorian period.

The Palgrave Handbook of Managing Fossil Fuels and Energy Transitions - Geoffrey Wood 2019-11-12

This Handbook is the first volume to comprehensively analyse and problem-solve how to manage the decline of fossil fuels as the world tackles climate change and shifts towards a low-carbon energy transition. The overall findings are straight-forward and unsurprising: although fossil fuels have powered the industrialisation of many nations and improved the lives of hundreds of millions of people, another century dominated by fossil fuels would be disastrous. Fossil fuels and associated greenhouse gas emissions must be reduced to a level that avoids rising temperatures and rising risks in support of a just and sustainable energy transition. Divided into four sections and 25 contributions from global leading experts, the chapters span a wide range of energy technologies and sources including fossil fuels, carbon mitigation options, renewables, low carbon energy, energy storage, electric vehicles and energy sectors (electricity, heat and transport). They cover varied legal jurisdictions and multiple governance approaches encompassing multi- and interdisciplinary technological, environmental, social, economic, political, legal and policy perspectives with timely case studies from Africa, Asia, Australia, Europe, North America, South America and the Pacific. Providing an insightful contribution to the literature and a much-needed synthesis of the field as a whole, this book will have great appeal to decision makers, practitioners, students and scholars in the field of energy transition studies seeking a comprehensive understanding of the opportunities and challenges in managing the decline of fossil fuels.

A Short History of the British Industrial Revolution - Emma Griffin 2018-08-17

The industrial revolution stands out as a key event not simply in British history, but in world history, ushering in as it did a new era of sustained economic prosperity. But what exactly was the 'industrial revolution'? And why did it occur in Britain when it did? Ever since the expression was coined in the 19th century, historians have been debating these questions, and there now exists a large and complex historiography concerned with English industrialisation. This short history of the British Industrial Revolution, aimed at undergraduates, sets out to answer these questions. It will synthesise the latest research on British industrialisation into an exciting and interesting account of the industrial revolution. Deploying clear argument, lively language, and a fresh set of organising themes, this short history revisits one of the most central events in British history in a novel and accessible way. This is an ideal text for undergraduate students studying the Industrial Revolution or 19th Century Britain.

Bread Winner - Emma Griffin 2020-06-09

The forgotten story of how ordinary families managed financially in the Victorian era--and struggled to survive despite increasing national prosperity "A powerful story of social realities, pressures, and the fracturing of traditional structures."--Ruth Goodman, Wall Street Journal "Deeply researched and sensitive."--Simon Heffer, Daily Telegraph, "Best History Books of 2020" Nineteenth century Britain saw remarkable economic growth and a rise in real wages. But not everyone shared in the nation's wealth. Unable to earn a sufficient income themselves, working-class women were reliant on the 'breadwinner wage' of their husbands. When income failed, or was denied or squandered by errant men, families could be plunged into desperate poverty from which there was no escape. Emma Griffin unlocks the homes of Victorian England to examine the lives - and finances - of the people who lived there. Drawing on over 600 working-class autobiographies, including more than 200 written by women, Bread Winner changes our understanding of daily life in Victorian Britain.

Poverty, Income Distribution and Well-Being in Asia During the Transition - Lu Aiguo 2002-05-22

The Asian road to the market has generally been seen as a model of success and the object of widespread admiration. This volume evaluates the actual experience and debunks some of the most widespread myths. It does so by identifying the link between alternative transition models, public policies and household responses on the one hand, and key welfare changes on the other. Even in countries experiencing sustained growth, there have been unmistakable signs of deep social strain.

