



Sustainable Land Management Sourcebook



THE WORLD BANK

Sustainable Land Management Agriculture And Rural Development Series

Jules N. Pretty, Parviz Koohafkan



Sustainable Land Management Agriculture And Rural Development Series:

Sustainable Land Management Sourcebook, 2008 The Sustainable Land Management Sourcebook is a resource of good practice information on land and natural resource management issues that will be of operational relevance to practitioners in the tropics and sub tropics The Sourcebook covers a comprehensive range of topics on the technical issues of land and natural resource management and is presented in a way that will facilitate use by both experts and lay readers The text is well illustrated with graphs and photos and for the more specialized reader key references and web links to institutional reference databases are provided *Sustainable Land Management Sourcebook* World Bank, 2008-06-17

Policies promoting pro poor agricultural growth are the key to helping countries achieve the Millennium Development Goals especially the goal of halving poverty and hunger by 2015 The public sector private sector and civil society organizations are working to enhance productivity and competitiveness of the agricultural sector to reduce rural poverty and sustain the natural resource base The pathways involve participation by rural communities science and technology knowledge generation and further learning capacity enhancement and institution building Sustainable land management SLM an essential component of such policies will help to ensure the productivity of agriculture forestry fisheries and hydrology SLM will also support a range of ecosystem services on which agriculture depends The Sustainable Land Management Sourcebook provides a knowledge repository of tested practices and innovative resource management approaches that are currently being tested The diverse menu of options represents the current state of the art of good land management practices Section one identifies the need and scope for SLM and food production in relation to cross sector issues such as freshwater and forest resources regional climate and air quality and interactions with biodiversity conservation and increasingly valuable ecosystem services Section two categorizes the diversity of land management systems globally and the strategies for improving household livelihoods in each system type Section three presents a range of investment notes that summarize good practice as well as innovative activity profiles that highlight design of successful or innovative investments Section four identifies easy to access Web based resources relevant for land and natural resource managers The Sourcebook is a living document that will be periodically updated and expanded as new material and findings become available on good land management practices This book will be of interest to project managers and practitioners working to enhance land and natural resource management in developing countries *Sustainable Land Management* World Bank, 2006-06-23

Land is the integrating component of all livelihoods depending on farm forest rangeland or water rivers lakes coastal marine habitats Due to varying political social and economic factors the heavy use of natural resources to supply a rapidly growing global population and economy has resulted in the unintended mismanagement and degradation of land and ecosystems Sustainable Land Management provides strategic focus to the implementation of sustainable land management SLM components of the World Bank s development strategies SLM is a knowledge based procedure that integrates land water biodiversity and

environmental management to meet rising food and fiber demands while sustaining livelihoods and the environment This book aimed at policy makers project managers and development organization articulates priorities for investment in SLM and natural resource management and identifies the policy institutional and incentive reform options that will accelerate the adoption of SLM productivity improvements and pro poor growth **Sustainable Land Management** World Bank,2006 Land is the integrating component of all livelihoods depending on farm forest rangeland or water rivers lakes coastal marine habitats Due to varying political social and economic factors the heavy use of natural resources to supply a rapidly growing global population and economy has resulted in the unintended mismanagement and degradation of land and ecosystems Sustainable Land Management provides strategic focus to the implementation of sustainable land management SLM components of the World Bank s development strategies SLM is a knowledge based procedure that integrates land water biodiversity and environmental management to meet rising food and fiber demands while sustainaing livelihoods and the environment This book aimed at policy makers project managers and development organization articulates priorities for investment in SLM and natural resource management and indentifies the policy institutional and incentive reform options that will accelerate the adoption of SLM productivity improvements and pro poor growth *Sustainable Land Management* ,2006 Land is the integrating component of all livelihoods depending on farm forest rangeland or water rivers lakes coastal marine habitats Due to varying political social and economic factors the heavy use of natural resources to supply a rapidly growing global population and economy has resulted in the unintended mismanagement and degradation of land and ecosystems Sustainable Land Management provides strategic focus to the implementation of sustainable land management SLM components of the World Bank s development strategies SLM is a knowledge based procedure that integrates land water biodiversity and environmental management to meet rising food and fiber demands while sustainaing livelihoods and the environment This book aimed at policy makers project managers and development organization articulates priorities for investment in SLM and natural resource management and indentifies the policy institutional and incentive reform options that will accelerate the adoption of SLM productivity improvements and pro poor growth Indicators of Land Quality and Sustainable Land Management J. Dumanski,S. Gameda,Christian J. M. G. Pieri,1998-01-01 This bibliography is a review of available information on indicators of sustainable land management and land quality The report compiles organizes and summarizes available data and information on indicators and makes them accessible through the World Wide Web email and as printed reports It is useful for research on indicators of sustainability as well as for decisionmakers faced with implementing a sustainable land management component in rural development projects **What's Cooking** Kateryna Schroeder,Julian Lampietti,Ghada Elabed,2021-04-20 The digital agriculture revolution holds a promise to build an agriculture and food system that is efficient environmentally sustainable and equitable one that can help deliver the Sustainable Development Goals Unlike past technological revolutions in agriculture which began on farms the current

