

PATHWAYS TO SUSTAINABILITY

# GRASSROOTS INNOVATION MOVEMENTS



Adrian Smith, Mariano Fressoli,  
Dinesh Abrol, Elisa Arond and Adrian Ely



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# Grassroots Innovation Movements Pathways Sustainability

**Tobias Redlich, Manuel Moritz, Jens P.  
Wulfsberg**



## **Grassroots Innovation Movements Pathways Sustainability:**

**Grassroots Innovation Movements** Adrian Smith, Mariano Fressoli, Dinesh Abrol, Elisa Arond, Adrian Ely, 2016-08-25

Innovation is increasingly invoked by policy elites and business leaders as vital for tackling global challenges like sustainable development. Often overlooked however is the fact that networks of community groups, activists and researchers have been innovating grassroots solutions for social justice and environmental sustainability for decades. Unencumbered by disciplinary boundaries, policy silos or institutional logics, these grassroots innovation movements identify issues and questions neglected by formal science, technology and innovation organizations. Grassroots solutions arise in unconventional settings through unusual combinations of people, ideas and tools. This book examines six diverse grassroots innovation movements in India, South America and Europe, situating them in their particular dynamic historical contexts. Analysis explains why each movement frames innovation and development differently, resulting in a variety of strategies. The book explores the spaces where each of these movements have grown or attempted to do so. It critically examines the pathways they have developed for grassroots innovation and the challenges and limitations confronting their approaches. With mounting pressure for social justice in an increasingly unequal world, policy makers are exploring how to foster more inclusive innovation. In this context, grassroots experiences take on added significance. This book provides timely and relevant ideas, analysis and recommendations for activists, policy makers, students and scholars interested in encounters between innovation, development and social movements.

**Grassroots Innovation Movements** Adrian Smith, Mariano Fressoli, Dinesh Abrol, Elisa Arond, Adrian Ely, 2017. Innovation is increasingly invoked by policy elites and business leaders as vital for tackling global challenges like sustainable development. Often overlooked however is the fact that networks of community groups, activists and researchers have been innovating grassroots solutions for social justice and environmental sustainability for decades. Unencumbered by disciplinary boundaries, policy silos or institutional logics, these grassroots innovation movements identify issues and questions neglected by formal science, technology and innovation organizations. Grassroots solutions arise in unconventional settings through unusual combinations of people, ideas and tools. This book examines six diverse grassroots innovation movements in India, South America and Europe, situating them in their particular dynamic historical contexts. Analysis explains why each movement frames innovation and development differently, resulting in a variety of strategies. The book explores the spaces where each of these movements have grown or attempted to do so. It critically examines the pathways they have developed for grassroots innovation and the challenges and limitations confronting their approaches. With mounting pressure for social justice in an increasingly unequal world, policy makers are exploring how to foster more inclusive innovation. In this context, grassroots experiences take on added significance. This book provides timely and relevant ideas, analysis and recommendations for activists, policy makers, students and scholars interested in encounters between innovation, development and social movements.

