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Handbook of the International Political Economy of Energy and Natural Resources Edward Elgar Publishing This Handbook offers a comprehensive overview of the latest research from leading scholars on the international political economy of energy and resources. Highlighting the important conceptual and empirical themes, the chapters study all levels of governance, from global to local, and explore the wide range of issues emerging in a changing political and economic environment. Guidelines and regulations for fecal sludge management from on-site sanitation facilities IWMI Towards sustainable consumption in the Nordic Region Nordic Council of Ministers Available online: <https://pub.norden.org/nord2021-024/> This analysis sheds light on the Nordic region's environmental "spillover effect" as a result of our consumption, as well as other social effects. The results indicate that in general consumption-based emissions reveals that the global emissions continue to grow with transport as the biggest source to consumption-based CO2-e emissions from households in the Nordic countries, followed by food and housing. Also, there is a need for better due diligence, transparency and monitoring. Based on reported CO2-e intensities several shifts are suggested to be supported by policy instruments: 1. Shift from beef to other meat consumption. 2. Shift from meat to vegetables. 3. Reduce food waste. 4. Reduce air travel. 5. Shift from private cars to public transportation and soft mobility. 6. Prolong life of goods. 7. Respect human rights. 8. Reduce overall private consumption. Operational guidelines for the design, implementation and harmonization of monitoring and evaluation systems for climate-smart agriculture Operational guidelines for the design, implementation and harmonization of national-level monitoring and evaluation systems with a focus on alignment with the Paris Agreement, 2030 Agenda for Sustainable Development, and Sendai Framework for Disaster Risk Food & Agriculture Org. Monitoring and evaluation (M&E) is recognized as critically important for tracking progress, whether it serves the purpose of accountability to donors, informs future improvements to CSA practices, or contributes to the aggregate global progress toward meeting the SDGs or the global stocktake under the Paris Agreement. There has been a growing chorus acknowledging the need to align the indicators and M&E frameworks of major donors with those of the three global agreements. Monitoring and reporting has begun on the SDGs, although the development of methodologies for various indicators is an evolving process. The development of specific indicators for the agriculture sector is also well underway for the Sendai Framework. The organizations conducting this work have recognized the need to streamline these processes. For example, they have already attempted to align several of the indicators between the SDGs and the Sendai Framework. These operational guidelines aim to address the core constraints and needs of FAO Member States on both the design and implementation of M&E systems that can simultaneously address CSA and sector reporting requirements for the 2030 Agenda, the Sendai Framework and the UNFCCC Paris Agreement. First and foremost, the guidelines acknowledge the principal need expressed by Member States that M&E systems and indicators be simple and not onerous. The challenges that have always existed with regard to M&E for CSA are still present, and are particularly pronounced for pillar 2, adaptation and resilience. These challenges to the development of indicators for pillar 2 have exhibited the greatest need for attention. Philippines Country Study Guide Volume 1 Strategic Information and Developments Lulu.com Philippines Country Study Guide - Strategic Information and Developments Volume 1 Strategic Information and Developments Philippines Foreign Policy and Government Guide Volume 1 Strategic Information and Developments Lulu.com Philippines Foreign Policy and Government Guide Effective Waste Management and Circular Economy Legislative Framework and Strategies CRC Press Effective Waste Management and Circular Economy: Legislative Framework and Strategies is an invaluable resource for researchers, policymakers, implementers and PhD, graduate and Under Graduate level students in universities and colleges analysing the legal framework, strategies in waste management, circular economy adoption, use of mathematical and statistical modelling in setting waste management strategies, sanitation and Hygiene in waste management. While huge wastes are wasted by dumping, there is potential of resource circulation by enforcing legislative framework to effective resource utilisation and creating business opportunities. Circularity of resources in waste streams can contribute to a more secure, sustainable, and economically sound future through the followings: Effective legal framework, strategies and policy instruments, Adoption of circular economy and recycling technologies, Support of IoT and appropriate decision making and modelling, Adoption of alternatives to plastics and other hazardous materials, Economic feasibility as business case, commercialisation, generating employment. This book addresses most of the above issues in a lucid manner by experts in the field from