The Economy of Renaissance Italy - Paolo Malanima 2022-05-12

Drawing on a wide range of literature and adopting a macroeconomic approach, this book provides a comprehensive overview of the Italian economy during the Renaissance, focusing on the period between 1348, the year of the Black Death, and 1630. The Italian Renaissance played a crucial role in the formation of the modern world, with developments in culture, art, politics, philosophy, and science sitting alongside, and overlapping with, significant changes in production, forms of organization, trades, finance, agriculture, and population. Yet, it is usually argued that splendour in culture coexisted with economic depression and that the modernity of Renaissance culture coincided with an epoch of epidemics, famines, economic crisis, poverty, and destitution. This book examines both faces of the Italian economy during the Renaissance, showing that capital per worker was plentiful and productive capacity and incomes were relatively high. The endemic presence of the plague, curbing population growth, played an important role in this. It is also shown that the organization of production in industry and finance, consumerism, human capital, and mercantile rationality were the forerunners of modern-day capitalism. This book is an invaluable resource for scholars and students of the Renaissance and Italian economic history.

Global Trends 2030 - Office of the Director of National Intelligence Council 2017-03-11

This publication covers global megatrends for the next 20 years and how they will affect the United States. This is the fifth installment in the National Intelligence Council's series aimed at providing a framework for thinking about possible futures and their implications. The report is intended to stimulate strategic thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories during the next 15-20 years by identifying critical trends and potential discontinuities. The authors distinguish between megatrends, those factors that will likely occur under any scenario, and game-changers, critical variables whose trajectories are far less certain. NIC 2012-001. Several innovations are included in Global Trends 2030,

including: a review of the four previous Global Trends reports, input from academic and other experts around the world, coverage of disruptive technologies, and a chapter on the potential trajectories for the US role in the international system and the possible the impact on future international relations. Table of Contents: Introduction 1 Megatrends 6 Individual Empowerment 8 Poverty Reduction 8 An Expanding Global Middle Class 8 Education and the Gender Gap 10 Role of Communications Technologies 11 Improving Health 11 A MORE CONFLICTED IDEOLOGICAL LANDSCAPE 12 Diffusion of Power 15 THE RISE AND FALL OF COUNTRIES: NOT THE SAME OLD STORY 17 THE LIMITS OF HARD POWER IN THE WORLD OF 2030 18 Demographic Patterns 20 Widespread Aging 20 Shrinking Number of Youthful Countries 22 A New Age of Migration 23 The World as Urban 26 Growing Food, Water, and Energy Nexus 30 Food, Water, and Climate 30 A Brighter Energy Outlook 34 Game-Changers 38 The Crisis-Prone Global Economy 40 The Plight of the West 40 Crunch Time Too for the Emerging Powers 43 A Multipolar Global Economy: Inherently More Fragile? 46 The Governance Gap 48 Governance Starts at Home: Risks and Opportunities 48 INCREASED FOCUS ON EQUALITY AND OPENNESS 53 NEW GOVERNMENTAL FORMS 54 A New Regional Order? 55 Global Multilateral Cooperation 55 The Potential for Increased Conflict 59 INTRASTATE CONFLICT: CONTINUED DECLINE 59 Interstate Conflict: Chances Rising 61 Wider Scope of Regional Instability 70 The Middle East: At a Tipping Point 70 South Asia: Shocks on the Horizon 75 East Asia: Multiple Strategic Futures 76 Europe: Transforming Itself 78 Sub-Saharan Africa: Turning a Corner by 2030? 79 Latin America: More Prosperous but Inherently Fragile 81 The Impact of New Technologies 83 Information Technologies 83 AUTOMATION AND MANUFACTURING TECHNOLOGIES 87 Resource Technologies 90 Health Technologies 95 The Role of the United States 98 Steady US Role 98 Multiple Potential Scenarios for the United States' Global Role 101 Alternative Worlds 107 Stalled Engines 110 FUSION 116 Gini-out-of-the-Bottle 122 Nonstate World 128 Acknowledgements 134 GT2030 Blog References 137 Audience: Appropriate for anyone, from businesses to banks, government agencies to start-ups, the technology sector to the teaching sector, and more. This publication helps anticipate where the world will be: socially, politically, technologically, and culturally over the next few decades. Keywords: Global Trends 2030 Alternative Worlds, global trends 2030, Global Trends series, National Intelligence Council, global trajectories, global megatrends, geopolitics, geopolitical changes

The Triple Challenge for Europe - Jan Fagerberg 2015

Europe is confronted by an intimidating triple challenge: economic stagnation, climate change, and a governance crisis. This book demonstrates how these challenges are inter-related, and discusses how they can be dealt with more effectively in order to arrive at a more economically secure, environmentally sustainable and well governed Europe.