Grassroots Sustainability Innovations in Sports Management: Emerging

Research and Opportunities Tortora, Marco, 2017-10-31 Progression in sustainable sports practices is an up and coming area of research that also has an overarching impact on other professional fields Analyzing the latest trends and methods in this niche area allows for further advancements in the field of sustainability Grassroots Sustainability Innovations in Sports Management Emerging Research and Opportunities is a crucial resource that offers an in depth discussion on growth in the sports sector and how incorporating sustainable practices in this field s rising trajectory can further enhance its impact Highlighting pertinent topics including innovation dynamics management studies corporate social responsibility and systemic change this publication is ideal for academicians students and researchers that are interested in expanding their knowledge of intertwining sustainable actions with sports administration     *Empires of Sustainability* Joseph Murphy, 2024-06-07 Focussing on the greening of imperialisms and empires Empires of Sustainability analyses the shift around the world from denial of the environmental crisis to action to prevent catastrophe and the resulting implications Evidence of this shift is clear in widespread and purposeful social change which is gathering momentum The book explains how globalisation accelerated us towards the crisis and today even as its own legitimacy is being questioned is evolving through solutions and responses to it Looking ahead and as the environmental crisis worsens two possible futures are discerned and explored One is that through universal actions to save the planet shaped by interweaving political and economic forces the hegemony of globalisation is restored albeit in a green form The other is that the world reorganises into competing spheres of influence with politics economics and the environment interwoven differently in each case In these ways we face the prospect of one or more Empires of Sustainability emerging over the decades ahead unless we build a better alternative society The author presents an alternative a more diverse World of Caring Places This accessible book will appeal to students and scholars of international political economy sustainability and environmental studies and analysts policy makers campaigners and others concerned about the future of relations between people and planet     Transformative Pathways to Sustainability Adrian Ely, 2021-09-02 Transformations to sustainability are increasingly the focus of research and policy discussions around the Sustainable Development Goals However the different roles played by transdisciplinary research in contributing to social transformations across diverse settings have been neglected in the literature Transformative Pathways to Sustainability responds to this gap by presenting a set of coherent theoretically informed and methodologically innovative experiments from around the world that offer important insights for this growing field The book draws on content and cases from across the Pathways Transformative Knowledge Network an international group of six regional hubs working on sustainability challenges in their own local or national contexts Each of these hubs reports on their experiences of transformation laboratory processes in the following areas sustainable agricultural and food systems for healthy livelihoods with a focus on sustainable agri food systems in the UK and open source seeds in Argentina low carbon energy and industrial transformations focussing on mobile enabled solar home systems in Kenya and social aspects of the green transformation in

China and water and waste for sustainable cities looking at Xochimilco wetland in Mexico and Gurgaon in India The book combines new empirical data from these processes with a novel analysis that represents both theoretical and methodological contributions It is especially international in its scope drawing inputs from North and South mirroring the universality of the Sustainable Development Goals The book is of vital interest to academics action researchers and funders policy makers and civil society organisations working on transformations to sustainability The Open Access version of this book available at [www.taylorfrancis.com/books/oa-edit/10.4324/9780429331930](http://www.taylorfrancis.com/books/oa-edit/10.4324/9780429331930/transformative-pathways-sustainability-pathways-network) transformative pathways sustainability pathways network has been made available under a Creative Commons Attribution Non Commercial No Derivatives 4.0 license

*EcoDesign for Sustainable Products, Services and Social Systems I* Shinichi Fukushige,Hideki Kobayashi,Eiji Yamasue,Keishiro Hara,2024-01-16 This 2 volume book highlights cutting edge ecodesign research and covers broad areas ranging from individual product and service design to social system design It includes business and policy design circular production life cycle design and management digitalization for sustainable manufacturing user behavior and health ecodesign of social infrastructure sustainability education sustainability indicators and energy system design Featuring selected papers presented at EcoDesign 2021 12th International Symposium on Environmentally Conscious Design and Inverse Manufacturing it also includes diverse interdisciplinary approaches to foster ecodesign research and activities In the context of Sustainable Development Goals SDGs in particular SDG 12 Responsible Consumption and Production it addresses design innovations for sustainable value creation considering technological developments legislation and consumer lifestyles Further the book discusses the concept of circular economy which aims to develop circular business models for resource efficient society by taking advantage of digital technologies including artificial intelligence internet of things digital twin data analysis and simulation Written by experts from academia and industry Volume 1 highlights sustainable design such as product and process design collaborative design sustainable innovation digital technologies design methodology for sustainability and energy system design The methods tools and practices described are useful for readers to facilitate value creation for sustainability

**Proceedings of I4SDG Workshop 2021** Giuseppe Quaglia,Alessandro Gasparetto,Victor Petuya,Giuseppe Carbone,2021-10-13 This volume contains the papers of the 1st Workshop IFToMM for Sustainable Development Goals I4SDG held online on November 25-26 2021 The main topics of the workshop include the aspects of theory design and practice of mechanism and machine science which are instrumental in reaching a sustainable development such as biomechanical engineering sustainable energy systems robotics and mechatronics green tribology computational kinematics dynamics of machinery industrial applications of mechanism design gearing and transmissions multibody dynamics rotor dynamics vibrations humanitarian engineering and socio technical systems for sustainable and inclusive development The contributions which were selected by means of a rigorous international peer review process highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaboration among different

