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Looking Ahead in World Food and Agriculture Report of the Council of FAO
Agriculture & Food Systems To 2050: Global Trends, Challenges And Opportunities AFRICA SUSTAINABLE LIVESTOCK 2050 FAO Strategy on Climate Change A multi-billion-dollar opportunity - Repurposing agricultural support to transform food systems
The United Nations World Water Development Report Policy guide to improve water productivity in small-scale agriculture The State of Food and Agriculture: Mid Decade Review of Food and Agriculture. 1985 The Ecological Hoofprint Evaluation of FAO's support to climate action (SDG 13) and the implementation of the FAO Strategy on Climate Change (2017) Food Security Governance Agricultural Risk Transfer Pastoralism - Making variability work Water Productivity and Food Security Aid Effectiveness for Environmental Sustainability Food Waste Recovery Progress towards sustainable agriculture - Drivers of change National gender profile of agriculture and rural livelihoods - United Republic of Tanzania Measuring progress towards sustainable agriculture Food systems at risk Environmental Issues Surrounding Human Overpopulation Report of the Council of Fao, 104th, Held Rome, November 2-5, 1993 OECD-FAO Agricultural Outlook 2009 Grand Transitions Sustainable and nutrition-sensitive food systems for healthy diets and prevention of malnutrition in Europe and Central Asia A learning framework for inclusive, integrated and innovative public policy cycles for family farming Water, Sustainable Development and the Nexus Digital agriculture in action Rethinking Food and Agriculture Waste: Uncovering the Global Food Scandal

Understanding Emerging Security Challenges The Future Use of Nordic Forests The State of the World's Land and Water Resources for Food and Agriculture Policy responses to COVID-19 crisis in Near East and North Africa - keeping food and agricultural systems alive Investment costs and policy action opportunities for reaching a world without hunger (SDG2). Joint Report Ten promising pathways to GHG emission reduction in the global food system

contextualizes the role of international agricultural research in addressing the complex challenges posed by un 2030 agenda and beyond and identifies the decisions that scientific leaders donors and policy makers need to take today and in the years ahead to ensure that a global population rising to nine billion or more combined with rising incomes and changing diets can be fed sustainably and equitably in the face of the growing climate threats

Agriculture & Food Systems To 2050: Global Trends, Challenges And Opportunities

2018-09-27

in light of projected increases in demand for animal source foods in africa this report presents the consensus reached at the asl2050 meeting to gather qualitative and quantitative data on livestock systems and ensure sustainable livestock development

AFRICA SUSTAINABLE LIVESTOCK 2050

2018-06-12

climate change is a top corporate priority for fao through this newly endorsed strategy on climate change fao aims to enhance the institutional and technical capacities of member states improve the integration of food security agriculture forestry and fisheries within the international climate agenda and strengthen the internal coordination and delivery of fao s work

FAO Strategy on Climate Change

2021-09-14

public support mechanisms for agriculture in many cases hinder the transformation towards healthier more sustainable equitable and efficient food systems thus actively steering us away from meeting the sustainable development goals and targets of the paris agreement this report sets out the compelling case for repurposing harmful agricultural producer support to reverse this situation by optimizing the use of scarce public resources strengthening economic recovery from the covid 19 pandemic and ultimately driving a food systems transformation that can support global sustainable development commitments the report provides policymakers with an updated estimate of past and current agricultural producer support for 88 countries projected up until 2030 the trends emerging from the analysis are a clear call for action at country regional and global levels to phase out the most distortive environmentally and socially harmful support such as price incentives and coupled subsidies and redirecting it towards investments in public goods and services for agriculture such as research and development and infrastructure as well as decoupled fiscal subsidies overall the analysis highlights that while removing and or reducing harmful agricultural support is necessary repurposing initiatives that include measures to minimize policy trade offs will be needed to ensure a beneficial outcome overall the report confirms that while a few countries have started repurposing and reforming agricultural support broader deeper and faster reforms are needed for food systems transformation thus it provides guidance in six steps on how governments can repurpose agricultural producer support and the reforms this will take

A multi-billion-dollar opportunity - Repurposing agricultural support to transform food systems

