

PUBLICATIONS

of the
**FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS**

2013



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FRONT COVER PHOTO:

Quinoa seeds.

In 2013, the United Nations celebrates the International Year of Quinoa.



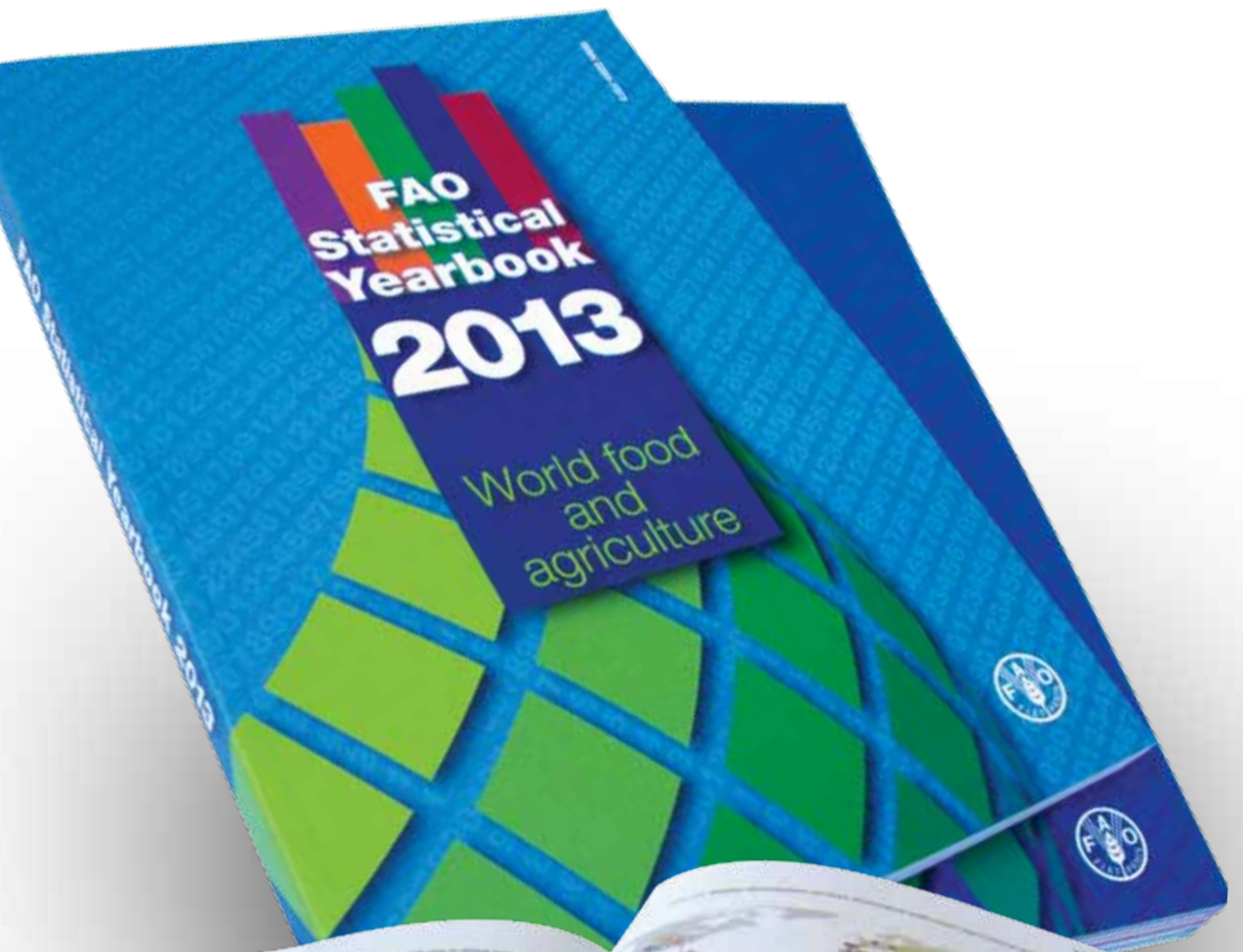
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FAO Statistical Yearbook 2013

Presenting the latest global data for agricultural and food statistics

“Good statistics are needed to monitor the progress of development. The better the data, the better policies can be designed to protect vulnerable populations. And, without good data, it is impossible to evaluate or determine the impact of policies.”

José Graziano da Silva
FAO Director-General

FAO Statistical Yearbook 2013 breaks down myriads of numbers into four broad thematic categories:

- **The setting** measures the state of the agricultural resource base, assessing the supply of land, labour, capital, inputs and the state of infrastructure
- **Hunger dimensions** gauges the state of food insecurity and malnutrition
- **Feeding the world** evaluates the past and present capacity of world agriculture
- **Sustainability dimensions** examines agriculture in terms of the pressure it exerts on the environment, including the interaction of agriculture with climate change

Highlights from the 2013 edition include:

- About 12 percent of the world's land area is used for crop production
- Around 870 million people - or one in eight people in the world - are undernourished
- For the world as a whole, per capita food supply rose from about 2 200 kcal/day in the early 1960s to more than 2 800 kcal/day by 2009
- The land sector is responsible for nearly 30 percent of all human-induced GHG emissions into the atmosphere

FAO Statistical Yearbook 2013

FAO, Rome, 2013
ISBN: 9789251073964
ISSN: 2225-7373
366 pp., 210 x 297 mm
USD 125.00, Paperback

- *Rights available in all languages except: English*

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FAO

For a world without hunger



Photos: © FAO

Global food production capacity is sufficient to feed the world's current population, yet FAO's latest estimates indicate that almost 870 million people are undernourished in terms of energy intake. Efforts to eliminate world hunger are complicated by a number of complex global challenges, including a rapidly increasing population, urbanization, globalization and its effects on agriculture, pressure on natural resources, climate and environmental changes, and a rise in resulting disasters and emergencies.

In the face of these challenges, FAO is focusing its entire work effort on five overarching objectives:

- Eradicate hunger, together with food insecurity and malnutrition
- Make agriculture more productive, yet more sustainable
- Reduce rural poverty
- Create agricultural and food systems that are at once more inclusive and efficient
- Build the resilience of livelihoods to disasters and emergencies

As a specialized UN agency and knowledge organization, FAO has a well-established and broad-ranging publishing programme, and we are continuing to build on this with an increasingly dynamic and interdisciplinary range of titles in direct support of the Organization's strategic objectives.

In this catalogue you will find a rich body of technical studies, guidelines, outlooks and topical reports on major issues at the centre of international development debate and policy change. In line with FAO's commitment to open access publishing, all catalogue and most backlist titles are freely downloadable in PDF format from www.fao.org/docrep, while new arrangements with a number of content aggregators and publishing partners are expanding access to FAO titles even further. A recent rise in the number of FAO depository libraries is another indicator of the worldwide demand for our publications and reflects the country focus as well as the global scope of FAO's overall publishing programme.

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We encourage you to keep up to date on these and other FAO publishing developments at www.fao.org/publications.

Rachel Tucker

OiC Chief, Publishing Group
Office for Corporate Communications

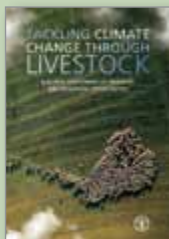


SELECTED » FORTHCOMING TITLES



Photos: © FAO

>> ANIMAL PRODUCTION AND HEALTH



Tackling climate change through livestock

A global assessment of emissions and mitigation opportunities

Greenhouse gas emissions by the livestock sector could be cut by as much as 30 percent through the wider use of existing best practices and technologies. FAO conducted a detailed analysis of GHG emissions at multiple stages of various livestock supply chains, including the production and transport of animal feed, on-farm energy use, emissions from animal digestion and manure decay, as well as the post-slaughter transport, refrigeration and packaging of animal products. This report represents the most comprehensive estimate made to-date of livestock's contribution to global warming – as well as the sector's potential to help tackle the problem. This publication is aimed at professionals in food and agriculture as well as policy makers.

FAO, Rome, 2013
ISBN 9789251079201
140 pp., 176 x 250 mm
USD 40.00, Paperback

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>> COPUBLICATION



Improving Diets and Nutrition: Food-based Approaches

The International Symposium on Food and Nutrition Security: Food-based Approaches for Improving Diets and Raising Levels of Nutrition was organized by the Food and Agriculture Organization of the United Nations (FAO) to better document the contribution that food and agriculture can make to improving nutrition. The publication presents the proceedings of the symposium. These proceedings are a useful resource for decision and policy makers, programme planners and implementers, and health workers, all of which work to combat hunger and malnutrition. Likewise, they will have appeal for professionals in the field of food security, nutrition, public health, horticulture, agronomy, animal science, food marketing, information, education, communication, food technology and development. They are also designed as a useful complementary source for graduate and postgraduate courses

Edited by: Thompson, B., Amoroso, L.
Copublished with CABI
FAO, Rome, 2013
ISBN 9789251073193
350 pp., 172 x 144 mm
USD 147.00, Paperback

● **Rights available in all languages**
except: *English*

>> COPUBLICATION



Promoting investment in Agriculture for increased production and productivity

Covering the development of sustainable agriculture, food production and food security, this book explains the relationship between, and interdependence of, all levels of investment required for success. It also describes how to drive increased investment, at what stage and where; farmer investment, public investment and corporate private sector investment are all integral to the increased productivity of agriculture. Providing definitions of investment, farm-level capital formation and policy frameworks, the book proposes policies and a programme of action for achieving positive investment in agriculture, and concludes with globally-relevant case studies. This book is an essential resource for policymakers and researchers

By: Syed, S., Miyazako, M.
Copublished with CABI
FAO, Rome, 2013
ISBN 9789251075883
120 pp. 176 x 250 mm
USD 100.00, Paperback

● **Rights available in all languages**
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>> COPUBLICATION



Public Health Risks of Histamine and other Biogenic Amines from Fish and Fishery Products

Report of a joint FAO/WHO Expert Meeting and Histamine Sampling Tool (version 1.0)

Codex Alimentarius through its standards and guidelines aims to provide countries with tools to manage food safety issues such as histamine in fish. Together with guidance on good practices, different histamine limits have been established by Codex as indicators of decomposition and as indicators of hygiene and handling. However, many of these limits were established in a pre-risk assessment era and their scientific basis is unclear. As food safety management moves towards more risk- and evidence- based approaches, there is a need to review existing limits to ensure that they are scientifically based and take into account all the available evidence. At the request of Codex, FAO and WHO convened an expert meeting at the FAO headquarters in Rome from 23 – 27 July 2012 to address the public health risks of histamine and other biogenic amines from fish and fishery products. This report summarises the outcome of that meeting.