Growth in Transition - Friedrich Hinterberger 2013-03-01

Stimulating growth through adjusting macroeconomic conditions remains the principal policy responses to pressing problems of unemployment, poverty and environmental degradation. However, are the current policy approaches capable of tackling these problems by generating win-win solutions or are they the root causes of these problems? The current growth trajectory has neither lead to a reduction of our overall resource use - as we use resources and energy more efficiently we consume more - nor create the conditions for employment and well-being. Increasingly, there is the realization that it is necessary to make substantial interventions into our national economies and create better framework conditions and incentive systems in order to more widely and rapidly develop and disseminate workable, innovative solutions for realizing sustainable development. This is the task of politics, and the concrete design of the measures must be built upon a broad public debate and shared long-term visions. The authors of this book intend to trigger a dialogue among stakeholders about how we can shape this transformation process towards sustainability. Following a detailed presentation of the key arguments for reconsidering the necessary conditions for sustainable economies, an international cast of commentators from politics, administration, civil society, business and science engage with the central question: is there an alternative trajectory for Western economies that sustains wellbeing whilst confronting ecological and social breakdown?

Energy and the English Industrial Revolution - E. A. Wrigley 2010-08-19 Retrospective: 9.

Sustainable Healthcare - Knut Schroeder 2012-11-28

Sustainable Healthcare sets out a vision for medical care of high quality,

manageable cost and low impact on the planetary systems which sustain us. In tackling the major challenges of our age, such as resource depletion, loss of biodiversity and climate change, health services can play a central role, moving from being part of the problem to becoming part of the solution. Sustainable Healthcare explores questions such as: What is the relevance of sustainability in healthcare? How does climate change threaten human health? How can we create low carbon care pathways? How can healthcare organizations deal better with their waste? How can death and dying become more sustainable? How can we engage ourselves and others with this agenda? Written by an international team combining clinical, educational, practical and policy expertise in sustainability and health, this book provides a synopsis of our current predicaments, and explores some of the emerging solutions. Containing case studies and resources for further information and action, Sustainable Healthcare is a practical guide to making healthcare more sustainable for all healthcare professionals, managers and students. "Once in a while one comes across a book that makes a deep impact. Sustainable Healthcare is such a book and very timely in the context of modern healthcare and developing green policies... The book is clear in ideas of critical thinking, scientific evidence and practical suggestions for transformative action... An additional strength in this book are the summary key papers and reports including key points from the chapters. In addition, there is a comprehensive list of references in each chapter... The authors cut through the jargon and challenge the rhetoric of both fear and denial... The authors give examples of how we can engage with sustainability such as, diet and exercise, prescription management, contraception management and family planning and end of life care... The book provides useful sources, references and key actions for individuals, healthcare organisations and policy making departments." - A review by Prof Davinder Sandhu, Postgraduate Dean, Health Education South West, Severn Deanery, UK

The Dreadful Monster and its Poor Relations - Julian Hoppit 2021-05-27
 'An invaluable primer to some of the underlying tensions behind contemporary political debate' Financial Times It has always been an important part of British self-image to see the United Kingdom as an ancient, organic and sensibly managed place, in striking contrast to the convulsions of other European countries. Yet, as Julian Hoppit makes clear in this fascinating and surprising book, beneath the complacent surface the United Kingdom has in fact been in a constant, often very tense argument with itself about how it should be run and, most significantly, who should pay for what. The book takes its argument from an eighteenth century cartoon which shows the central state as the 'Dreadful Monster', gorging itself at the dinner table on all the taxes it can grab. Meanwhile the 'Poor Relations' - Scotland, Wales and Ireland, both poor because of tax but also poor in the sense of needing special treatment - are viewed in London as an endless 'drain on the state'. With drastically different levels of prosperity, population, industry, agriculture and accessibility between the United Kingdom's different nations, what is a fair basis for paying for the state?