2014-02-28

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2021-03-22

water is a finite and non substitutable resource as the foundation of life societies and economies it carries multiple values and benefits but unlike most other natural resources it has proven extremely difficult to determine its true value the 2021 edition of the united nations world water development report titled valuing water assesses the current status of and challenges to the valuation of water across different sectors and perspectives and identifies ways in which valuation can be promoted as a tool to help improve its management and achieve global sustainable development

The United Nations World Water Development Report

2020-05-01

in developing countries further progress of irrigation is essential for increasing food security and farmers income however developing small scale schemes remains a challenge due to

multiple factors that must be taken into consideration such as diversity of small scale schemes a large number of water users social disharmony over the water use varying water demands of multi cropping systems heterogeneity of equipment over the scheme furthermore on farm irrigation development has a major role in enhancing agricultural water management awm the previous development methods considered the improvement of single factor productivity but agriculture is undergoing a global shift from the single objective of outputs such as yield or net income to multiple objectives of increasing outputs while conserving natural resources many pathways towards enhancement of water productivity wp are directly related to improving overall farm agronomic management irrigation fertilization plant density plant protection etc while external measures must be applied to ensure sustainability of introduced good practices lack of input markets scarce knowledge poor infrastructures water regulations etc thus introducing irrigation practices to farmers must undergo a step wise process to ensure that costs do not outweigh achievable benefits and both institutional and technical environment are capable to sustain results this is the case in smallholders schemes where farmers are poorly resourced in order to address these issues the current policy guide presents a combined methodology which involves practical experiences drawn from fao work in the three countries as well as researchers results to line up a set of feasible measures to improving wp

Policy guide to improve water productivity in small-scale agriculture

1986

the exploding global consumption of meat is implicated in momentous but greatly underappreciated problems and industrial

livestock production is the driving force behind soaring demand following his previous ground breaking book the global food economy tony weis explains clearly why the growth and industrialization of livestock production is a central part of the accelerating biophysical contradictions of industrial capitalist agriculture the ecological hoofprint provides a rigorous and eye opening way of understanding what this system means for the health of the planet how it contributes to worsening human inequality and how it constitutes a profound but invisible aspect of the violence of everyday life

The State of Food and Agriculture: Mid Decade Review of Food and Agriculture. 1985

2013-11-14

this evaluation assesses the extent to which fao adopted an effective coherent and transformative approach to its work on climate action from 2015 to 2020 by contributing to the achievement of sdg 13 targets and the paris agreement the methodology included portfolio analysis quantitative content analysis of over 500 documents participatory stakeholder workshops desk reviews interviews with 488 stakeholders analysis of key fao products 3 global surveys and 13 country case studies the evaluation s findings are i fao s strategic framework is aligned with sdg 13 and the paris agreement however fao has not expressed a long term vision on its leadership role in agriculture for climate action nor does fao governance yet reflect a clear and strategic focus on its mission on climate action ii the 2017 climate change strategy has effectively supported fao s work but it is not fully integrated into corporate decision making iii fao has made relevant contributions by supporting national capacity building for

climate action iv fao s contributions to sdg 13 and the uptake of products and tools are not systematically monitored and reported v there is little alignment of portfolios between divisions and no systematic approach to trade offs consequently the root causes of climate change on agriculture are not being addressed in an integrated way vi fao has strong capacity but the current business model results in uneven distribution of human and financial resources and in fragmented short term projects reach vii fao contributed to climate adaptation and mitigation by collaborating with members and other partners although it has engaged less in innovative partnerships with the private sector financing institutions and civil society viii fao has progressed on the inclusion of gender specific climate action initiatives the recommendations of the evaluation include developing a corporate narrative on climate change and food systems formulating a new climate change strategy and action plan improving the climate change labelling of its project portfolio mainstreaming climate action into all offices divisions and levels and including coordination and guidance to embed procedures in the project cycle quality assurance and learning mechanisms adopting a climate action focused programmatic approach running an assessment to identify capacity gaps needs and opportunities and accordingly strengthening the capacity of staffing funding and inter office communication enhancing its partnerships and seeking out innovative partnerships and mainstreaming the core leave no one behind by including women youth the extreme poor indigenous peoples and other vulnerable groups