Copublished with WHO
FAO, Rome, 2013
ISBN 9789251078495
TBD pp., 176 x 250 mm
USD TBD, Paperback

- **Rights available in all languages except: English**

>> FISHERIES AND AQUACULTURE



Fish Identification Tools for Biodiversity and Fisheries Assessments

Review and guidance to decision-makers

This review provides an appraisal of existing, state-of-the-art fish identification (ID) tools (including some in the initial stages of their development) and shows their potential for providing the right solution in different real-life situations. The ID tools reviewed are: Use of scientific experts (taxonomists) and folk local experts, taxonomic reference collections, image recognition systems, field guides based on dichotomous keys; interactive electronic keys (e.g. IPOFIS), morpho-metrics (e.g. IPEZ), scale and otolith morphology, genetic methods [Single nucleotide polymorphisms [SNPs] and Barcode [BOL]] and Hydroacoustics. It is expected that it will help fisheries managers, environmental administrators and other end users to select the best available species identification tools for their purposes.

FAO Fisheries and Aquaculture
Technical Paper No. 585
FAO, Rome, 2013
ISBN 9789251077719
ISSN 2070-7010
106 pp., 210 x 297 mm
USD 55.00, Paperback

- **Rights available in all languages except: English**

>> FISHERIES AND AQUACULTURE



Rights-based management in Latin American fisheries

This study reports on the experiences with a diversity of cases of rights-based benthic and finfish fisheries management regimes from the Latin American region. Each case specifies the main attributes of the access rights (in a broad sense, including privileges), whether formal or informal: (i) how the rights are conferred and upheld; (ii) exclusivity of participation in the fishery; (iii) duration of the rights conferred; (iv) security or quality of the title conferred by the rights; (v) transferability, divisibility and flexibility in the use of the rights; and (vi) actual rights enforceability and corresponding compliance with use rights limitations. The study also reports on aspects of the harvest strategies in place, including: (i) fishing methods and gear; (ii) when fishing is authorized to take place; (iii) harvest controls; and (iv) monitoring.

FAO Fisheries and Aquaculture
Technical Paper No. 582
FAO, Rome, 2013
ISBN 9789251078969
ISSN 2070-7010
160 pp., 210 x 297 mm
USD 60.00, Paperback

- **Rights available in all languages except: English**



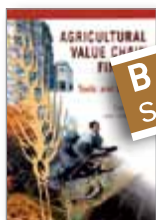
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Best
seller

Agricultural value chain finance

Tools and lessons

Agriculture remains an important means of alleviating poverty, but shortage of finance can constrain its development. At the same time agriculture is evolving towards a global system requiring high-quality, competitive products, organized in value chains which often exclude smallholders. Value chain financing in agriculture offers an opportunity to increase the scope and reduce the cost and risk of financing to agriculture. It can also help value chains to be more inclusive, by making resources available for smallholders to integrate into higher value chains. This publication provides a comprehensive look at the models, tools and approaches used by industry leaders in all parts of the developing world. It is essential reading for bankers, microfinance practitioners and credit union leaders working in agriculture, as well as NGO practitioners, agribusiness technical staff, researchers and policy makers.

By: Miller, C., Jones, L.
Copublished with
Practical Action
FAO, Rome, 2013
ISBN 9789252062776
216 pp., 235 x 155mm
USD 40.00, Paperback

- **Rights available in all languages**
except: English, French, Arabic

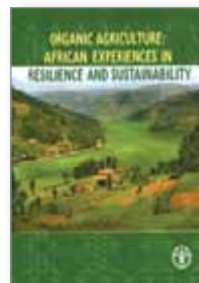


Children's work in the livestock sector: Herding and beyond

Child labour in the livestock sector is widespread and largely ignored. This publication, the first global study on child labour issues related to livestock, points out that agriculture accounts for most of the reported child labour in the world, and livestock accounts for some 40 percent of the agricultural economy. Curbing child labour will require governments, farmer organizations and rural families to become directly involved in finding alternatives to practices that often reflect the need for survival.

FAO, Rome, 2013
ISBN 9789251073872
56 pp., 210 x 297 mm
USD 20.00, Paperback

- **Rights available in all languages**
except: English



Organic agriculture: African experiences in resilience and sustainability

This publication demonstrates that organic agriculture can benefit people, the economy and ecosystems and that this can be achieved in Africa, where hunger and degradation stubbornly persist despite decades of development efforts. The different chapters document sustainability experiences, including: mainstreaming organic agriculture into African development approaches; community-based livestock systems; indigenous ethno-veterinary practices and new understanding of customary systems of resource management; ecofunctional intensification through management of legumes, systems of rice intensification and integrated farming; and smallholders' knowledge harnessed through family farmers' learning groups and customized information and communication technologies.

Edited by: Auerbach, R., Rundgren, G., El-Hage Scialabba, N.
FAO, Rome, 2013
ISBN 9789251076668
208 pp., 210 x 260mm
USD 45.00, Paperback

- **Rights available in all languages**
except: English



Save and Grow: Cassava

A guide to sustainable
production intensification

This guide is the first on the practical application of FAO's "Save and Grow" model of agriculture to specific smallholder crops and farming systems. It comes as cassava production intensifies worldwide, and growers shift from traditional cultivation practices to monocropping, higher-yielding genotypes, and greater use of agrochemicals. Intensification carries great risks, including soil nutrient depletion and upsurges in pests and diseases. The guide shows how ecosystem-based "Save and Grow" approaches and practices can help tropical developing countries to avoid the risks of unsustainable intensification, while realizing cassava's potential for producing higher yields, alleviating hunger and rural poverty, and contributing to national economic development.

FAO, Rome, 2013
ISBN 9789251076415
140 pp., 180 x 255mm
USD 42.00, Paperback
also in **e-book** format

- **Rights available in all languages**
except: English, Chinese, French
(forthcoming)



Global food losses and food waste

The two studies in this volume (one for high/medium-income countries and one for low income countries) aim to raise awareness about global food losses and waste, and the impact of these on poverty and hunger in the world, as well as on climate change and the use of natural resources. They were carried out by The Swedish Institute for Food and Biotechnology (SIK) on request from FAO to serve as a basis for the international congress *Save Food!*, coorganized by Interpack2011 and FAO in May 2011, in Düsseldorf, Germany.

FAO, Rome, 2012
ISBN 9789251072059
36 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages**
except: English, French, Spanish,
Japanese, Arabic (forthcoming)



Conservation agriculture and sustainable crop intensification

A Zimbabwe case study

Conservation agriculture (CA) addresses the problem of low and erratic rainfall through the use of practices that reduce water losses and increase infiltration, and improve low soil nutrient status by increasing soil carbon and nitrogen through the use of organic soil cover and legumes in rotations and interactions. This publication describes the experiences of introducing and promoting CA as a practice for sustainable crop production intensification in farming communities across Zimbabwe. The case study is aimed at policy makers, scientists and environmentalists and should inform decision-making relating to sustainable crop intensification.

*By: Sepo Marongwe, L.,
Nyagumbo, L., Kwazira, K.,
Kassam, A., Friedrich, T.*
Integrated Crop
Management No. 17
FAO, Rome, 2012
ISBN 9789251074480
ISSN 1020-4555
44 pp., 176 x 250 mm
USD 18.00, Paperback

- **Rights available in all languages**
except: English

The World of Livestock 2013

Changing Disease Landscapes

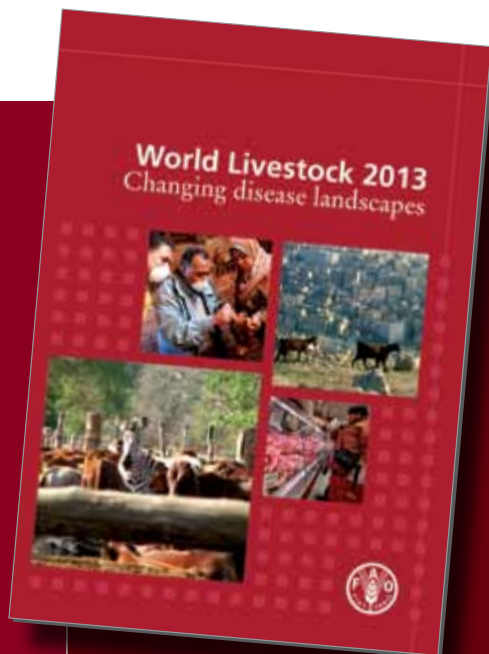
The **World of Livestock 2013: Changing Disease Landscapes** looks at the evidence of changing disease dynamics involving livestock and explores three key areas:

- the **Pressure**, including drivers and risk factors that contribute to disease emergence, spread and persistence;
- the **State**, describing the disease dynamics that result from the Pressure and their subsequent impact
- and the **Response**, required both to adapt and improve the State and to mitigate the Pressure.

The report argues that a comprehensive approach, the **One Health** approach, is needed to face the complexities of the changing disease landscapes, giving greater emphasis on agro-ecological resilience, protection of biodiversity, efficient use of natural resources and ensure safer food supply chains particularly in areas worst afflicted by poverty and animal disease. Speeding up response times, by early detection and reaction, including at the driver level, is essential.

Highlights from **World of Livestock 2013: Changing Disease Landscapes** include:

- Livestock dynamics are a major determinant in global health, including human, animal and environment health
- Four different diseases complexes are analyzed that relate changing disease patterns to factors of global change (e.g. urbanization, climate change, intensification)
- Major social, economic and environmental benefits can be generated from more integrated control measures.