revolution is being sparked at multiple points along the agrifood value chain. The change is driven by the ability to collect and use and analyze massive amounts of machine-readable data about practically every aspect of the value chain and by the emergence of digital platforms disrupting existing business models. All this allows for drastically reduced transaction costs and pervasive information asymmetries that plague the agrifood system. The success of the digital transformation, however, is not guaranteed as the risks it brings are numerous, including those related to data governance and inadequate competition within and between digital platforms.

What's Cooking: Digital Transformation of the Agrifood System investigates how digital technologies can accelerate the transformation of the agrifood system by increasing efficiency on the farm, improving farmers' access to output, input, and financial markets, strengthening quality control and traceability, and improving the design and delivery of agriculture policies. It also identifies a key role for the public sector in maximizing the benefits of this process while minimizing its risks through enabling an innovation ecosystem featuring open datasets, digital platforms, digital entrepreneurship, digital payment systems, and digital skills, and encouraging equitable technology adoption.

Gender in Agriculture Sourcebook World Bank, Food and Agriculture Organization (FAO), International Fund for Agricultural Development (IFAD), 2008-10-07. The Gender in Agriculture Sourcebook provides an up-to-date understanding of gender issues and a rich compilation of compelling evidence of good practices and lessons learned to guide practitioners in integrating gender dimensions into agricultural projects and programs. It serves as a tool for guidance, showcasing key principles in integrating gender into projects, stimulating the imagination of practitioners to apply lessons learned, experiences, and innovations to the design of future support and investment in the agriculture sector. The Sourcebook draws on a wide range of experience from World Bank, Food and Agriculture Organization, FAO, International Fund for Agricultural Development, IFAD, and other donor agencies, governments, institutions, and groups active in agricultural development. The Sourcebook looks at access to and control of assets, access to markets, information, and organization, and capacity to manage risk and vulnerability through a gender lens. There are 16 modules covering themes of cross-cutting importance for agriculture with strong gender dimensions: Policy, Public Administration and Governance, Agricultural Innovation and Education, Food Security, Markets, Rural Finance, Rural Infrastructure, Water, Land, Labor, Natural Resource Management, and Disaster and Post-Conflict Management, and specific subsectors in agriculture: Crops, Livestock, Forestry, and Fisheries. A separate module on Monitoring and Evaluation is included, responding to the need to track implementation and development impact. Each module contains three different sub-units: 1. A Module Overview gives a broad introduction to the topic and provides a summary of major development issues in the sector and rationale of looking at gender dimension; 2. Thematic Notes provide a brief and technically sound guide in gender integration in selected themes with lessons learned, guidelines, checklists, organizing principles, key questions, and key performance indicators; and 3. Innovative Activity Profiles describe the design and innovative features of recent and exciting projects and activities that have been implemented or are ongoing.