The Ecological Hoofprint

2021-03-10

this book fills a gap in the literature by setting food security in the context of evolving global food governance today s food system

generates hunger alongside of food waste burgeoning health problems massive greenhouse gas emissions applying food system analysis to review how the international community has addressed food issues since world war ii this book proceeds to explain how actors link up in corporate global food chains and in the local food systems that feed most of the world s population it unpacks relevant paradigms from productivism to food sovereignty and highlights the significance of adopting a rights based approach to solving food problems the author describes how communities around the world are protecting their access to resources and building better ways of producing and accessing food and discusses the reformed committee on world food security a uniquely inclusive global policy forum and how it could be supportive of efforts from the base the book concludes by identifying terrains on which work is needed to adapt the practice of the democratic public sphere and accountable governance to a global dimension and extend its authority to the world of markets and corporations this book will be of interest to students of food security global governance development studies and critical security studies in general

Evaluation of FAO's support to climate action (SDG 13) and the implementation of the FAO Strategy on Climate Change (2017)

2014-12-17

gain a holistic view of agricultural re insurance and capital market risk transfer increasing agricultural production and food security remain key challenges for mankind in order to meet global food demand the food and agriculture organisation estimates that production has to increase by 50 by 2050 and requires large

investments agricultural insurance and financial instruments have been an integral part to advancing productivity and are becoming more important in increasingly globalized and specialized agricultural supply chains in the wake of potentially more frequent and severe natural disasters in today's key producing markets underwriting pricing and transferring agricultural risks is complex and requires a solid understanding of the production system exposure perils and the most suitable products which vastly differ among developed and developing markets in the last decade new insurance schemes in emerging agricultural markets have greatly contributed to the large growth of the industry from a premium volume of us 10.1 billion 2006 to us 30.7 billion 2017 this growth is bound to continue as insurance penetration and exposure increase and new schemes are being developed agricultural reinsurance has become a cornerstone of sovereign disaster risk financing frameworks agricultural risk transfer introduces the main concepts of agricultural reinsurance and capital market risk transfer that are discussed through industry case studies it also discusses best industry practices for all main insurance products for crop livestock aquaculture and forestry risks including risk assessment underwriting pricing modelling and loss adjustment describes agricultural production risks and risk management approaches covers risk transfer of production and financial risks through insurance and financial instruments introduces modelling concepts for the main perils and key data sources that support risk transfer through indemnity and index based products describes risk pricing and underwriting approaches for crop livestock aquaculture and forestry exposure in developed and developing agricultural systems become familiar with risk transfer concepts to reinsurance and capital markets get to know the current market landscape and main risk transfer products for individual producers agribusinesses and governments through theory and comprehensive industry case studies through agricultural risk transfer you'll gain a holistic view of agricultural reinsurance and capital market solutions

which will support better underwriting more structured product development and improved risk transfer

Food Security Governance

2019-03-25

pastoral systems have evolved to function with the natural environment and therefore with variability by identifying variability as an entry point this paper aims at i engaging fao in the mainstreaming of pastoralism by establishing the understanding of pastoralism and its systematic inclusion in the normal operations of fao and at ii presenting an evidence based narrative on pastoralism to a specialists audience two main points are made in this document first pastoral systems are emblematic of farming with nature second pastoral systems make use of variability in inputs the environment by matching it with variability in their own operational processes flexibility in movements animal breeds labour force etc in such a way as to reduce the variability in outputs animal production and health household s food security etc since 2015 the pastoralist knowledge hub pkh has helped creating an institutional space for connecting and coordinating work on pastoralism within fao an inter departmental working group on pastoralism has been formed the conceptual framework of this paper and early versions have benefited from comments and guidance of fao staff as well as of specialists of pastoralism worldwide

Agricultural Risk Transfer

2021-07-21

water productivity and food security global trends and regional patterns volume three reviews the need for water productivity

improvements in agriculture addressing three distinct questions pertaining to agricultural water productivity improvement in developing countries including what are the regions where water is a limiting factor for raising agricultural outputs and water productivity improvements what are the technological measures in irrigation that can raise agricultural water productivity and result in water saving at various scales and what opportunities exist in the developing economies of south asia and africa for raising water productivity and improving water economy at basin scale this book provides a framework to characterize river basins based on water availability water supplies water uses and water demands to ascertain the need and measures available for improving crop water productivity that would be effective at various scales i e plant level plot level irrigation system level and basin level this is an essential reference for anyone interested in water management and agriculture presents clear explanations of the physical and technical measures that can be adopted to improve productivity of water in agricultural production under different basin conditions offers physical strategies for improving water productivity in agriculture in different agroecological regions along with the institutional and policy measures that affect them includes methodologies for assessing the food security challenges of individual nations using empirical analysis and global datasets