**FAO's
Livestock
Programme key
publication is an
indispensable
read for policy
makers and
a wide range
of health
professionals.**

The World of Livestock 2013

FAO, Rome, 2013
ISBN: 978-92-5-107927-0
130 pp., 176 x 250 mm
USD 45.00, Paperback

- *Rights available in all languages except: English*



Animal Genetic Resources – an international journal

Animal Genetic Resources is published by Cambridge University Press under the auspices of FAO's Animal Genetic Resources Branch. The journal provides an international forum for the publication of papers related to the management of animal genetic resources for food and agriculture. It covers the following areas: phenotypic and molecular characterization; surveying and monitoring; development (genetic improvement); sustainable use; conservation; capacity-building in livestock-keeping and pastoralist communities; and policies and institutions. Papers are published in English, French or Spanish, with abstracts in the other two languages.

Animal Genetic Resources No. 51
FAO, Rome, 2012
ISBN 9789250073255
ISSN 2078-6336
184 pp., 210 x 297 mm
USD 30.00, Paperback

Animal Genetic Resources No. 52
FAO, Rome, 2013
ISBN 9789250075235
ISSN 2078-6336
184 pp., 210 x 297 mm
USD 35.00, Paperback

● *Trilingual: English, French, Spanish*



Enhancing animal welfare and farmer income through strategic animal feeding

Some case studies

This paper presents a series of case studies to document existing practices that enhance animal welfare as well as farmers' incomes. The information contained should encourage researchers and agencies working in the area of animal welfare to initiate studies to capture the impact of any intervention on farmers' incomes – an area that has been neglected to date. These studies could also pave the way for the development of guidelines and policy options to promote sustainable animal feeding that enhances animal welfare, animal productivity, animal product quality and profitability.

Edited by: Makkar, H.
FAO Animal Production and Health Paper No. 175
FAO, Rome, 2013
ISBN 9789251074527
96 pp., 176 x 250 mm
USD 35.00, Paperback

● *Rights available in all languages except: English*



In vivo conservation of Animal Genetic Resources

In vivo conservation encompasses a range of actions that can be taken to ensure the survival of livestock breeds or populations that are threatened with extinction. These guidelines address both "in situ" conservation (supporting the continued use of threatened breeds in the livestock production systems where they have traditionally been raised) and "ex situ" conservation (maintenance of populations at sites such as conservation farms and zoos). As well as providing a wealth of information on breeding strategies for small at-risk populations, the guidelines provide advice on how to develop an effective and well-targeted national conservation strategy.

FAO Animal Production and Health Guidelines No. 14
FAO, Rome, 2013
ISBN 9789251077252
ISSN 1810-0708
264 pp., 176 x 250 mm
USD 45.00, Paperback

● *Rights available in all languages except: English*



Good emergency management practice: The essentials

A guide to preparing for animal health emergencies

A disease emergency is one of the most challenging situations a veterinary service can confront. Veterinary services must be well prepared to deal with such emergencies quickly and cost-effectively. This manual sets out in a systematic way the elements required to achieve an appropriate level of preparedness for any disease emergency in animals. In particular it focuses on the control of transboundary animal diseases. Some of the principles presented may also be helpful in preparing for food safety, zoonotic and even non-infectious disease emergencies.

By: Honhold, N., Douglas, I., Geering, W., Shimshoni, A., Lubroth, J.

FAO Animal Production and Health Manual No. 11
 FAO, Rome, 2013
 ISBN 9789252070009
 140 pp., 176 x 250 mm
 USD 40.00, Paperback

● **Rights available in all languages except:** English, French, Spanish (forthcoming)



Lessons from HPAI

A technical stocktaking of outputs, outcomes, best practices and lessons learned from the fight against highly pathogenic avian influenza in Asia 2005-2011

Over the past 3-4 years FAO's role and priorities have evolved from a predominantly emergency response to long-term capacity building in order to improve surveillance, early detection and response in highly pathogenic avian influenza (HPAI)-infected and at-risk countries. This transition provides an opportunity to reflect on the work done so far in HPAI control in the Asia region, and identify achievements, success stories, challenges, lessons learned and impact. This document represents the outcome of this exercise and provides in one place the knowledge, insights and recommendations of experts with first-hand knowledge and over eight years of experience in dealing with H5N1 HPAI in Asia.

FAO Animal Production and Health Paper No. 176
 FAO, Rome, 2013
 ISBN 9789251074725
 116 pp., 176 x 250 mm
 USD 25.00, Paperback

● **Rights available in all languages except:** English



Quality assurance for microbiology in feed analysis laboratories

This publication provides comprehensive guidance on the requirements of a microbiology laboratory performing animal feed analysis. It includes examples of standard operating procedures, prepared by experts from around the world, which will assist laboratories in attaining the competence required, enhance the quality of data reported and ensure the safety of laboratory workers. The publication will be of use to laboratory analysts, laboratory managers, students and teachers and will enable workers in the livestock industry to appreciate the importance of proven reliable data and quality assurance.

By: Cowie, R. A.
 FAO Animal Production and Health Manual No. 16
 FAO, Rome, 2013
 ISBN 9789251076569
 206 pp., 176 x 250 mm
 USD 40.00, Paperback

● **Rights available in all languages except:** English



Understanding and integrating gender issues into livestock projects and programmes

A checklist for practitioners

In rural societies, where local culture and traditions are still very vibrant, responsibilities and tasks are often assigned to women and men on the basis of traditional gender roles, defined as those behaviours and responsibilities that a society considers appropriate for men, women, girls and boys. These roles change over time, have different characteristics in every local context and are shaped by ideological, religious, cultural, ethnic and economic factors. They are a key determinant in the distribution of resources and responsibilities between men and women. Recognizing the different roles that women and men play in the agriculture sector is key to identifying the diverse challenges they face and tailoring projects and programmes to their specific needs.

FAO, Rome, 2013
ISBN 9789251075135
52 pp., 210 x 150 mm
USD 10.00, Paperback

- **Rights available in all languages except: English**



Balanced feeding for improving livestock productivity

Increase in milk production and nutrient use efficiency and decrease in methane emission

The data on improving milk production efficiency in dairy animals through balanced feeding suggests that there is considerable scope for enhancing milk production through strategic use of existing feed resources. This paper outlines an approach used by the National Dairy Development, India, to balance rations at the doorsteps of smallholders farmers. This initiative has relevance for many other developing countries.

By: Garg, M.R.
FAO Animal Production and Health Paper No. 173
FAO, Rome, 2012
ISBN 9789251073032
ISSN 0254-6019
42 pp., 176 x 250 mm
USD 20.00, Paperback

- **Rights available in all languages except: English**



Conducting national feed assessments

A National Feed Assessment System (NFAS) is a complete set of procedures, facilities, tools, personnel, organizations, and institutions involved in the collecting, handling and processing of data necessary to calculate and report the supplies of livestock feeds from all sources and for all livestock types in a country. Accurate assessments of current and future supplies and demands for livestock feed are needed for national food security policy and planning, as well as the setting of environmentally sustainable stocking rates. This document provides guidance on developing an NFAS, and will be useful to members of governments and research organizations needing guidance on the technical issues and procedural aspects of building and institutionalizing such a system.

By: Coughenour, M. B., Makkar, H.
FAO Animal Production and Health Manual No. 15
FAO, Rome, 2012
ISBN 9789251073322
ISSN 1810-1119
220 pp., 176 x 250 mm
USD 40.00, Paperback

- **Rights available in all languages except: English**



Cryoconservation of animal genetic resources

These guidelines complement the guidelines on in vivo conservation to be published in the same series. The guidelines describe, in logical chronological order, the process of establishing a programme for cryoconservation of animal genetic resources, starting with the process of confirming the decision to implement a cryoconservation programme. The main body of the guidelines concludes with sections on sanitary measures, data management, legal issues and capacity building. Appendices provide detailed protocols and lists of equipment and reagents for collection and cryopreservation of various tissues for a range of common livestock species.

FAO Animal Production and Health Guidelines No. 12
 FAO, Rome, 2012
 ISBN 9789251073063
 ISSN 1810-0708
 220 pp., 176 x 250 mm
 USD 39.00, Paperback

- **Rights available in all languages except: English**



Developing the institutional framework for the management of animal genetic resources

These guidelines are part of a series to support countries in the implementation of the Global Plan of Action for Animal Genetic Resources. They draw on lessons learned from many years of experience in the implementation of programmes and focal points for the management of animal genetic resources in many parts of the world. The guidelines are further enriched by personal contributions from individuals who have been actively involved in this work.

FAO Animal Production and Health Guidelines No. 6
 FAO, Rome, 2012
 ISBN 9789251069721
 ISSN 1810-0708
 124 pp., 176 x 250 mm
 USD 28.00, Paperback

- **Rights available in all languages except: English, French, Spanish**



EMPRES: Transboundary animal disease bulletin

EMPRES Bulletin publication provides information from different sources on the effective prevention and progressive control of key transboundary animal diseases (TADs), analysing animal disease risks to countries and reporting on progress in the control of such diseases in affected countries.

Transboundary Animal Disease Bulletin, No. 40
 FAO, Rome, 2012
 ISSN 1564-2615
 44 pp., 210 x 297 mm
 Not for sale, Paperback

Transboundary Animal Disease Bulletin, No. 41
 FAO, Rome, 2012
 ISSN 1564-2615
 36 pp., 210 x 297 mm
 Not for sale, Paperback

- *Published in English, French and Spanish*



Invisible Guardians

Women manage livestock diversity

This publication presents an analysis of women's role in the sustainable use, development and conservation of animal genetic resources. The importance of small-scale farmers and pastoralists as custodians of these resources is well recognized, but has never previously been disaggregated by gender. The differential roles of men and women have largely been neglected in studies of animal genetic resources management, but by piecing together several strands of argument and indirect evidence it can be concluded that women are the main guardians of livestock diversity.