Extraction Ecologies and the Literature of the Long Exhaustion - Elizabeth Carolyn Miller 2021-10-12
 How literature of the British imperial world contended with the social and environmental consequences of industrial mining The 1830s to the 1930s saw the rise of large-scale industrial mining in the British imperial world. Elizabeth Carolyn Miller examines how literature of this era reckoned with a new vision of civilization where humans are dependent on finite, nonrenewable stores of earthly resources, and traces how the threatening horizon of resource exhaustion worked its way into narrative form. Britain was the first nation to transition to industry based on fossil

fuels, which put its novelists and other writers in the remarkable position of mediating the emergence of extraction-based life. Miller looks at works like *Hard Times*, *The Mill on the Floss*, and *Sons and Lovers*, showing how the provincial realist novel's longstanding reliance on marriage and inheritance plots transforms against the backdrop of exhaustion to withhold the promise of reproductive futurity. She explores how adventure stories like *Treasure Island* and *Heart of Darkness* reorient fictional space toward the resource frontier. And she shows how utopian and fantasy works like "Sultana's Dream," *The Time Machine*, and *The Hobbit* offer imaginative ways of envisioning energy beyond extractivism. This illuminating book reveals how an era marked by violent mineral resource rushes gave rise to literary forms and genres that extend extractivism as a mode of environmental understanding.

The Future of Productivity - OECD 2015-12-11

This book addresses the rising productivity gap between the global frontier and other firms, and identifies a number of structural impediments constraining business start-ups, knowledge diffusion and resource allocation (such as barriers to up-scaling and relatively high rates of skill mismatch).

Prosperity without Growth - Tim Jackson 2016-12-08

What can prosperity possibly mean in a world of environmental and social limits? The publication of *Prosperity without Growth* was a landmark in the sustainability debate. Tim Jackson's piercing challenge to conventional economics openly questioned the most highly prized goal of politicians and economists alike: the continued pursuit of exponential economic growth. Its findings provoked controversy, inspired debate and led to a new wave of research building on its arguments and conclusions. This substantially revised and re-written edition updates those arguments and considerably expands upon them. Jackson demonstrates that building a 'post-growth' economy is a precise, definable and meaningful task. Starting from clear first principles, he sets out the dimensions of that task: the nature of enterprise; the quality of our working lives; the structure of investment; and the role of the money supply. He shows how the economy of tomorrow may be transformed in ways that protect employment, facilitate social investment, reduce inequality and deliver both ecological and financial stability. Seven years after it was first published, *Prosperity without Growth* is no longer a radical narrative whispered by a marginal fringe, but an essential vision of social progress in a post-crisis world. Fulfilling that vision is simply the most urgent task of our times.

The Georgians - Penelope J. Corfield 2022

A comprehensive history of the Georgians, comparing past views of these exciting, turbulent, and controversial times with our attitudes today. The Georgian era is often seen as a time of innovations. It saw the end of monarchical absolutism, global exploration and settlements overseas, the world's first industrial revolution, deep transformations in religious and cultural life, and Britain's role in the international trade in enslaved Africans. But how were these changes perceived by people at the time? And how do their viewpoints compare with attitudes today? In this wide-ranging history, Penelope J. Corfield explores every aspect of Georgian life--politics and empire, culture and society, love and violence, religion and science, industry and towns. People's responses at the time were often divided. Pessimists saw loss and decline, while optimists saw improvements and light. Out of such tensions came the Georgian culture of both experiment and resistance. Corfield emphasizes those elements of deep continuity that persisted even within major changes, and shows how new developments were challenged if their human consequences proved dire.