Pastoralism - Making variability work

2021-08-21

this collection examines the role that foreign aid can play in dealing with the severe global challenge of climate change one of the most pressing international development issues of the 21st century addressing the key threats of rising temperatures changes in precipitation coastal erosion and natural disasters the book considers the implications for policy and future research

particularly in developing countries focusing on the worth of foreign aid in ensuring environmental sustainability this collection consider how it can be used to improve access to sustainable energy to promote efficient use of energy resources to improve emission reduction and support the preservation of biodiversity in forests advancing our knowledge about foreign aid and climate change it provides policy recommendations for the donors and recipient country governments a cutting edge text on one of the most pressing international development issues of this century this is key reading for all scholars of international development and climate change

Water Productivity and Food Security

2017-12-28

food waste recovery processing technologies and industrial techniques acts as a guide to recover valuable components of food by products and recycle them inside the food chain in an economic and sustainable way the book investigates all the relevant recovery issues and compares different techniques to help you advance your research and develop new applications strong coverage of the different technologies is included while keeping a balance between the characteristics of current conventional and emerging technologies this is an essential reference for research outcomes presents a holistic methodology the so called 5 stages universal recovery process and a general approach the so called universal recovery strategy to ensure optimized management of the available technologies and recapture of different high added value compounds from any waste source includes characteristics safety and cost issues of conventional and emerging technologies the benefits of their application in industry and commercialized applications of real market products demonstrates all aspects of the recovery process such as preservation of the substrate yield

optimization preservation of functionality of the target compounds during processing and more

Aid Effectiveness for Environmental Sustainability

2015-07-03

the progress towards sustainable agriculture initiative prosa is a framework that seeks to complement ongoing efforts on the sustainable development goals sdgs and particularly indicator 2.4.1 to support country level assessments using data already available at the national level making agriculture more sustainable productive environmentally friendly resilient and profitable is fundamental as agriculture remains the main source of livelihood for the majority of the world's poor and hungry the pathway towards sustainable agriculture must ensure increasing output but also make more efficient use of increasingly scarce global resources be resilient to and help mitigate climate change and improve human well being this technical study examines the key factors driving changes in trends in the indicators of sustainable agriculture and provides decision makers with insights into viable options for achieving this goal the study identifies five key groups of drivers that most influence these indicators globally the ways in which each driver affects the multiple dimensions of sustainability highlights the interconnections synergies and trade offs that must be managed in different global contexts to achieve agricultural sustainability the analysis can help decision makers operating in different country contexts to identify practical solutions to ensure that their interventions contribute positively to a more sustainable agriculture

Food Waste Recovery

2021-12-06

the government of the united republic of tanzania recognizes that sustainable development cannot be achieved without attaining gender equality hence gender is mainstreamed in all sectors including the agriculture sector this commitment is reflected in the national constitution national strategies plans and policies such as the tanzania development vision 2025 national five year development plan 2016 17 2021 22 national strategy for growth and reduction of poverty nsgrp i and ii women and gender development policy of 2000 and the national agriculture policy of 2013 the agriculture sector employs nearly 66 percent of the workforce in the united republic of tanzania thereby contributing to bringing the country closer to becoming a middle income country however the sector like all other sectors is negatively impacted by the gender inequalities to address the gender gaps in all sectors including agriculture the united republic of tanzania established the ministry of health community development gender elderly and children mohcdgec as the national institution to mainstream gender

Progress towards sustainable agriculture - Drivers of change

2023-03-30

this paper presents a new methodological approach aimed at measuring progress towards sustainable agriculture in countries and across agri food systems typologies by measuring socio economic and environmental dimensions with available national statistics with sixteen indicators defined and constructed from

faostat data a trend analysis is carried out at country level over the time series 1961 2018 with country results aggregated by four agri food systems typologies traditional land intensive and capital intensive mixed systems and modern food systems the analysis provides a novel framework for the analysis of progress in achieving sustainable agriculture by country and agri food system type that can be implemented effectively and allows for exploring solutions across development pathways