different countries, which are helpful for the related stakeholders, edited by experts in the field. Sadhan Kumar Ghosh, Professor at Jadavpur University, internationally well-known expert working in varied interdisciplinary fields including waste management having research collaboration in 40 countries. Sasmita Samanta, Pro-Vice Chancellor, KIIT Deemed to be University, Bhubaneswar, Odisha, India having research experience in management & academic administration. Harish Hirani, Director at CSIR-CMERI, Durgapur, having wider fields of research in IIT Delhi with a number of research collaboration. Carlos RV Silva Filho, Director, Presidente, ABRELPE, Sao Paulo/SP - Brazil & Presidente, International Solid Waste Association, Netherlands has experience of working in number of international projects WHO Guidelines for Indoor Air Quality Selected Pollutants World Health Organization This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards. Popular Science Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better. Assessment of Fuel Economy Technologies for Light-Duty Vehicles National Academies Press Various combinations of commercially available technologies could greatly reduce fuel consumption in passenger cars, sport-utility vehicles, minivans, and other light-duty vehicles without compromising vehicle performance or safety. Assessment of Technologies for Improving Light Duty Vehicle Fuel Economy estimates the potential fuel savings and costs to consumers of available technology combinations for three types of engines: spark-ignition gasoline, compression-ignition diesel, and hybrid. According to its estimates, adopting the full combination of improved technologies in medium and large cars and pickup trucks with spark-ignition engines could reduce fuel consumption by 29 percent at an additional cost of \$2,200 to the consumer. Replacing spark-ignition engines with diesel engines and components would yield fuel savings of about 37 percent at an added cost of approximately \$5,900 per vehicle, and replacing spark-ignition engines with hybrid engines and components would reduce fuel consumption by 43 percent at an increase of \$6,000 per vehicle. The book focuses on fuel consumption--the amount of fuel consumed in a given driving distance--because energy savings are directly related to the amount of fuel used. In contrast, fuel economy measures how far a vehicle will travel with a gallon of fuel. Because fuel consumption data indicate money saved on fuel purchases and reductions in carbon dioxide emissions, the book finds that vehicle stickers should provide consumers with fuel consumption data in addition to fuel economy information. The Handbook of Global Agricultural Markets The Business and Finance of Land, Water, and Soft Commodities Springer This book is a one-stop reference for practitioners and academics in finance, business and economics, providing a holistic reference to the international agriculture business. It takes a multidisciplinary approach, looking at the issues, opportunities and investable themes in the global agricultural space, combining research and practical tools. Backpacker Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured. Sustainability Appraisal A Sourcebook and Reference Guide to International Experience Routledge Sustainability Appraisal is a sourcebook of the state-of-the-art of this rapidly emerging and diversifying area. It draws on a wealth of international experiences and approaches to illustrate the status and scope of Sustainability Appraisal/Assessment (SA) This comprehensive guide highlights how SA can be used to analyse and integrate the key environmental, social and economic pillars of sustainability into decision-making at all levels, from policy to project to investment, by government, business and industry, or international organizations. Distilling both published and unpublished materials, and with contributions from a range of leading experts, organizations and agencies, this book will be of significant value to professionals everywhere who are in need of a solid, reference guide to what constitutes SA practice and, more importantly, how and when it can be applied. Guide to Damages in International Arbitration Law Business Research Ltd. Have you ever been frustrated that arbitration folk aren't more numerate? The Guide to Damages in International Arbitration is a desktop reference work for those who'd like greater confidence when dealing with the numbers. This second edition builds upon last year's by updating and adding several new chapters on the function and role of damages experts, the applicable valuation approach, country risk premium, and damages in gas and electricity arbitrations. This edition covers all aspects of damages - from the legal principles applicable, to the main valuation techniques and their mechanics, to industry-specific questions, and topics such as tax and currency. It is designed to help all participants in the international arbitration community to discuss damages issues more effectively and communicate them better to tribunals, with the aim of producing better awards. The book is split into four parts: Part I - Legal Principles Applicable to the Award of Damages; Part II - Procedural Issues and the Use of Damages Experts; Part III - Approaches and Methods for the Assessment and Quantification of Damages; Part IV - Industry-Specific Damages Issues Increasing Access to Clean Cooking in the Philippines Challenges and Prospects Asian Development Bank In Asia and the Pacific, 1.8 billion people still rely on traditional cooking methods using fires and solid fuels. The wider uptake of cleaner cooking solutions is vital for achieving the Sustainable Development Goal 7 objective of universal access to modern, affordable, reliable, and sustainable modern energy. It is also important for the environment and human health. This publication presents the results of a study on household cooking practices in the Philippines and provides insights and recommendations to encourage clean cooking in the