By: Köhler-Rollefson, I.
 FAO Animal and Health
 Paper No. 174
 FAO, Rome, 2012
 ISBN 9789251073070
 ISSN 0254-6019
 72 pp., 176 x 250 mm
 USD 20.00, Paperback

- **Rights available in all languages except: English**



Global programme for the prevention and control of highly pathogenic avian influenza

Fifth report: January 2011 – January 2012

This report will be the last to focus primarily on the HPAI global programme. Since early 2011, FAO has taken a broad, multisectoral, collaborative One Health approach and is currently implementing the strategic Action Plan (AP) 2011–2015, entitled Sustainable Animal Health and Contained Animal-Related Human Health Risks – in support of the emerging One Health agenda. The AP extends HPAI lessons learned to other animal diseases that threaten animal and human health, rural populations and livelihoods. The AP's goal is to establish a robust global animal health system that effectively manages major animal health risks, paying particular attention to the animal-human-ecosystem interface, and placing disease dynamics into the broader context of agriculture and socio-economic development and environmental sustainability.

FAO, Rome, 2012
 ISBN 9789251074282
 128 pp., 176 x 250 mm
 Not for sale, Paperback

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Guide to good dairy farming practice

This revised edition has been written in a practical format for dairy farmers engaged in the production of milk from any dairy species to support the production and marketing of safe, quality-assured milk and dairy products. The guide gives individual dairy farmers proactive guidance on how these objectives can be achieved on their farm. The practices suggested have been drawn from best practice guidelines and existing assurance schemes around the world, and will therefore vary in their applicability to various dairy regions. They are not intended to be legally binding and readers are encouraged to select and implement those guidelines that are of relevance to their situation.

FAO Animal Production and Health Guidelines No. 8
 Copublished with the International Dairy Federation
 FAO, Rome, 2012
 ISBN 9789252069577
 ISSN 1810-0708
 48 pp., 176 x 250 mm
 USD 20.00, Paperback

- **Rights available in all languages except: English, French, Spanish, Arabic, Chinese, Russian, Portuguese, Polish (forthcoming)**



PAAT Tsetse and Trypanosomosis Information

INDEX –Volume 33, 34 –
Parts 1-2 (2010), 1-2 (2011)
– Numbers 15196-16036 and
Volume 35 Part 1 and 2

The Tsetse and Trypanosomosis Information periodical was established to disseminate current information on all aspects of tsetse and trypanosomosis research and control.

Edited by: Dargie, J.
PAAT Technical and Scientific Series No. 33-34
FAO, Rome, 2012
ISBN 9789251074510
72 pp., 148 x 210 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English*

PAAT Technical and Scientific Series No. 35, Part 1
FAO, Rome, 2012
ISBN 9789251074343
144 pp., 148 x 210 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English, French*

PAAT Technical and Scientific Series No. 35, Part 2
FAO, Rome, 2012
ISBN: 9789251077009
ISSN: 1812-2442
132 pp., 148 x 210 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English, French*



Surveying and monitoring of animal genetic resources

Sustainable use, development and conservation of animal genetic resources relies on adequate knowledge. These guidelines provide advice on how to draw up a strategy for meeting national needs for data and information. They also offer practical advice on how to plan and implement an animal genetic resources survey – covering the whole process from planning the survey to disseminating the outputs and taking the first steps in translating results into action.

FAO Animal Production and Health Guidelines No. 7
FAO, Rome, 2012
ISBN 9789251069738
ISSN 1810-0708
156 pp., 176 x 250 mm
USD 30.00, Paperback

- **Rights available in all languages except:** *English, French, Spanish*



Système d'information sur le pastoralisme au Sahel

Atlas des évolutions des systèmes pastoraux au Sahel 1970-2012

Le présent atlas fait la synthèse des informations disponibles sur les transformations des systèmes pastoraux au Sahel, collectées dans le contexte du Système d'information sur le pastoralisme au Sahel (SIPSA) ou par d'autres initiatives. Partant d'une analyse des besoins en information conduite dans le cadre du SIPSA, l'atlas analyse les grandes tendances de l'élevage pastoral et de son contexte. Un excellent outil qui permettra la prise de décision fondée sur des bases objectives et assurera l'amélioration certaine de la gouvernance du secteur de l'élevage pastoral sahélien.

Copublished by FAO and CIRAD, Rome, 2012
ISBN 9789252071525
32 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** *French*



Phenotypic characterization of animal genetic resources

These guidelines offer advice on how to conduct a well-targeted and cost-effective phenotypic characterization study that contributes to the improvement of animal genetic resources management in the context of country-level implementation of the Global Plan of Action. An overview of the concepts and approaches that underpin phenotypic characterization is followed by practical guidance on planning and implementing field work, data management and data analysis. The annexes include generic data collection formats for phenotypic characterization of major livestock species, as well as a framework for recording data on breeds' production environments.

FAO Animal Production and Health Guidelines No. 11
FAO, Rome, 2012
ISBN 9789251071991
ISSN 1810-0708
154 pp., 176 x 250 mm
USD 35.00, Paperback

- **Rights available in all languages except:** *English, French (forthcoming)*



Regulatory frameworks for control of HPAI and other TADs

This handbook adopts the principles and approach of One Health by creating an understanding of the context in which diseases emerge, and by presenting the two key issues – legislation and regulatory frameworks – for the attention of administrators and policy-makers. It explains the critical role of regulatory frameworks (policy and institutional) on animal health and the need for close cooperation within countries between people who have technical veterinary expertise and those who have legal and regulatory expertise. It further defines the structure and elements of veterinary policy and legislation, the international frame of reference, the interface between veterinary policy, institutions and legislation, and the potential impacts of the national legal tradition on the way that laws are drafted specifically on animal health matters.

FAO Animal Production and Health Guidelines No. 13
FAO, Bangkok, 2012
ISBN 9789251074817
ISSN 1810-0708
62 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English*



Utilization of fruit and vegetable wastes as livestock feed and as substrates for generation of other value-added products

This publication presents information on the chemical composition, conservation methods, nutritive value and guidelines for incorporation of fruit and vegetable wastes in animal diets. It also covers aspects related to utilization of such wastes as a substrate for the generation of value-added products. The recycling of these resources will economize on animal feed and alleviate environmental pollution.

*By: Wadhwa, M., Bakshi, M.P.S.
Edited by: Makkar, H.
FAO, Bangkok, 2013
ISBN 9789251076316
64 pp., 176 x 250 mm
Not for sale, Paperback*

- **Rights available in all languages except for:** *English*



Biofuel co-products as livestock feed

Opportunities and challenges

.....

This publication presents state-of-the-art knowledge on the use of co-products from the biofuel industry as livestock feed. At present, biofuel production makes use of agricultural crops grown primarily on arable land, in particular maize and wheat, and sugar cane used for the production of ethanol. The publication examines the future availability of co-products in the context of climate change and predicted shortages of fossil fuel, and emphasizes the need to ensure economic sustainability and avoid conflict with traditional usage of arable land to produce food and animal feed.

Edited by: Makkar, H.
FAO, Rome, 2012
ISBN 9789251072998
552 pp., 210 x 297 mm
USD 105.00, Paperback

- **Rights available in all languages except: English**



Biofuels and the sustainability challenge

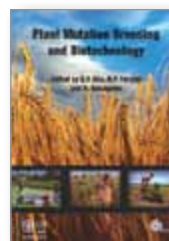
A global assessment of sustainability issues, trends and policies for biofuels and related feedstocks

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Biofuels' global emergence in the last two decades has met with increased concerns over climate change and sustainable development. This report addresses the core issue of sustainability of biofuels and related feedstocks, drawing from sustainability-related studies, reports and policy initiatives from a broad range of countries. The report critically examines the economic, environmental and social sustainability dimensions of biofuels and reviews the major certification initiatives, schemes and regulations.

By: Elbehri, A., Segerstedt, A., Liu, P.
FAO, Rome, 2012
ISBN 9789251074145
192 pp., 176 x 250 mm
USD 40.00, Paperback

- **Rights available in all languages except: English**



Plant mutation breeding and biotechnology

.....

Plant mutation breeding is a common tool available to plant breeders worldwide, and this comprehensive volume addresses the array of recent advances in mutation induction and efficiency enhancing biotechnologies made in this field, including bioinformatics, phenomics and genomics. Detailing both state-of-the-art methodologies and underlying scientific principles, the book covers chemical and physical mutagenesis, mutation induction and functional genomics, illustrated with examples of practical applications and an appendix of recommended doses of gamma and fast neutron irradiation for almost 200 plant species. It is a valuable resource for researchers and students in plant breeding and genetics.

Edited by: Shu, Q., Forster, B.P., Nakagawa, H.
Copublished by FAO and IAEA with CABI, Wallingford, UK, 2012
ISBN 9789251070222
614 pp., 172 x 244 mm
USD 240.00, Hardback

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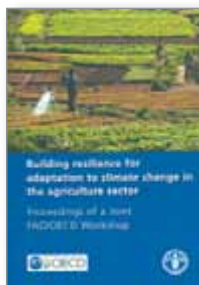


National integrated mitigation planning in agriculture: a review paper

This review of national greenhouse gas (GHG) mitigation planning in the agriculture sector provides policy makers and others in the agriculture sector with an overview of national mitigation planning processes. The document provides guidance in identifying the relevance of these processes for promoting agricultural development. More broadly, it gives policy makers and advisors involved in low-emission development planning processes an overview of the specificities of the agriculture sector and highlights the relevance of agriculture to national mitigation plans and actions.

Mitigation of climate change in agriculture series No. 7
FAO, Rome, 2013
E-ISBN 9789251076170
62 pp., 210 x 297 mm
Not for sale, Online only

- **Rights available in all languages except: English**



Building resilience for adaptation to climate change in the agriculture sector

Proceedings of a Joint FAO/ OECD Workshop

As climate change brings new uncertainties, risks and changes to already existing risks, one of the most efficient ways for agriculture to adapt is by increasing its resilience. A joint FAO/OECD workshop was held in April 2012 to address these issues in different agro-ecological and socio-economic contexts, and to illustrate how building resilience is critical to adapting to climate change. The various sessions of the workshop questioned the notion of resilience, confronting concepts, specific risk management strategies, case studies and national policies, from different perspectives - biophysical, economic, or social and institutional - and at various scales, from farm and household to national and global. This publication brings together and summarizes the papers presented at the workshop.