The Land Governance Assessment Framework Klaus Deininger, Harris Selod, Anthony Burns, 2012 Increased global demand for land posits the need for well designed country level land policies to protect long held rights facilitate land access and address any constraints that land policy may pose for broader growth While the implementation of land reforms can be a lengthy process the need to swiftly identify key land policy challenges and devise responses that allow the monitoring of progress in a way that minimizes conflicts and supports broader development goals is clear The Land Governance Assessment Framework LGAF makes a substantive contribution to the land sector by providing a quick and innovative tool to monitor land governance at the country level The LGAF offers a comprehensive diagnostic tool that covers five main areas for policy intervention Legal and institutional framework Land use planning management and taxation Management of public land Public provision of land information and Dispute resolution and conflict management The LGAF assesses these areas through a set of detailed indicators that are rated on a scale of pre coded statements from lack of good governance to good practice While land governance can be highly technical in nature and tends to be addressed in a partial and sporadic manner the LGAF posits a tool for a comprehensive assessment taking into account the broad range of issues that land governance encompasses while enabling those unfamiliar with land to grasp its full complexity The LGAF will make it possible for policymakers to make sense of the technical levels of the land sector benchmark governance identify areas that require further attention and monitor progress It is intended to assist countries in prioritizing reforms in the land sector by providing a holistic diagnostic review that can inform policy dialogue in a clear and targeted manner In addition to presenting the LGAF tool this book includes detailed case studies on its implementation in five selected countries Peru the Kyrgyz Republic Ethiopia Indonesia and Tanzania

The Safe Food Imperative Steven Jaffee, Spencer Henson, Laurian Unnevehr, Delia Grace, Emilie Cassou, 2018-12-11 Food safety hazards are increasingly being recognized as a major public health problem worldwide yet among developing countries there is limited understanding of the wider ranging socio economic costs of unsafe food and the benefits of remedial or preventative measures This limited evidence base has led many countries to underinvest in food safety or invest inefficiently in reaction to serious outbreaks of foodborne illness other food scares or trade interruptions For many countries experiencing rapid urbanization and dietary changes the growing complexity of food safety hazards is outpacing if not overwhelming prevailing food safety management capacity both in government and in supply chains This report strengthens the economic case for increased public investment and other policy attention on food safety in developing countries It is directed primarily at policy makers although researchers development practitioners and food safety specialists will also find its content of value By synthesizing and interpreting the available evidence on the economic costs of unsafe food in relation to both domestic markets and trade the report positions food safety as an integral part of economic development and food system modernization It goes on to provide guidance on ways in which public policy and investment can improve food safety awareness and behavior from farm to fork

Historical Dictionary of the World Bank Sarah

Tenney, Anne C. Salda, 2013-10-30 When it was founded back in 1944 no one could possibly have foreseen how the World Bank known more formally as the International Bank for Reconstruction and Development IBRD would flourish Today with 188 members it is by far the largest lender for projects in agriculture health infrastructure and many other fields in developing countries around the world with a budget of billions of dollars and a staff of more than 9 000 and its advice is usually heeded by both the developing countries which borrow from it and the advanced ones which contribute This second edition of the Historical Dictionary of the World Bank shows the substantial progress the Bank has made this mainly through the dictionary section with concise entries on its component institutions related organizations its achievements in various fields some of the major projects and member countries and its various presidents The introduction explains how the Bank works while the chronology traces the major events over nearly 70 years Meanwhile the list of acronyms reminds us just who the main players are And the bibliography directs readers to useful internal documentation and outside studies

Publications Catalog World Bank, 2009-07 **Guidelines for the Integration of Sustainable Agriculture and Rural Development Into Agricultural Policies** J. B. Hardaker, Food and Agriculture Organization of the United Nations, 1997-01-01 Policy objectives for Sustainable Agriculture and Rural Development SARD may be summed up as the pursuit of the goals of growth equity efficiency and sustainability Growth is important to meet the food needs of growing populations with rising incomes and to provide continued sustainable livelihoods for rural people in the future Equity is important in terms of the relief of poverty and deprivation for this and future generations Efficiency matters since we cannot afford to waste resources Finally sustainability is the objective that has come into increased prominence with the recognition of the significant threats that exist to future welfare and the environment Sustainability has many dimensions and interpretations but in the context of agriculture embraces food security responsibility in resource use and environmental management and the resilience of production systems to shocks and challenges There is interdependence between each of these four objectives so that the pursuit of SARD requires an integrated approach to policy making in which all four aspects are considered Publisher s description *Insect and Hydroponic Farming in Africa* Dorte Verner, Nanna Roos, Afton Halloran, Glenn Surabian, Maximillian Ashwill, Saleema Vellani, Yasuo Konishi, 2021-12-16 Interestingly some relief from today s woes may come from ancient human practices While current agri food production models rely on abundant supplies of water energy and arable land and generate significant greenhouse gas emissions in addition to forest and biodiversity loss past practices point toward more affordable and sustainable paths Different forms of insect farming and soilless crop farming or hydroponics have existed for centuries In this report the authors make a persuasive case that frontier agriculture particularly insect and hydroponic farming can complement conventional agriculture Both technologies reuse society s agricultural and organic industrial waste to produce nutritious food and animal feed without continuing to deplete the planet s land and water resources thereby converting the world s wasteful linear food economy into a sustainable circular food