country. The findings identify policy, information, technology, and financing gaps that must be addressed to boost the development and market expansion of clean cooking technologies. product guide SUMMER 2008 Lannoo Uitgeverij Routledge Handbook of Environment and Society in Asia Routledge Nowhere is the connection between society and the environment more evident and potentially more harmful for the future of the world than in Asia. In recent decades, rapid development of Asian countries with very large populations has led to an unprecedented increase in environmental problems such as air and water pollution, solid and hazardous wastes, deforestation, depletion of natural resources and extinction of native species. This handbook provides a comprehensive survey of the cultural, social and policy contexts of environmental change across East Asia. The team of international experts critically examine a wide range of environmental problems related to energy, climate change, air, land, water, fisheries, forests and wildlife. The editors conclude that, with nearly half of the human population of the planet, and several rapidly growing economies, most notably China, Asian societies will determine much of the future of human impacts on the regional and global environments. As climate change-related threats to society increase, the book strongly argues for increased environmental consciousness and action in Asian societies. This handbook is a very valuable companion for students, scholars, policy makers and researchers working on environmental issues in Asia.

Measuring Impacts and Enabling Investments in Energy-Smart Agrifood Chains Findings from four country studies Food & Agriculture Org. This publication i) illustrates how costs and benefits of energy interventions including their impacts along the agrifood value chain can be measured at country level, ii) applies the analysis to 11 country case studies, iii) identifies barriers, possible solutions, business models and success factors for the adoption of energy technologies, and iv) draws general recommendations for investors and decision makers. This report summarizes the analysis and main findings stemming from the FAO project "Investing in Energy Sustainable Technologies for the Agrifood Sector" (INVESTA). FAO has been working together with GIZ and partners of the international initiative Powering Agriculture: An Energy Grand Challenge for Development (PAEGC) since 2014. PAEGC, also partnered by the German Federal Ministry for Economic Cooperation and Development (BMZ), supports the development and deployment of clean energy innovations that increase agriculture productivity and stimulate low carbon economic growth in the agriculture sector of developing countries to help end extreme poverty and extreme hunger. Sustainable Rice Straw Management Springer Nature This open access book on straw management aims to provide a wide array of options for rice straw management that are potentially more sustainable, environmental, and profitable compared to current practice. The book is authored by expert researchers, engineers and innovators working on a range of straw management options with case studies from Vietnam, the Philippines and Cambodia. The book is written for engineers and researchers in order to provide them information on current good practice and the gaps and constraints that require further research and innovation. The book is also aimed at extension workers and farmers to help them decide on the best alternative straw management options in their area by presenting both the technological options as well as the value chains and business models required to make them work. The book will also be useful for policy makers, required by public opinion to reduce greenhouse gas emissions and air pollution, looking for research-based evidence to guide the policies they develop and implement. Climate Change 2014: Mitigation of Climate Change Cambridge University Press This latest Fifth Assessment Report of the IPCC will again form the standard reference for all those concerned with climate change and its consequences. Handbook of Biomass Downdraft Gasifier Engine Systems Biomass Energy Foundation A Biofuels Compendium Making Sense of the Biofuels Debate A Biofuels compendium that has attempted to set out policy and scientific information from reliable sources and to assist in navigating around this most complex of subjects and to provide a mini reference at the same time. The Political Economy of Gender Women and the Sexual Division of Labour in the Philippines Auteur onderzoekt de wisselwerking tussen genderideologie en de arbeidsverdeling naar sekse van de 16e tot de 20e eeuw.