Copublished with OECD
FAO, Rome, 2012
ISBN 9789251073735
116 pp., 210 x 297 mm
USD 52.00, Paperback

- **Rights available in all languages except: English**



Climate change implications for fishing communities in the Lake Chad Basin

What have we learned and what can we do better?

Better coordination and information sharing for effective aquatic resource use management is vital to ensure sustainable development of land- and aquatic-based activities in the Lake Chad basin. This comes through strongly in the proceedings from the workshop on Climate change implications for fishing communities in the Lake Chad Basin: What have we learned and what can we do better?, held in N'Djamena, Chad from 18 to 20 November, 2011, and organized by the Lake Chad Basin Commission in collaboration with the FAO Fisheries and Aquaculture Department. The meeting identified vulnerabilities specific to the fisheries and made recommendations for actions to increase the adaptability and resilience of the fisheries systems.

FAO Fisheries and Aquaculture Proceedings No. 25
FAO, Rome, 2012
ISBN 9789251073261
92 pp., 210 x 297 mm
USD 35.00, Paperback

- **Rights available in all languages except: English**



Climate change implications for fisheries of the Benguela current region

Making the best of change

This publication includes the report and background papers of the Workshop on Climate Change Implications for Fisheries of the Benguela Current Region: Making the Best of Change. The proceedings cover the regional biophysical features and decadal trends in the Benguela Current Large Marine Ecosystem (BCLME); national contexts of climate variability and change and fisheries; and a vulnerability assessment of the region's fisheries. Discussions largely focused on: aspects of developing a methodology for vulnerability assessment; definition of vulnerability in a fisheries context; potential climate change impacts on, and vulnerability levels of, the different fisheries in the region; and potential short- and medium-term adaptation actions.

FAO Fisheries and Aquaculture Proceedings No. 27
 FAO, Rome, 2012
 ISBN 9789251073421
 136 pp., 210 x 297 mm
 USD 40.00, Paperback

● **Rights available in all languages except: English**



Key title

Peatlands – Guidance for climate change mitigation through conservation, rehabilitation and sustainable use

Second edition

Peatlands and organic soils contain 30 percent of the world's soil carbon but only cover 3 percent of the Earth's land area. Peatlands provide many important ecosystem services, including water regulation, biodiversity conservation, and carbon sequestration and storage. Through conservation, restoration and better management, organic soils and peatlands can make a substantial contribution to reducing atmospheric greenhouse gas concentrations. This report provides information on management and finance options to achieve emissions reductions and enhance other vital ecosystem services from peatlands.

Edited by: Joosten, H., Tapio-Biström, M.-L., Tol, S.
 Mitigation of Climate Change in Agriculture series No. 5
 Copublished by FAO and Wetlands International
 FAO, Rome 2012
 ISBN 9789251073025
 112 pp., 210 x 297 mm
 USD 25.00, Paperback

● **Rights available in all languages except: English**



Priority adaptations to climate change for Pacific fisheries and aquaculture

Reducing risks and capitalizing on opportunities
 Noumea, New Caledonia
 5-8 June 2012

These proceedings present the outcome of the workshop on Priority adaptations to climate change for Pacific fisheries and aquaculture: Reducing risks and capitalizing on opportunities.

FAO Fisheries and Aquaculture Proceedings No. 28
 FAO, Rome, 2012
 ISBN 9789251074473
 ISSN 2070-6103
 120 pp., 210 x 297 mm
 Not for sale, Paperback

● **Rights available in all languages except: English**



Agroindustrias para el desarrollo

El desarrollo de agroindustrias competitivas es crucial para generar oportunidades de empleo e ingresos. Contribuye, además, a mejorar la calidad de los productos agrícolas y su demanda. Las agroindustrias pueden tener un efecto real sobre el desarrollo internacional al aumentar el crecimiento económico y reducir la pobreza, tanto en las áreas rurales como urbanas de los países en desarrollo. Sin embargo, con el fin de evitar efectos adversos sobre países y personas vulnerables, es necesario contar con políticas y estrategias sólidas para fomentar las agroindustrias. Con la colaboración de especialistas en agroindustrias, expertos académicos y organismos técnicos internacionales de las Naciones Unidas, los capítulos abordan las estrategias y acciones necesarias para mejorar la competitividad agroindustrial que permitan generar ingresos, crear empleo y combatir la pobreza en el mundo en desarrollo.

FAO, Rome, 2013
ISBN 9789253074136
316 pp., 176 x 250 mm
USD 70.00, Paperback

- **Rights available in all languages**
except: English and Spanish



FAO Policy on Gender Equality

Attaining food security goals in agriculture and rural development

FAO's new corporate Policy on Gender Equality was officially adopted on International Women's Day, 8 March 2012, to promote gender equality and women's empowerment as a key to eradicate hunger and poverty worldwide. The purpose of this policy document is to provide FAO with a framework for guiding its efforts to achieve gender equality in all its technical work, and for assessing results; it calls on the whole Organization to contribute to these efforts. The policy specifies FAO's goal and objectives related to gender equality and delineates an accountability structure for ensuring policy oversight and achievement of results.

FAO, Rome, 2013
ISBN 9789251074909
36 pp., 210 x 297 mm
USD 15.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish



Food Outlook

Food Outlook is a biannual publication (May/June and November/December) focusing on developments affecting global food and feed markets. The report focuses on developments in international markets, with comprehensive assessments and forecasts on a commodity by commodity basis. Food Outlook maintains a close synergy with another major GLEWS publication, *Crop Prospects and Food Situation*, especially with regard to the coverage of cereals. The full report of Food Outlook is available in English and summaries in Arabic, Chinese, French, Spanish and Russian.

FAO, Rome, 2013
ISSN 1560-8182
128 pp (November, 2012),
136 pp. (June, 2013),
210 x 297 mm
Not for sale, Paperback
also in **e-book** format

- **Rights available in all languages**
except: English, French, Spanish, Arabic, Chinese, Russian



FARM MANAGEMENT EXTENSION GUIDE – SERIES

This series was developed to help extension workers support farmers in dealing with the new challenges that arise from market-oriented farming. The aim is to contribute to building their capacity and skills in farm management and through them, the capacity and skills of the farmers with whom they work. The intention is to help farmers understand why they make the choices they make and how they can improve their decision-making skills.

Market-oriented farming: An overview

Farm Management
Extension Guide No. 1

FAO, Rome, 2013,
ISBN 9789251075395
ISSN 2071-4505
104 pp., 176 x 250 mm
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FAO, Rome, 2013,
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Managing risk in farming

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ISBN 9789251075432
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FAO, Rome, 2013,
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Farm Management
Extension Guide No. 5

FAO, Rome, 2013,
ISBN 9789251075470
ISSN 2071-4505
128 pp., 176 x 250 mm
USD 15.00, Paperback

The role of the farm management specialist in extension

Farm Management
Extension Guide No. 6

FAO, Rome, 2013,
ISBN 9789251075517
ISSN 2071-4505
128 pp., 176 x 250 mm
USD 15.00, Paperback

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Key
title

Resilient livelihoods

Disaster risk reduction for food and nutrition security
2nd edition (2013)

Through its disaster risk reduction (DRR) activities, the Food and Agriculture Organization of the United Nations (FAO) seeks to protect livelihoods from shocks, to make food production systems more resilient and more capable of absorbing the impact of, and recovering from, disruptive events. Disaster risk reduction protects development investments in the agriculture, livestock, fisheries/aquaculture and forestry sectors, helping the world's most vulnerable people become food secure. Furthermore, disaster risk reduction creates a multiplier effect that accelerates the achievement of Millennium Development Goal 1: the eradication of extreme poverty and hunger.

FAO, Rome, 2013,
ISBN 9789251076248
104 pp., 210 x 297 mm
USD 25.00, Paperback

- **Rights available in all languages**
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Serbia – Sugar sector review

Sugar production has increased dramatically over the past ten years and reached almost 500 000 tonnes in the 2010/11 crop year. The main reasons for this recovery are the privatization of the sugar sector and gaining of preferential access to the European Union (EU) market, both of which occurred early in the last decade. Since then, the Serbian sugar industry has also gained preferential access to markets in neighboring countries through the Central European Free Trade Area (CEFTA). However, the fortunes of the sugar industry will depend largely on three factors: (i) the future level of world sugar prices (which will influence price levels in Serbia's main markets), (ii) the price at which farmers will be willing to grow beets and (iii) its level of access to the EU.

By: Hickingbottom, S., Jackson, D.
FAO, Investment Centre
Country Highlights No. 8
Prepared under the FAO/EBRD
Cooperation
FAO, Rome, 2013
94 pp., 148 x 210 mm
Not for sale, Paperback

- **Rights available in all languages**
except: English

Key
title

The State of Food and Agriculture 2013

Food systems for better nutrition

Malnutrition in all its forms – undernutrition, micronutrient deficiencies, and overweight and obesity – imposes unacceptably high economic and social costs on countries at all income levels. Improving nutrition and reducing these costs requires a multisectoral approach that begins with food and agriculture and includes complementary interventions in public health and education. The traditional role of agriculture in producing food and generating income is fundamental, but the entire food system – from inputs and production, through processing, storage, transport and retailing, to consumption – can contribute much more to the eradication of malnutrition.

FAO, Rome, 2013
ISBN 9789251076712
112 pp., 210 x 297 mm
USD 50.00, Paperback
also in **e-book** format

- **Rights available in all languages**
except: English, French, Spanish, Arabic, Chinese, Russian



Tunisie – Financement du secteur agricole

Cette étude sur le financement agricole de la Tunisie répond à une requête faite en décembre 2009 par le ministère tunisien de l'Agriculture et de l'Environnement. Au cours des années, la part des financements bancaires allant à l'agriculture a lentement décliné jusqu'à 10-12 pour cent du produit intérieur brut. Cette étude analyse l'état du secteur agricole, le système bancaire tunisien, le rôle potentiel du gouvernement, la qualité et l'efficacité des prestations de service financier. Elle identifie des réformes institutionnelles nécessaires et propose des recommandations spécifiques pour que le secteur agricole puisse être compétitif.