National gender profile of agriculture and rural livelihoods - United Republic of Tanzania

2021-05-10

the way food systems have evolved over past decades means that they now face major risks which in turn threaten the future of food systems themselves food systems have seriously contributed to climate change environmental destruction overexploitation of natural resources and pollution of air water and soils despite the global average improvement in calorie production and major development of the food and agricultural product markets huge inequalities in food access and repartition of the added value have emerged leading to new serious nutritional and social problems based on a review of the most recent scientific knowledge this report emphasizes low income and lower middle income countries where the population faces greater challenges than elsewhere different threats are adding up and there are few options to adapt or mitigate these combinations of risks this is a call for all those businesses policy makers consumers funding agencies who are engaged in food systems transformations to bear in mind their systemic aspects and their multiple outcomes and risks in order to be able to fashion more sustainable and equitable food systems

this report was prepared and coordinated by the centre de coopération internationale en recherche agronomique pour le développement cirad and is a joint production with the food and agriculture organization of the united nations fao and the european commission s directorate general for international cooperation and development dg devco the scientific report hereunder takes stock of the current and future risks and challenges as regards to food systems

Measuring progress towards sustainable agriculture

2019-10-03

there are many factors to be considered when examining the current state of environmental problems in the modern world by addressing these causes the preservation of ecosystems and environmental resources can be maintained environmental issues surrounding human overpopulation is an authoritative reference source for the latest scholarly research on the depletion of natural resources due to overpopulation and presents insights on how these environmental threats can be addressed highlighting technological economic and social perspectives this book is ideally designed for policymakers researchers academics students and practitioners interested in better understanding the current state of the global environment

Food systems at risk

2016-12-12

this annual report presents the outlook for agricultural commodity markets during the 2009 to 2018 period and analyses world

market trends for the main agricultural products as well as for biofuels

Environmental Issues Surrounding Human Overpopulation

1993-12

epochal transitions populations agricultures and diets energies economies environment outcomes and outlooks

Report of the Council of Fao, 104th, Held Rome, November 2-5, 1993

2009-07-28

this book aims to contribute the knowledge and understanding of nutritional impact of food systems focus is also be given to food systems elements status identification policy analysis to examine potential effects of different policy options throughout the food system in particular policies in agriculture food marketing and trade social protection gender foreign direct investment fdi on food industry nutrition and environment and education etc good practice and lessons learnt to strengthen the beneficiary countries evidence base for addressing nutrition related challenges from the food system perspective

OECD-FAO Agricultural Outlook 2009

2021

public policies for family farming when done appropriately provide a perfect match between different policy areas related to

productive economic social environmental and cultural dimensions of sustainable food systems the learning framework for inclusive integrated and innovative public policy cycles for family farming was developed under the framework of the united nations decade of family farming 2019 2028 to support policymakers family farmers organizations and other relevant stakeholders to increase their understanding of public policy cycles and family farming related policies this technical and methodological capacity development programme is adaptable to local national or regional priorities it offers a holistic perspective to building knowledge and capacity of the various actors involved in the design implementation and review of effective and coherent policies and programmes this learning framework responds to the needs of multiple actors expressed during the undff pre consultation process to identify ways to create truly effective and efficient policy frameworks for family farming and to better engage and participate during policy processes to provide an appropriate answer to these needs the learning framework was designed through a participatory process building on the experience of governments and family farmers organizations researchers and un staff gathering inputs from all relevant actors around the world

Grand Transitions

2023-04-14

water is intricately linked with food security energy security and sustainable development as the world is moving towards sustainable development goals it is critical to recognize the role of water in attaining these goals the water energy food nexus draws attention to the complex and interrelated nature of global resource systems and forces us to think about how a decision in one sector impacts other interlinked sectors as well this book looks at the three dimensions of sustainable development environment

economics and society and how water is linked with them and explores the nexus approach as a framework to look at the issues and identify solutions

Sustainable and nutrition-sensitive food systems for healthy diets and prevention of malnutrition in Europe and Central Asia