Managing Health and Safety in Construction Construction (Design and Management) Regulations 2015. Guidance on Regulations Review of Maritime Transport 2020 This series contains the decisions of the Court in both the English and French texts. Business models for fecal sludge management IWMI On-site sanitation systems, such as septic tanks and pit latrines, are the predominant feature across rural and urban areas in most developing countries. However, their management is one of the most neglected sanitation challenges. While under the Millennium Development Goals (MDGs), the set-up of toilet systems received the most attention, business models for the sanitation service chain, including pit desludging, sludge transport, treatment and disposal or resource recovery, are only emerging. Based on the analysis of over 40 fecal sludge management (FSM) cases from Asia, Africa and Latin America, this report shows opportunities as well as bottlenecks that FSM is facing from an institutional and entrepreneurial perspective. Measuring the Non-Observed Economy: A Handbook OECD Publishing This essential Handbook makes underground, hidden, grey economies intelligible and consistently quantifiable. An invaluable tool for statistics producers and users and researchers, the book explains how the non-observed economy can be measured and ... Handbook on Battery Energy Storage System Asian Development Bank This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid. Nanotechnology and Human Health CRC Press Addressing medium- and long-term expectations for human health, this book reviews current scientific and technical developments in nanotechnology for biomedical, agrofood, and environmental applications. This collection of perspectives on the ethical, legal, and societal implications of bionanotechnology provides unique insight into contemporary technologies and approaches to reducing the fuel consumption of medium- and heavy-duty vehicles National Academies Press Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles evaluates various technologies and methods that could improve the fuel economy of medium- and heavy-duty vehicles, such as tractor-trailers, transit buses, and work trucks. The book also recommends approaches that federal agencies could use to regulate these vehicles' fuel consumption. Currently there are no fuel consumption standards for such vehicles, which account for about 26 percent of the transportation fuel used in the U.S. The miles-per-gallon measure used to regulate the fuel economy of passenger cars. is not appropriate for medium- and heavy-duty vehicles, which are designed above all to carry loads efficiently. Instead, any regulation of medium- and heavy-duty vehicles should use a metric that reflects the efficiency with which a vehicle moves goods or passengers, such as gallons per ton-mile, a unit that reflects the amount of fuel a vehicle would use to carry a ton of goods one mile. This is called load-specific fuel consumption (LSFC). The book estimates the improvements that various technologies could achieve over the next decade in seven vehicle types. For example, using advanced diesel engines in tractor-trailers could lower their fuel consumption by up to 20 percent by 2020, and improved aerodynamics could yield an 11 percent reduction. Hybrid powertrains could lower the fuel consumption of vehicles that stop frequently, such as garbage trucks and transit buses, by as much 35 percent in the same time frame. International Taxation of Manufacturing and Distribution Kluwer Law International B.V. The most thorough treatment of its subject available, this book introduces and analyses the international tax issues relating to international manufacturing and distribution activities, extending from the tax regime in the country where the manufacturing activities are located, through to regional purchase and sales companies, to the taxation of local country sales companies. The analysis includes the domestic tax laws relating to manufacturing and distribution company profits as well as international tax issues relating to income flows and the payment of dividends. Among the topics and issues analysed in depth are the following: - foreign tax credits; - taxation in the digital economy; - tax incentives; - intellectual property; - group treasury companies; - mergers and acquisitions; - leasing; - derivatives; - controlled foreign corporation provisions; - VAT and customs tariffs; - free trade agreements and customs unions; - transfer pricing; - role of tax treaties; - hedging; - related accounting issues; - deferred tax assets and liabilities; - tax risk management; - supply chain management; - depreciation allowances; and - carry-forward tax losses. The book includes descriptions of 21 country tax systems and ten detailed case studies applying the analysis to specific examples. Detailed up-to-date attention is paid to the OECD Action Plan on Base Erosion and Profit Shifting (BEPS) and other measures against tax avoidance. As a full-scale commentary and analysis of international taxation issues for multinational manufacturing groups - including in-depth consideration of corporate structures, tax treaties, transfer pricing, and current developments - this book is without peer. It will prove of inestimable value to all accountants, lawyers, economists, financial managers, and government officials working in international trade environments. Handbook of Liquefied Natural Gas Gulf Professional Publishing Liquefied natural gas (LNG) is a commercially attractive phase of the commodity that facilitates the efficient handling and transportation of natural gas around the world. The LNG industry, using technologies proven over decades of development, continues to expand its markets, diversify its supply chains and increase its share of the global natural gas trade. The Handbook of Liquefied Natural Gas is a timely book as the industry is currently developing new large sources of supply and the technologies have evolved in recent years to enable offshore infrastructure to develop and handle resources in more remote and harsher environments. It is the only book of its kind, covering the many aspects of the LNG supply chain from liquefaction to regasification by addressing the LNG industries' fundamentals and markets, as well as detailed engineering and design principles. A unique, well-documented, and forward-thinking work, this reference book provides an ideal platform for scientists, engineers, and other professionals involved in the LNG industry to gain a better understanding of the key basic and advanced topics relevant to LNG projects in operation and/or in planning and development. Highlights the developments in the natural gas liquefaction industries and the challenges in meeting environmental regulations Provides guidelines in utilizing the full potential of LNG assets Offers advices on LNG plant design and operation based on proven practices and design experience Emphasizes technology selection and innovation with focus on a "fit-for-purpose design Updates code and regulation, safety, and security requirements for LNG applications Sustainable Agricultural Mechanization: A Framework for Africa Food & Agriculture Org. This framework presents ten interrelated principles/elements to guide Sustainable Agricultural Mechanization in Africa (SAMA). Further, it presents the technical issues to be considered under SAMA and the options to be analysed at the country and sub regional levels. The ten key elements required in a framework for SAMA are as follows: The analysis in the framework calls for a specific approach, involving learning from other parts of the world where significant transformation of the agricultural mechanization sector has already occurred within a three-to-four decade time frame, and developing policies and programmes to realize Africa's aspirations of Zero Hunger by 2025. This approach entails the identification and prioritization of relevant and interrelated elements to help countries develop strategies and practical development plans that create synergies in line with their agricultural transformation plans. Given the unique characteristics of each country and the diverse needs of Africa due to the ecological heterogeneity and the wide range of farm sizes, the framework avoids being prescriptive. Global Innovation Index 2020 Who Will Finance Innovation? WIPO The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis. Safe Management of Wastes from Health-care Activities World Health Organization Review of the diversity of palm oil production systems in Indonesia Case study of two provinces: Riau and Jambi CIFOR This paper proposes an overview of the development of oil palm production in Indonesia combining two levels: (i) a national and historical perspective of the development of the sector; (ii) a regional approach considering two contrasting provinces, Riau and Jambi. Starting with colonial times, the national approach deals first with the main periods that punctuate the development of oil palm plantations up to the contemporary period, marked by the liberalization of the economy. It emphasizes several factors that played a strategic role in the development of palm oil production, such as the role of the State and migration. After presenting the different models that structure the relationships among stakeholders and how these relationships have