By: Marx, M., Fouquet, B.
FAO, Investment Centre
Country Highlights No. 9
Prepared under the FAO/EBRD
Cooperation
FAO, Rome, 2013
322 pp., 148 x 210 mm
Not for sale, Paperback

- **Rights available in all languages except: French**



Credit guarantee systems for agriculture and rural enterprise development

Credit guarantee systems for agriculture and rural enterprise development takes a fresh and unbiased look at the application and results of guarantee funds for agricultural and rural enterprise development. In order to address the need for increased investment in agriculture and agribusiness, there is renewed interest in using guarantee systems investment to attract finance and investment towards target groups and agro-industries, including small and medium enterprises, that are too risky for adequate financing without such risk-sharing incentives. The document serves to inform development agencies and policy makers on current practices and experiences, so that they can apply this information to their decision-making regarding whether or not and/or how best to promote guarantee mechanisms that are effective and sustainable.

FAO, Rome, 2012
ISBN 9789251074121
122 pp., 176 x 250 mm
USD 25.00, Paperback

- **Rights available in all languages except: English**



Enabling environments for agribusiness and agro-industries development

Regional and country perspectives

The existence of a conducive business climate, or enabling environment, is considered essential to engender economic growth and development. However, what “an enabling environment” should encompass in practical terms remains elusive to many scholars and policy makers, particularly when discussed at the sub-sector level. This publication examines issues associated with enabling environments with a focus on agribusiness and agro-industrial sectors, which have not yet had their peculiar characteristics sufficiently examined in traditional appraisals of business climates.

Agribusiness and Food
Industries Series No. 1
FAO, Rome, 2012,
ISBN 9789251074107
ISSN 2304-5191
70 pp., 176 x 250 mm
USD 25.00, Paperback

- **Rights available in all languages except: English**



Experiencias y enfoques de procesos participativos de innovación en agricultura

El caso de la corporación PBA en Colombia

En Colombia, la Corporación para el Desarrollo Participativo y Sostenible de los Pequeños Productores Rurales (Corporación PBA), ha desarrollado la estrategia de Innovación Rural Participativa (IRP), en la cual se prioriza el desarrollo y estímulo a las capacidades, habilidades y destrezas de los agricultores, considerando como base su propio conocimiento. Así mismo, ha procurado fomentar en los centros de investigación, autoridades del Estado, organismos gubernamentales y no gubernamentales la función de acompañantes de procesos sociales locales, a fin de llevar a cabo una innovación, no para la gente, ni de la gente, sino junto con la gente.

By: Pérez Martínez, M., E.,
Clavijo Ponce, N.
FAO, Rome, 2012
ISBN 9789253074259
64 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except: Spanish**



Gain methodology: diagnosis and design of change processes within producer organizations

This report describes a new methodology called GAIN (Governance, Autonomy, Integration, Needs based). The main objective of this methodology is to provide an effective assessment tool for initiating endogenous structural changes within a producer organization. Using a participatory and iterative approach, GAIN combines an internal assessment of the organization with an analysis of its immediate environment in order to initiate a gradual process of economic self-empowerment.

FAO, Rome, 2012
ISBN 9789251074152
112 pp., 176 x 250 mm
USD 28.00, Paperback

- **Rights available in all languages except: English, French**



Good practices in building innovative rural institutions to increase food security

New forms of institutional innovations have emerged recently to provide a response to the numerous constraints that small producers face in rural areas. These innovative organizations and institutional arrangements can provide small producers an array of services including improving market access and strengthening small producers' negotiating power, enhancing access to and management of natural resources and improving access to information and knowledge. There is a need to recognize the critical role of these innovative organizations and institutional arrangements in order to be more effective in poverty reduction and food security efforts. This case study-based publication presents a collection of 35 cases of successful small-scale producer innovative organizations and institutional arrangements, from different regions in the world.

FAO, Rome, 2012
ISBN 9789251068984
120 pp., 176 x 250 mm
USD 40.00, Paperback

- **Rights available in all languages except: English, French, Farsi**



**Key
title**

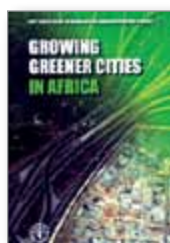
Governing land for women and men

A technical guide to support the achievement of responsible gender-equitable governance of land tenure

Gender equality is one of the ten core principles of the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security. This guide aims to assist in its implementation through the achievement of responsible gender-equitable governance of land tenure. It focuses on equity and on how land tenure can be governed in ways that address the different needs and priorities of women and men. The guide provides advice on mechanisms, strategies and actions that can be adopted to improve gender equity in the processes, institutions and activities of land tenure governance.

FAO, Rome, 2012
ISBN 9789251074039
116 pp., 210 x 270 mm
USD 42.00, Paperback

● **Rights available in all languages except: English**



Growing greener cities in Africa

First status report on urban and peri-urban horticulture in Africa

African policy makers need to act now to steer urbanization from its current, unsustainable path toward healthy, greener cities that ensure food and nutrition security, decent work and income, and a clean environment for all their citizens. This report highlights a key component of sustainable urban development: urban and peri-urban horticulture (UPH). Based on an Africa-wide survey and on case studies prepared by national experts, the report reviews the current state of UPH in countries across the continent, from Algeria to Zambia, and in cities from Nairobi to Dakar. It presents major findings, detailed profiles of urban and peri-urban horticulture in 22 countries, and recommendations for the development of market gardens to serve Africa's rapidly growing urban population.

FAO, Rome, 2012
ISBN 9789251072868
112 pp., 176 x 250 mm
USD 28.00, Paperback

● **Rights available in all languages except: English, French, Portuguese**



Livestock sector development for poverty reduction

An economic and policy perspective – Livestock's many virtues

Launched in 2001 by the FAO, the Pro-Poor Livestock Policy Initiative (PPLPI) facilitates and supports the formulation and implementation of livestock-related policies and institutional changes that have a positive impact on the world's poor. To achieve this, PPLPI combines stakeholder engagement with research and analysis, information dissemination and capacity strengthening. This publication reviews major aspects of the livestock-poverty interface with the objective of identifying the conditions under which livestock can be an effective tool for poverty reduction; the interventions that allow livestock's poverty reduction potential to be unlocked, and the contexts in which they do so.

By Otte, J., Costales, A., Dijkman, J., Pica-Ciamarra, U., Robinson, T., Ahuja, V., Ly, C., Roland-Holst, D.
FAO, Rome, 2012
ISBN 9789251072424
161 pp., 176 x 250 mm
USD 52.00, Paperback

● **Rights available in all languages except: English, French (forthcoming)**



Managing FAO in turbulent times

From 1994 to 2011

The Food and Agriculture Organization of the United Nations (FAO) was established in 1945 with a mandate to ensure global food security. In a context where agriculture had to compete with many other priorities on the development agenda, FAO Director-General Jacques Diouf launched numerous initiatives during his mandate - spanning 1994 to 2011 - to reposition the Organization and adapt its structures and operations to respond efficiently and effectively to the complex challenges affecting food security in the 21st century. *Managing FAO in turbulent times - From 1994 to 2011* presents a snapshot of these changes, achieved at a time when FAO was facing increasing demands for support from its Members, yet dealing with severe budget constraints.

FAO, Rome, 2012
ISBN 9789251070963
102 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages**
except: English, French



Organic supply chains for small farmer income generation in developing countries

Case studies in India, Thailand, Brazil, Hungary and Africa

The demand for organic products in developing countries continues to grow and price premiums for organic certified products are available, albeit not comparable with those of a decade or so ago. This paper focuses on case studies on organic rice in India and Thailand, horticulture products in Brazil and Hungary, and coffee and fruit in African countries. It first summarizes findings on the marketing, financing, post-harvest and value-added components of these organic ventures and then provides conclusions and recommendations for policy-makers, the private sector and support organizations for the future development of organic supply chains in developing countries.

Agribusiness and Food Industries Series No. 2
FAO, Rome, 2012
ISBN 9789251074114
ISSN 2304-5191
60 pp., 176 x 250 mm
USD 25.00, Paperback

- **Rights available in all languages**
except: English



Plan of Action for Malawi 2012-2016

As part of its Strategic Framework 2010-2019, FAO aims to strengthen disaster preparedness and improve linkages and transitions between emergency, rehabilitation and development. FAO uses the Plan of Action (PoA) as a tool to promote more integrated planning and coordination, and to guide a smooth transition from relief to development in disaster-prone and -affected countries. The current document provides details of the proposed PoA for Malawi. It describes FAO's strategy to "bridge" emergency interventions to more medium- and long-term national development priorities and programmes for the next five years (2012-2016) in support of the Government and in partnership with key stakeholders.

FAO, Rome, 2012
ISBN: 9789251073292
84 pp., 210 x 210 mm
Not for sale, Paperback

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Report of the Regional agro-industries forum for the Middle East and North Africa

Beirut, 15-18 November 2011

The Forum was organized by FAO in partnership with the United Nations Industrial Development Organization (UNIDO) and in collaboration with the Lebanese Ministry of Agriculture representing the Government of Lebanon.

FAO, Rome, 2012
ISBN 9789250073408
108 pp., 210 x 297 mm
USD 25.00, Paperback

- **Rights available in all languages except:** *English, Arabic*



Stocktaking of livelihoods projects in India

The World Bank has supported a series of rural livelihood projects in seven States of India over the past decade. The main principle is that the poor need to be socially and economically mobilized in order to form their own institutions; investment in the creation of this institutional platform is fundamental for sustainable poverty reduction. The present large-scale and apparent success of the livelihood projects prompted the World Bank to commission a stocktaking study, coordinated by the FAO Investment Center Division. This study seeks to examine important project outcomes and impacts, find significant innovations and to see what lessons can be learned from this experience in order to help design future interventions of this nature. The working papers on which the synthesis draws are summarized in the Annexes.