2023-07-21

agriculture is becoming more knowledge intensive access to timely accurate information tailored to specific locations and conditions is critical to helping farmers make the most of their resources in changing circumstances digital technologies help overcome these challenges by bridging the information gap improving access to market information enhancing access to micro finance providing actionable advisories on managing pest and disease as well as improving agriculture human capital however sustaining digital interventions needs a holistic approach that includes the right policies frameworks ecosystem and capacities this publication highlights some successful initiatives in leveraging digital technologies improving value chain processes and building capacity to bring about positive change among agriculture stakeholders and improve livelihoods this publication is part of the country investment highlights series under the fao investment centre s knowledge for investment k4i programme

A learning framework for inclusive,

integrated and innovative public policy cycles for family farming

2019-08-30

given the central role of the food and agriculture system in driving so many of the connected ecological social and economic threats and challenges we currently face rethinking food and agriculture reviews reassesses and reimagines the current food and agriculture system and the narrow paradigm in which it operates rethinking food and agriculture explores and uncovers some of the key historical ethical economic social cultural political and structural drivers and root causes of unsustainability degradation of the agricultural environment destruction of nature short comings in science and knowledge systems inequality hunger and food insecurity and disharmony it reviews efforts towards sustainable development and reassesses whether these efforts have been implemented with adequate responsibility acceptable societal and environmental costs and optimal engagement to secure sustainability equity and justice the book highlights the many ways that farmers and their communities civil society groups social movements development experts scientists and others have been raising awareness of these issues implementing solutions and forging new ways forward for example towards paradigms of agriculture natural resource management and human nutrition which are more sustainable and just rethinking food and agriculture proposes ways to move beyond the current limited view of agro ecological sustainability towards overall sustainability of the food and agriculture system based on the principle of inclusive responsibility inclusive responsibility encourages ecosystem sustainability based on agro ecological and planetary limits to sustainable resource use for production and livelihoods inclusive responsibility also places importance on quality of life

pluralism equity and justice for all and emphasises the health well being sovereignty dignity and rights of producers consumers and other stakeholders as well as of nonhuman animals and the natural world explores some of the key drivers and root causes of unsustainability degradation of the agricultural environment and destruction of nature highlights the many ways that different stakeholders have been forging new ways forward towards alternative paradigms of agriculture human nutrition and political economy which are more sustainable and just proposes ways to move beyond the current unsustainable exploitation of natural resources towards agroecological sustainability and overall sustainability of the food and agriculture system based on inclusive responsibility

Water, Sustainable Development and the Nexus

2022-05-24

the true cost of what the global food industry throws away with shortages volatile prices and nearly one billion people hungry the world has a food problem or thinks it does farmers manufacturers supermarkets and consumers in north america and europe discard up to half of their food enough to feed all the world s hungry at least three times over forests are destroyed and nearly one tenth of the west s greenhouse gas emissions are released growing food that will never be eaten while affluent nations throw away food through neglect in the developing world crops rot because farmers lack the means to process store and transport them to market but there could be surprisingly painless remedies for what has become one of the world s most pressing environmental and social problems waste traces the problem around the globe from the top to the bottom of the food production chain stuart s journey takes him from the streets of new york to china pakistan and japan and

back to his home in England introducing us to foraging pigs potato farmers and food industry CEOs Stuart encounters grotesque examples of profligacy but also inspiring innovations and ways of making the most of what we have the journey is a personal one as Stuart is a dedicated freegan who has chosen to live off of discarded or self produced food in order to highlight the global food waste scandal combining front line investigation with startling new data waste shows how the way we live now has created a global food crisis and what we can do to fix it

Digital agriculture in action

2020-10-18

this book offers an overview of emerging security challenges in the global environment in the post cold war era after the fall of the Berlin wall and the subsequent shifting of international political environment a new broader concept of security began to gain acceptance this concept encompassed socio economic environmental challenges such as resource scarcity and climate change water sharing issues deforestation and forest protection measures food and health security and large population migration the book examines the causes and consequences of these emerging security threats and retains a critical focus on evolving approaches to address these issues the author attempts to develop a framework for sustainable security in a rapidly changing global political landscape which seeks to bring states and societies together in a way that addresses weaknesses of the evolving international system moreover through a detailed analysis of the emerging security issues and their pathways the book further argues that the evolving processes not only pose critical challenges but also provide remarkable opportunity for cooperation and collaboration among and within various stakeholders this book will be of much interest to students of