economy As the report shows insect and hydroponic farming can create jobs diversify livelihoods improve nutrition and provide many other benefits in African and fragile conflict affected countries Together with other investments in climate smart agriculture such as trees on farms alternate wetting and drying rice systems conservation agriculture and sustainable livestock these technologies are part of a promising menu of solutions that can help countries move their land food water and agriculture systems toward greater sustainability and reduced emissions This is a key consideration as the World Bank renews its commitment to support countries climate action plans This book is the Bank s first attempt to look at insect and hydroponic farming as possible solutions to the world s climate and food and nutrition security crisis and may represent a new chapter in the Bank s evolving efforts to help feed and sustain the planet *Sustainable Land Management* Floor Brouwer,2008-10-31 In large parts of the world the reduction in the viability of agriculture and rural areas is an escalating problem Sustainable Land Management offers a contemporary overview of the strategies employed to cope with the marginalisation of agriculture through analyses of case studies and regional trends in marginalisation The authors argue that complexities and driving forces governing marginalisation are not always the same across nations and regions due to climate geography economics legislation and political status This book illustrates in what form these complexities exist and how these unravel at the national and regional levels As the need to understand and cope with marginalisation processes has developed the concept of multi functionality has also gained a vital place in the string of coping strategies This work contributes essential knowledge for the development of marginalisation mitigation policy actions across the globe Informative and well documented this book will appeal to those researching and working in the fields of agricultural and resource economics rural geography environmental governance and sustainable development Integrated Land Use Planning for Sustainable Agriculture and Rural Development M. V. Rao,V. Suresh Babu,Suman Chandra,G. Ravindra Chary,2015-08-18 Land represents an important resource for the economic life of a majority of people in the world The way people handle and use land resources impacts their social and economic well being as well as the sustained quality of land resources Land use planning is also integral to water resources development and management for agriculture industry dr

Land Use, Land Cover and Soil Sciences - Volume I Willy H. Verheye,2009-09-09 This Encyclopedia of Land Use Land Cover and Soil Sciences is a component of the global Encyclopedia of Life Support Systems EOLSS which is an integrated compendium of twenty one Encyclopedias Land is one of our most precious assets It represents space provides food and shelter stores and filters water and it is a base for urban and industrial development road construction leisure and many other social activities Land is however not unlimited in extent and even when it is physically available its use is not necessarily free either because of natural limitations too cold too steep too wet or too dry etc or because of constraints of access or land tenure This 7 volume set contains several chapters each of size 5000 30000 words with perspectives applications and extensive illustrations It carries state of the art knowledge in the fields of Land Use Land Cover and Soil

Sciences and is aimed by virtue of the several applications at the following five major target audiences University and College Students Educators Professional Practitioners Research Personnel and Policy Analysts Managers and Decision Makers and NGOs Overview of water and soil nutrient management under smallholder rain-fed agriculture in East Africa Mati, Bancy Mbura,2006-05-02 Agricultural extension Agroforestry Farmers associations Non governmental organizations Fertilizers Soil fertility Water storage Pitcher irrigation Spate irrigation Sugarcane Bunds Cropping systems Ridging Tillage Terraces Water harvesting Water conservation Soil conservation **Land and Agriculture** Jules N. Pretty,Parviz Koochafkan,2002 This compendium of recent sustainable development initiatives in the field of agriculture and land management has been developed as a supporting document for the Task Manager s Report on the Land and Agriculture Cluster for Chapters 10 12 and 14 of Agenda 21 The report draws together 75 cases for over 45 countries illustrating the many features of improved land management and sustainable agriculture and rural development These are intended to provide important supporting evidence of the progress in the implementation of the United Nations Conference on Environment and Development UNCED Agenda 21 and the need for further upscaling of these cases to address the challenges of poverty hunger and sustainable development **Land Quality Indicators and Their Use in Sustainable Agriculture and Rural Development** Food and Agriculture Organization of the United Nations. Land and Water Development Division,1997

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