FAO, Investment Center
Best practices in investment design No. 3
FAO, Rome, 2012
88 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English*



Stocktaking of M&E and Management Information Systems

Selected agricultural and rural development projects in South Asia

This report presents the main findings of a joint FAO Investment Center and World Bank stocktaking of monitoring, evaluation and learning (ME&L) and management information systems (MIS) in selected agricultural and rural development (ARD) projects in South Asia. The stocktaking is based on case studies of eight ARD projects in India (six World Bank-assisted, two IFAD-assisted), an electronic survey of World Bank-assisted ARD projects in the region, and a desk review of project reports and relevant literature.

By: Lai, K. C.
FAO, Investment Center
Best Practices in Investment Design No. 5
FAO, Rome, 2012
88 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English*



Social analysis for agriculture and rural investment projects (3 booklets)

These three guides demonstrate the application of social analysis to investment programmes and projects in agricultural and rural development. The Manager's Guide addresses the needs of project managers and team leaders. The Practitioner's Guide deals with the "why and what" questions, building on the conceptual approach in the Manager's Guide. The Field Guide provides guidance on the fieldwork aspects of social analysis, based on the Practitioner's Guide.

FAO, Rome, 2012
 Manager's guide:
 59 pp., 176 x 250 mm
 Practitioner's guide:
 69 pp., 176 x 250 mm
 Field guide:
 81 pp., 176 x 250 mm
 Not for sale, Paperback

- **Rights available in all languages**
except: English



The State of Food and Agriculture 2012 Investing in agriculture for a better future

Investing in agriculture is essential for reducing hunger and promoting sustainable agricultural production. Those parts of the world where agricultural capital per worker and public investments in agriculture have stagnated are the epicentres of poverty and hunger today. Demand growth over the coming decades will place increasing pressure on the natural resource base. Government investment in agriculture is a crucial component of providing an enabling environment for private investments in the sector. Governments need to channel scarce public funds towards the provision of essential public goods with high economic and social returns.

FAO, Rome, 2012
 ISBN 9789251073179
 180 pp., 210 x 297 mm
 USD 75.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish, Arabic, Chinese, Russian



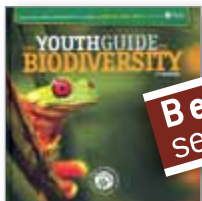
The State of Food Insecurity in the World 2012

Economic growth is necessary but not sufficient to accelerate reduction of hunger and malnutrition

The State of Food Insecurity in the World 2012 presents new estimates of undernourishment based on a revised and improved methodology. These show that progress in reducing hunger during the past 20 years has been better than previously believed, and that, given renewed efforts, it may be possible to reach the MDG hunger target at the global level by 2015. However, the number of people suffering from chronic undernourishment is still unacceptably high, and eradication of hunger remains a major global challenge. The 2012 report also highlights the importance of sustainable agricultural growth in reducing undernourishment in rural areas. Other policies and programmes that will ensure "nutrition-sensitive" growth include supporting increased dietary diversity, improving access to safe drinking water, sanitation and health services, and educating consumers regarding adequate nutrition and childcare practices.

FAO, Rome, 2012
 ISBN 9789251073162
 62 pp., 210 x 297 mm
 USD 30.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish, Arabic, Chinese, Russian



**Best
seller**

The Youth Guide to Biodiversity

1st edition

The guide was jointly developed by the Convention of Biological Diversity (CBD) and FAO, with contributions and support from many other institutions and individuals. It is designed as a educational resource for schools, youth groups and other curious young learners. The guide explains many different aspects of biodiversity, from genes to species and ecosystems. It explores biodiversity under the sea, on the land, up in the air, in rivers, and lakes, and on the farms that produce our food. It considers why biodiversity is important, how humans impact it, and what we must do to conserve the world's biological resources.

FAO, Rome, 2012
ISBN 9789251074459
260 pp., 215 x 225 mm
USD 65.00, Paperback

- **Rights available in all languages except: English**



Trends and impacts of foreign investment in developing country agriculture

Evidence from case studies

Although there has been much debate about the potential benefits and risks of international investment, there is no systematic evidence on the actual impacts on the host country and their determinants. In order to acquire an in-depth understanding of potential benefits, constraints and costs of foreign investment in agriculture and of the business models that are more conducive to development, FAO has undertaken research in developing countries. This publication summarizes the results of this research with case studies on policies to attract foreign investment in agriculture and their impacts on national economic development in selected countries in Africa, Asia and Latin America.

FAO, Rome, 2012
ISBN 9789251074015
380 pp., 176 x 250 mm
USD 75.00, Paperback

- **Rights available in all languages except: English**



A global assessment of offshore mariculture potential from a spatial perspective

This publication provides, for the first time, measures of the status and potential for offshore mariculture development from a spatial perspective that include all maritime nations and enable comparison. It also identifies nations that are not yet practising mariculture that have a high offshore potential. The underlying purpose of the document is to stimulate interest in detailed assessments of offshore mariculture potential at national levels. Remote sensing for the sustainable development of offshore mariculture is presented in an annex to the publication, highlighting its importance as a source of data for spatial analyses to assess potential for offshore mariculture, for zoning and site selection, as well as for mariculture management.

Edited by: McDaid Kapetsky, J., Jenness, J., Aguilar-Manjarrez, J.
FAO Fisheries and Aquaculture Technical Paper No. 549
FAO, Rome, 2013
ISBN 9789251073896
ISSN 2070-7010
200 pp., 210 x 297 mm
USD 60.00, Paperback

- **Rights available in all languages except: English**



Advances in geographic information systems and remote sensing for fisheries and aquaculture

Summary version

This publication is an essential guide to understanding the role of spatial analysis in the sustainable development and management of fisheries and aquaculture. It emphasizes the fundamental skills and processes associated with geographic information systems (GIS) and remote sensing. The required spatial data and computer hardware and software are outlined, as well as the considerations necessary to implementing a GIS. Current issues, status and applications of GIS and remote sensing to aquaculture, inland fisheries and marine fisheries are described to illustrate the capabilities of these technologies. Emerging thematic issues having a spatial context in fisheries and aquaculture in the near future are also described, and finally useful clues to accomplishing GIS work are addressed.

Edited by: Meaden, G., J., Aguilar-Manjarrez, J.
FAO Fisheries and Aquaculture Technical Paper No. 552
FAO, Rome, 2013
ISBN 9789251073919
ISSN 2070-7010
108 pp., 176 x 250 mm
USD 25.00, Paperback

- **Rights available in all languages except: English**



Fish species introductions in the Kyrgyz Republic

This document analyses existing data so that the experiences and lessons learned from species introductions can inform future stocking programmes in the Kyrgyz Republic and elsewhere in the region. Information is provided to support the management of exotic and indigenous species in Kyrgyz fisheries and aquaculture, including an analysis of the long term consequences of possible stocking programmes for exotic and native species and the use of cages in natural waters. The document includes a detailed inventory of all water bodies, as well as fishery and fish culture resources. It also aims to serve the rehabilitation and sustainable and ecologically sound development of both the fishery and aquaculture sectors in the Kyrgyz Republic, with recommendations for sustainable utilization of natural waters, reservoirs and fish farms.

FAO Fisheries and Aquaculture Technical Paper No. 584
FAO, Rome, 2013
ISBN 9789251076200
ISSN 2070-7010
120 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: English**



Guidelines to reduce sea turtle mortality in fishing operations

These guidelines provide assistance for the preparation of national or multilateral fisheries management measures and industry initiatives that may help to conserve sea turtles by reducing the negative impacts that fisheries may have on them. They present our best understanding of how to reduce the proportion of caught turtles that are killed as a result of interactions with marine capture fisheries. The guidelines include information on how to change fishing gear and fishing methods and how the fishing industry can adopt voluntary approaches to reduce sea turtle mortality.

FAO, Rome, 2013,
ISBN 9789251062265
140 pp., 176 x 250 mm
USD 32.00, Paperback

- **Rights available in all languages except:** *English, French, Spanish*



Indicators for sustainable aquaculture in Mediterranean and Black Sea countries

Guide for the use of indicators to monitor sustainable development of aquaculture

This publication provides guidance for the use of indicators to monitor the sustainable development of aquaculture in Mediterranean and Black Sea countries. It mainly draws upon outcomes of the InDAM project on "Indicators for Sustainable Development of Aquaculture and Guidelines for their use in Mediterranean", funded by the European Commission Directorate-General for Maritime Affairs and Fisheries (DG MARE), as well as outputs of other projects and initiatives dealing with Mediterranean aquaculture sustainability. InDAM was implemented to support the Working Group on Sustainability in Aquaculture (WGSA) of the GFCM Committee on Aquaculture (CAQ).

General Fisheries Commission for the Mediterranean (GFCM):
Studies and Reviews No. 93
FAO, Rome, 2013,
ISBN 9789251074831
ISSN 1020-9549
68 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except:** *English*



Marine protected areas

Country case studies on policy, governance and institutional issues. Japan–Mauritania–Philippines–Samoa

This document presents case studies of the policy, governance and institutional issues of marine protected areas (MPAs) in Japan, Mauritania, the Philippines and Samoa. It is the second of four in a global series of case studies on MPAs. The set of case studies was designed to close an information gap on the governance of MPAs and spatial management tools, within both fisheries management and biodiversity conservation contexts.

FAO Fisheries and Aquaculture
Technical Paper No. 556/2
FAO, Rome, 2013
ISBN 9789251075067
ISSN 2070-7010
124 pp., 210 x 297 mm
USD 30.00, Paperback

- **Rights available in all languages except:** *English*



FISHERIES AND AQUACULTURE REPORTS

Report of the meeting on considerations to improve the relevance and effectiveness of the committee for inland fisheries and aquaculture of Africa (CIFAA) as a continent-wide regional fishery body

Cape Town, South Africa,
26-27 March 2012

At its Sixteenth Session, the Committee for Inland Fisheries and Aquaculture of Africa (CIFAA) suggested that its role and performance as a regional fishery body (RFB) be re-examined. Accordingly, the Committee created an ad hoc Working Group to make recommendations on the future role of CIFAA and a meeting was organized from 26 to 27 March 2012 in Cape Town, South Africa, to discuss its proposal.