global security war and conflict studies peace studies and ir in general

Rethinking Food and Agriculture

2009-10-26

diverse as they are in their histories and in the organization of their forest sectors most nordic countries have this in common their economies and cultures are substantially based on the utilization of various forest resources this book explores nordic forest futures and presents research results that form part of a scientific foundation for considering how to balance the functions of forests it is particularly concerned with global trends that may affect the future use of boreal forests chapters investigate inter alia the growing world population and the expected economic growth in countries with huge populations and assess the resulting pressure on all land based resources authors examine the urgent need for solutions to the energy crisis consider worrying climate scenarios and provide a global outlook on bioenergy futures readers will discover how these developments will and must influence long term strategic decisions on the future use of nordic forests the challenges and possible responses for future forest governance and forestry issues emerge as the chapters go on to consider the multiple pressures in particular on the swedish forestry model among other themes by bringing together a distinguished group of internationally renowned scientists representing a diverse set of disciplines covering political science geography rural development forest economics history and geo sciences this book constitutes an exceptionally profound and thoughtful futures study alexander buck executive director international union of forest research organizations iufro

Waste: Uncovering the Global Food Scandal

2013

the state of the world's land and water resources for food and agriculture is fao's first flagship publication on the global status of land and water resources it is an advocacy report to be published every three to five years and targeted at senior level decision makers in agriculture as well as in other sectors solaw is aimed at sensitizing its target audience on the status of land resources at global and regional levels and fao's viewpoint on appropriate recommendations for policy formulation solaw focuses on these key dimensions of analysis i quantity quality of land and water resources ii the rate of use and sustainable management of these resources in the context of relevant socio economic driving factors and concerns including food security and poverty and climate change this is the first time that a global baseline status report on land and water resources has been made it is based on several global spatial databases e.g land suitability for agriculture land use and management land and water degradation and depletion for which fao is the world recognized data source topical and emerging issues on land and water are dealt with in an integrated rather than sectoral manner the implications of the status and trends are used to advocate remedial interventions which are tailored to major farming systems within different geographic regions

Understanding Emerging Security Challenges

2015-02-16

there have been numerous economic difficulties felt by several countries in the near east and north africa nena in recent years generating difficult and region specific challenges for the food and agriculture systems of the region the covid 19 pandemic and the consequent economic crisis made a bad situation worse this report does an extensive review and analysis of policy decisions made by 19 governments in the region in response to the covid 19 crisis from march 2020 to may 2020 the broad range of policy decisions were reviewed based on the food and agriculture policy decision analysis fapda database complemented by information on disruptions of food and agriculture systems and related policy responses provided by regional and country offices results from the review indicate what were the major policy responses from most countries in the region including common policy responses targeting consumers and producers it further shows that the magnitude of measures implemented in the region is characterized by a somewhat foreseeable divide between oil and gas rich countries and all other nena countries benefiting from this consolidated analysis of the regional policy response the report draws insights and provides general recommendations that may feed the policy debate at the national regional and global levels facilitating better targeted policy support and contribute to economic recovery with coordinated policy responses across countries

The Future Use of Nordic Forests

2013-06-17

at the heart of the 2030 agenda was a promise to prioritize two objectives to eradicate poverty and end hunger and malnutrition in all their forms while global hunger measured by the prevalence of undernourishment had been on the decline the absolute number of hungry people remained very high in response heads of states

at the g7 summit in elmau in 2015 committed to lift 500 million people out of hunger and malnutrition by 2030 as part of a broader effort undertaken with partner countries to support the 2030 agenda for sustainable development i.e sustainable development goal sdg 2 to end hunger and malnutrition by 2030 nevertheless the number of undernourished people in the world kept rising from 653 million people in 2015 to 690 million people in 2019 highlighting the challenge of achieving the goal of zero hunger and malnutrition by 2030 this study reviews the food security situation and change therein in light of recent developments including covid 19 it also analyses to which extent g7 countries responded to the challenge and their commitment in terms of development assistance and outlines promising investment opportunities to meet the 2030 targets

The State of the World's Land and Water Resources for Food and Agriculture

2021-03-23

Policy responses to COVID-19 crisis in Near East and North Africa - keeping food and agricultural systems alive

2020-10-12

Investment costs and policy action opportunities for reaching a world without hunger (SDG2). Joint Report

2023-04-04

Ten promising pathways to GHG emission reduction in the global food system

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