specialists demonstrating that medical and service robotics will drive the technological and societal change in the coming decades *Critiquing Communication Innovation* Rolien Hoyng, Gladys Pak Lei Chong, 2022-06-01 Challenges to Silicon Valley's dominant role in conjuring and patenting the world's technological futures are arising around the world As digital media technologies emerge from new globally dispersed locations a multipolar order of communication innovation seems to be in the making Yet recovering our ability to imagine futures otherwise requires negotiating conditions economic geopolitical sociocultural and ecological rather than reproducing them under the pretext of breaking with the present The essays in this volume examine research on such conditions critically and comparatively in a variety of geographies Paying due attention to China's rise as an innovative platform society and AI powerhouse this book addresses the broader question of a shifting world order and trends that are shaped by China's influence but that extend beyond its borders Looking at multipolar communication innovation through various critical lenses our technological futures simultaneously appear to be old new and uncertain while the infrastructures and platforms underpinning communication innovation both affiliate communities and set them apart **Co-Creation** Tobias Redlich, Manuel Moritz, Jens P. Wulfsberg, 2018-11-19 Across several industries we are observing a paradigm shift from traditional firm centric and top down value creation to more open and collaborative approaches also referred to as bottom up economics The boundaries of firms dissolve and external actors customers user suppliers etc enter the domain of value creation by means of advanced information and communication technologies These new and evolving patterns require a renewed and interdisciplinary understanding of how co creation enables organizations to reshape business and society With contributions from industrial and academic experts this book provides deep insights into the theory and practice of bottom up economics and addresses the major opportunities and challenges that have emerged in the era of co creation A must read for decision makers looking to innovate their companies business models from ideation to marketing Dr Ing Michaela Colla K GXI Leader Industry 4.0 at Volkswagen Simply put co creation is the future of work With technology morphing the way we work and young people wanting to tackle problems that matter co creation is the sandbox where the world can come together to solve big challenges Plus co creation rapidly delivers products with built in market fit Megan Brewster Vice President of Advanced Manufacturing at Launch Forth Successful leaders will co create the future This book is an excellent starting point J rgen Bilo Managing Director co pace GmbH The Startup Organisation of Continental AG **Sustainability in Transition** Travis Gliedt, Kelli Larson, 2018-07-04

**Sustainability in Transition** Principles for Developing Solutions offers the first in depth education focused treatment of how to address sustainability in a comprehensive manner The textbook is structured as a learning centered approach to walk students through the process of linking sustainable behavior and decision making to green innovation systems and triple bottom line economic development practices in order to achieve sustainable change in incremental to transformational ways All chapters combine theory and practice with the help of global case study and research study examples to illustrate barriers

and best practices Each chapter begins with learning objectives and ends with a check on learning section that ties the main points back to the core themes of the book Chapters include a section focused on measuring progress and a box comparing international research or case studies to the North American focus of the chapter A list of additional academic sources for students that complement each chapter is included Building sustainability tools techniques and competencies cumulatively with the help of problem and project based learning modules Sustainability in Transition Principles for Developing Solutions is a comprehensive resource for learning sustainability theory and doing sustainability practice It will be essential reading for advanced undergraduate and graduate level students who have already completed introductory sustainability classes

Territorial Policy and Governance Iain Deas, Stephen Hincks, 2017-02-24 In response to both policy and conceptual debates alternative narratives have begun to emerge about territorial governance and policymaking As local and regional policy actors strive to respond to the geographically uneven effects of the economic crises of the early twenty first century a crucial question emerges what are the opportunities and challenges presented by alternative forms of territorially based governance and policy The aim of this edited volume therefore is critically to explore the opportunities and challenges presented by different forms of territorial policy and governance Drawing on conceptual debates and empirical research from the United Kingdom and other international contexts the contributors engage with issues around the politics and governance of territorial development economic development planning and regeneration and the environment Territorial Policy and Governance addresses the question of how alternative forms of territorial governance and policy can help to shape patterns of urban and regional development highlighting the related opportunities constraints and challenges that confront their operationalisation This book will be essential reading for international audiences with an interest in territorial development governance politics human geography and planning and regeneration