evolved, the role of small family planters is analyzed. This section ends with a review of some controversial issues: livelihood improvement, land tenure and customary rights, inclusion versus exclusion, market risks, forest and environmental threats and governance. The regional approach gives context to the development of palm oil production within two territories that have different historical backgrounds, with Jambi entering into production relatively recently. In each of the two provinces, the themes and issues involved in palm oil development identified at national level are analyzed, with specific emphasis on stakeholders' strategic behaviours. The paper concludes with a comparative perspective on both provinces. Sustainable Consumption and Production A Handbook for Policymakers UN "This Handbook is an output of UNEP's work towards the implementation of the 10-Year Framework of Programmes on Sustainable Consumption and Production (SCP). This global edition is based on a pilot edition for Asia and the Pacific region that was developed under the EU funded and UNEP managed Regional Policy Support Component of the SWITCH-Asia programme. It is designed to assist policymakers in developing, implementing, monitoring and evaluating policies that support the transition towards SCP. It includes numerous case studies highlighting SCP opportunities and existing successful initiatives from across the world."--Publisher's description. Handbook of Hazards and Disaster Risk Reduction and Management Routledge The Handbook provides a comprehensive statement and reference point for hazard and disaster research, policy making, and practice in an international and multi-disciplinary context. It offers critical reviews and appraisals of current state of the art and future development of conceptual, theoretical and practical approaches as well as empirical knowledge and available tools. Organized into five inter-related sections, this Handbook contains sixty-five contributions from leading scholars. Section one situates hazards and disasters in their broad political, cultural, economic, and environmental context. Section two contains treatments of potentially damaging natural events/phenomena organized by major earth system. Section three critically reviews progress in responding to disasters including warning, relief and recovery. Section four addresses mitigation of potential loss and prevention of disasters under two sub-headings: governance, advocacy and self-help, and communication and participation. Section five ends with a concluding chapter by the editors. The engaging international contributions reflect upon the politics and policy of how we think about and practice applied hazard research and disaster risk reduction. This Handbook provides a wealth of interdisciplinary information and will appeal to students and practitioners interested in Geography, Environment Studies and Development Studies. Child Neglect A Guide for Prevention, Assessment, and Intervention Handbook of Child Psychology and Developmental Science, Ecological Settings and Processes John Wiley & Sons The essential reference for human development theory, updated and reconceptualized The Handbook of Child Psychology and Developmental Science, a four-volume reference, is the field-defining work to which all others are compared. First published in 1946, and now in its Seventh Edition, the Handbook has long been considered the definitive guide to the field of developmental science. Volume 4: Ecological Settings and Processes in Developmental Systems is centrally concerned with the people, conditions, and events outside individuals that affect children and their development. To understand children's development it is both necessary and desirable to embrace all of these social and physical contexts. Guided by the relational developmental systems metatheory, the chapters in the volume are ordered them in a manner that begins with the near proximal contexts in which children find themselves and moving through to distal contexts that influence children in equally compelling, if less immediately manifest, ways. The volume emphasizes that the child's environment is complex, multi-dimensional, and structurally organized into interlinked contexts; children actively contribute to their development; the child and the environment are inextricably linked, and contributions of both child and environment are essential to explain or understand development. Understand the role of parents, other family members, peers, and other adults (teachers, coaches, mentors) in a child's development Discover the key neighborhood/community and institutional settings of human development Examine the role of activities, work, and media in child and adolescent development Learn about the role of medicine, law, government, war and disaster, culture, and history in contributing to the processes of human development The scholarship within this volume and, as well, across the four volumes of this edition, illustrate that developmental science is in the midst of a very exciting period. There is a paradigm shift that involves increasingly greater understanding of how to describe, explain, and optimize the course of human life for diverse individuals living within diverse contexts. This Handbook is the definitive reference for educators, policy-makers, researchers, students, and practitioners in human development, psychology, sociology, anthropology, and neuroscience.