*New Models of Inclusive Innovation for Development* Richard Heeks, Christopher Foster, Yanuar Nugroho, 2017-10-02 Inequality and innovation are both rising issues on the international development agenda Their intersection is inclusive innovation defined as the inclusion within some aspect of innovation of groups who are currently marginalised This is a topic of increasing interest and activity Large firms have been working to deliver innovative goods and services for base of the pyramid consumers the c 3 billion who live on less than US 2 per day Within poor communities an influx of new technology finance and capabilities has spurred more localised innovation A variety of different models have been identified by which this activity is organised and implemented such as inclusive innovation clusters grassroots innovation frugal innovation innovation platforms and inclusive user producer interactions This book explores the operation conceptualisation and impact of these models and analyses the nature of inclusive innovation practice and research It will be of interest to researchers policy makers strategists and other practitioners associated with these new forms of innovation This book was originally published as a special issue of Innovation and Development

**Repensando el desarrollo económico local desde Colombia** Sergio Montero

Muñoz,2021-01-01 Desde mediados del siglo XX en Colombia se han implementado políticas e instrumentos de desarrollo local y regional inspirados en las ideas dominantes de modernización y desarrollo que se impusieron tras la Segunda Guerra Mundial en Europa y en Estados Unidos Este libro surge de la idea de que parte del fracaso de las políticas de desarrollo local y regional para combatir la desigualdad en Colombia tiene que ver con la adopción acrítica de paradigmas teóricos y buenas prácticas de otras latitudes que se han reproducido sin una adaptación a las condiciones históricas económicas y sociopolíticas de los territorios del país Esta obra propone repensar las bases teóricas del desarrollo económico local desde Colombia a través de cinco ejes clave la relación entre conflicto económicas ilegales y desarrollo económico local la necesidad de una visión de género la biodiversidad las dinámicas de informalidad lites y diversidad de la gobernanza de ciudades intermedias y pequeñas y la innovación como un proceso social y transformativo Este libro es una herramienta útil para todos aquellos que quieran contribuir al desarrollo económico local colombiano y en particular al de los territorios más pobres y periféricos del país

*Food Waste Reduction and Valorisation* Piergiuseppe Morone, Franka Papendiek, Valentina Elena Tartiu,2017-04-26 This book adds a new dimension to the sustainability assessment of food waste reduction and valorisation policy analysis Featuring a transdisciplinary analysis by key experts in the field it identifies the drivers of change in food waste reduction and valorisation technologies by looking for example at the regulatory framework and at policy actions undertaken by local and global actors The book explores the development of regulations and policies for food waste prevention management and valorisation at a global as well as European Union level It also discusses the notion of food waste in legal terms and investigates the effects of the lack of a standard universal definition of food waste on the efficient use of by products promising processes and products for technological and commercial exploitation Utilising mathematical mapping methods to assess food consumption impacts and providing supply chain models that allow the testing of consumption scenarios the book goes on to discuss a series of emerging technologies tested at lab scale and or pilot scale and opportunities for the valorisation of food waste

*Gender Equality and Sustainable Development* Melissa Leach,2015-07-30 For pathways to be truly sustainable and advance gender equality and the rights and capabilities of women and girls those whose lives and well being are at stake must be involved in leading the way Gender Equality and Sustainable Development calls for policies investments and initiatives in sustainable development that recognize women's knowledge agency and decision making as fundamental Four key sets of issues work and industrial production population and reproduction food and agriculture and water sanitation and energy provide focal lenses through which these challenges are considered Perspectives from new feminist political ecology and economy are integrated alongside issues of rights relations and power The book untangles the complex interactions between different dimensions of gender relations and of sustainability and explores how policy and activism can build synergies between them Finally this book demonstrates how plural pathways are possible underpinned by different narratives about gender and sustainability and how the choices



between these are ultimately political This timely book will be of great interest to students scholars practitioners and policy makers working on gender sustainable development development studies and ecological economics

**Interdisziplinäre Perspektiven zur Zukunft der Wertschöpfung** Tobias Redlich,Manuel Moritz,Jens P. Wulfsberg,2017-12-04 In diesem Werk wird die Wertschöpfung der Zukunft auf Grundlage neuester Forschungsergebnisse im Rahmen eines interdisziplinären Ansatzes von Wissenschaftlerinnen und Wissenschaftlern aus den Technik Wirtschafts Sozial und Rechtswissenschaften diskutiert Technologische Treiber und rechtliche Aspekte werden dabei ebenso beleuchtet wie die ökonomischen und soziokulturellen Chancen und Herausforderungen die sich infolge zunehmend kollaborativer und dezentraler Wertschöpfungsprozesse ergeben

**Environmentalism - Pathways to Life for Humanity and Sustainability** Medani P. Bhandari,2025-04-29 This is a comprehensive exploration of the diverse challenges and solutions related to environmentalism and sustainability It bridges the gaps between theory and practice offering practical insights for academics policymakers and change agents It also inspires informed action and collaborative efforts for creating a sustainable future offering new knowledge to those who care deeply about the planet and humanity's future The book begins with the evolution of environmentalism tracing how ecological awareness has shaped global movements and policies It also delves into theories of sustainability demonstrating their relevance in addressing contemporary environmental crises Central to the discussion is the concept of resource inequality revealing how disproportionate resource access hinders global development and sustainability It also explores the sustainable development goals SDGs presenting them as vital frameworks for policy and action alongside climate change mitigation strategies like renewable energy carbon sequestration and biodiversity conservation In the context of social equity and environmental justice it addresses global disparities underscoring the need for inclusive and fair solutions Technological innovation is presented as a key driver for transforming economies into more sustainable models including the circular economy and green finance Furthermore the book highlights behavioral change mental health and well being as integral to advancing environmentalism Corporate responsibility and global cooperation are examined for their roles in driving collective action and the book emphasizes the importance of these stakeholders in addressing the environmental crisis It also introduces the epistemology of the development economy providing a fresh lens on sustainability that can inform both academic inquiry and practical applications

**The Oxford Handbook of Energy and Society** Dr. Debra J. Davidson,Dr. Matthias Gross,2018-07-11 The Oxford Handbook of Energy and Society presents an overview of this expanding area that has evolved dramatically over the past decade away from one largely dominated by structural political economic treatments on the one hand and social psychological studies of individual level attitudes and behaviors on the other toward a far more conceptually and methodologically rich and exciting field that brings in for example social practices system complexity risk theory social studies of science and social movements theories This volume seeks to capture the variety of scales and methods and range of both conceptual and empirical analyses that define the field while

drawing particular attention to indigenous peoples poverty political power communities and cities Organized into seven sections chapters cover social theory and energy society relations political economic perspectives consumption dynamics energy equity and energy poverty energy and publics energy and governance as well as emerging trends

**People-Centered Social Innovation** Swati Banerjee, Stephen Carney, Lars Hulgard, 2019-07-10 Social Innovation is emerging as an alternate interdisciplinary development pathway of knowledge and practice that aims to understand and address contemporary complexities and multi dimensional social realities BEPA 2011 defines social innovation as innovations that are social in both their ends and means However though Social Innovation is a widely used term its conceptual understanding and the specific relation to social change remains under explored People Centered Social Innovation Global perspectives on an Emerging Paradigm attempts to revisit and extend the existing understanding of Social Innovation in practice by focusing upon the lived realities of marginalized groups and communities The emerging field of people centered development is placed in dialogue with theory and concepts from the more established field of social innovation to create a new approach one that adopts a global perspective engaging with very different experiences of marginality across the global north and south Theoretically People Centered Social Innovation Global Perspectives on an Emerging Paradigm draws upon northern understandings of change and improvement as well as southern theory concerns for epistemological diversity and meaning making The result is an experiment aimed at reimagining research and practice that seriously needs to center the actor in processes of social transformation     Encyclopedia of Social Innovation Jürgen Howaldt, Christoph Kaletka, 2023-10-06 This invaluable Encyclopedia presents an interdisciplinary and comprehensive overview of the field of social innovation providing an insightful view into potential future developments both practically and theoretically This title contains one or more Open Access chapters

Uncover the mysteries within Crafted by is enigmatic creation, **Grassroots Innovation Movements Pathways Sustainability** . This downloadable ebook, shrouded in suspense, is available in a PDF format ( PDF Size: \*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

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