FAO Fisheries and Aquaculture Reports No. 1035
FAO, Rome, 2013,
ISBN 9789250075082
ISSN 2070-6987
60 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: English, French**

Report of the sixth meeting of the RECOFI Working Group on Fisheries Management

Doha, The State of Qatar,
5-8 November 2012

The Working Group on Fisheries Management (WGFM) addressed and made decisions on matters concerning relevant follow-up to the Fifth meeting of the RECOFI WGFM and to the Sixth Session of RECOFI that was held in Rome, Italy, from 10 to 12 May 2012. The status of the implementation of the fisheries management recommendation on minimum data reporting in recommendation RECOFI6/2011/1 that entered into force on 1 January 2012 was discussed. The report on the RECOFI Workshop on Social and Economic Aspects of Fisheries in the RECOFI Region as well as the progress on the work of the Task Group for this activity was presented and discussed.

FAO Fisheries and Aquaculture Reports No. 1034
FAO, Rome, 2013
ISBN 9789251074886
ISSN 2070-6987
100 pp., 210 x 297 mm
USD 30.00, Paperback

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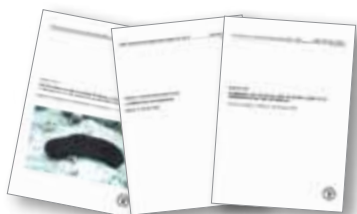
Report of the FAO/CRFM/WECAFC Caribbean Regional Consultation on the development of international guidelines for securing sustainable small-scale fisheries

Kingston, Jamaica, 6-8
December 2012

The FAO/CRFM/WECAFC Caribbean Regional Consultation on the Development of International Guidelines for Securing Sustainable Small-Scale Fisheries took place in Kingston, Jamaica, on 6-8 December 2012. It brought together more than 60 representatives from government, regional organizations, academia and civil society to further discuss structure, overall considerations and thematic coverage of the future small-scale fisheries (SSF) Guidelines.

FAO Fisheries and Aquaculture Report No. 1033
FAO, Rome, 2013,
ISBN 9789251074954
ISSN 2070-6987
60 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: English**



FISHERIES AND AQUACULTURE REPORTS

Report of the FAO Workshop on Sea Cucumber Fisheries: an Ecosystem Approach to Management in the Indian Ocean (SCEAM Indian Ocean)

Mazizini, Zanzibar, the
United Republic of Tanzania,
12-16 November 2012

The five-day SCEAM Indian Ocean workshop, held in 2012, brought together fishery managers from 14 countries to share knowledge and improve management plans in Indian Ocean sea cucumber fisheries. Background seminars first provided up-to-date research on fisheries management. The workshop then focused on interactive sessions to diagnose specific issues before deciding on appropriate objectives, regulatory measures and management actions. The outputs shared in this report detail current management practices and constraints in Indian Ocean sea cucumber fisheries and the proposed strategies and research priorities of the participating fishery managers.

FAO Fisheries and Aquaculture
Report No. 1038
FAO, Rome, 2013
ISBN 9789251075326
ISSN 2070-6987
104 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages**
except: English

Report of the Thirtieth Session of the Committee on Fisheries

Rome, 9-13 July 2012

The Thirtieth Session of the Committee on Fisheries (COFI) 2012 reviewed the issues of an international character and the FAO programme in fisheries and aquaculture and their implementation.

FAO Fisheries and Aquaculture
Report No. 1012
FAO, Rome, 2012,
ISBN 9789251073940
ISSN 2070-6987
72 pp., 210 x 297 mm
USD 22.00, Paperback

- **Rights available in all languages**
*except: English, French, Spanish,
Arabic, Chinese, Russian*

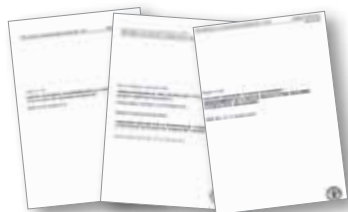
Report of the workshop on the social and economic aspects of fisheries in the RECOFI region

Manama, Kingdom of Bahrain,
22-24 April 2012

The RECOFI Workshop on Social and Economic Aspects of Fisheries in the RECOFI region was held in Manama, Kingdom of Bahrain in 2012, following the agreement at the Sixth Session of the Regional Commission for Fisheries held in Rome in 2011. Delegates from four member countries and two observers, as well as the RECOFI Secretariat, discussed the social and economic aspects of fisheries in RECOFI. They reviewed the availability of data on the socio-economic statistics, analysis work and other relevant research activities in member countries, and formulated a RECOFI action plan for regional cooperation in assessing socio-economic aspects through identifying regional socio-economic indicators to be used at both national and regional levels.

FAO Fisheries and Aquaculture
Report No. 1015
FAO, Rome, 2012
ISBN 9789251073216
ISSN 2070-6987
60 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages**
except: English



FISHERIES AND AQUACULTURE REPORTS

Report of the Expert Workshop on Greenhouse Gas Emissions Strategies and Methods in Seafood

Rome 23-25 January 2012

This workshop was convened by the Director-General of FAO, following a recommendation by the Twenty-ninth Session of the Committee on Fisheries that FAO should provide Members with information on possible fishing industry contributions to climate change, and on ways to reduce the sector's reliance on, and consumption of, fossil fuels, respecting the principles embodied within the United Nations Framework Convention on Climate Change.

FAO Fisheries and Aquaculture
Report No. 1011
FAO, Rome, 2012
ISBN 9789251073513
ISSN 2070-6987
124 pp., 210 x 297 mm
USD 30.00, Paperback

- **Rights available in all languages**
except: English

Report and papers presented at the Third Workshop on Fish Technology, Utilization and Quality Assurance in Africa

Victoria, Mahe, Seychelles,
22-25 November 2011

This workshop reviewed in particular fresh or live fish handling, fish processing, post-harvest loss assessment, quality and safety, as well as marketing and socio-economic issues. The report includes the recommendations as well as the papers that were available to the experts. The workshop was organized by the Products, Trade and Marketing Service of FAO's Fisheries and Aquaculture, Policy and Economics Division (FIP), in collaboration with the Seychelles Bureau of Standards (SBS) in Victoria, Mahe, Seychelles.

FAO Fisheries and Aquaculture
Report No. 990
FAO, Rome, 2012
ISBN 9789250073828
ISSN 2070-6987
272 pp., 210 x 297 mm
USD 55.00, Paperback

- **Rights available in all languages**
except: English, French

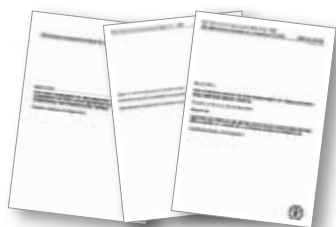
Report of the FAO/SPC Regional Scoping Workshop: Development of a Pacific Aquaculture Regional Cooperative Programme

Nadi, Fiji, 11-14 October 2011

This workshop was convened to engage high level discussions between national governments and international development partner organizations on the need to provide more attention to aquaculture development in small island developing states including the Pacific Island Countries and Territories (PICTs).

FAO Fisheries and Aquaculture
Report No. 1023
FAO, Rome, 2012
ISBN 9789251073506
ISSN 2070-6987
56 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages**
except: English



FISHERIES AND AQUACULTURE REPORTS

Report of the FAO/APFIC Workshop on Implementing the 2009 FAO Agreement on Port State Measures to Combat Illegal, Unreported and Unregulated Fishing

Bangkok, Thailand
23-27 April 2012

This report contains the results of the Workshop held in Bangkok, Thailand and which focused on the implementation of the Agreement from a legal, policy, institutional and capacity development, as well and operational standpoint.

FAO Fisheries and Aquaculture
Report No. 1008
FAO, Rome, 2012
ISBN 9789251072608
ISSN 2070-6987
73 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: English**

Report of the FAO Working Group on the Assessment of Small Pelagic Fish off Northwest Africa

Casablanca, Morocco,
24-28 May 2011

A permanent FAO Working Group composed of scientists from the coastal states, and from countries or organizations that play an active role in northwest African pelagic fisheries, was established in March 2001. Its overall objective is to assess the state of the small pelagic resources in Northwest Africa and make recommendations on fisheries management and exploitation options aimed at ensuring optimal and sustainable use of these resources for the benefit of coastal countries.

FAO Fisheries and Aquaculture
Report No. 1026
FAO, Rome, 2012
ISBN 9789250074245
ISSN 2070-6987
264 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except: English, French**

Report of the Twenty-seventh Session of the European Inland Fisheries and Aquaculture Advisory Commission

Hameenlinna, Finland,
24-26 October 2012

The Twenty-seventh Session of the European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC) was held in Hämeenlinna, Finland, from 24 to 26 October 2012. It reviewed EIFAAC's intersessional achievements since the last session in 2010 which included inter alia the approval by the FAO Council of the change of name from EIFAC to EIFAAC to include aquaculture and of the revised Statutes of EIFAAC, finalization and adoption of the amended EIFAAC Rules of Procedure, and the progress made on technical and scientific issues through the EIFAAC projects. The EIFAAC Strategy Plan for 2012-2016 was adopted.

FAO Fisheries and Aquaculture
Reports No. 1028
FAO, Rome, 2012
ISBN 9789251074206
ISSN 2070-6987
48 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except: English, French, Spanish**



Review of jellyfish blooms in the Mediterranean and Black Sea

In the past decade, the media has reported increasingly high numbers of gelatinous plankton blooms, with thousands of tourists stung, fisheries harmed or even impaired by jellyfish that eat fish eggs and larvae, and coastal plants stopped by gelatinous masses. A new type of human approach to marine ecosystems is clearly needed to confront issues such as jellyfish blooms. This updated overview reviews current knowledge on gelatinous plankton in the affected region, providing a framework for its inclusion into fisheries science and the management of human activities such as tourism and coastal development. This document stems from the Workshop on Algal and Jellyfish Blooms in the Mediterranean and Black Sea, organized by the General Fisheries Commission for the Mediterranean (GFCM) in Istanbul (Turkey) 6-8 October 2010.

General Fisheries Commission for the Mediterranean (GFCM): Studies and Reviews No. 92
FAO, Rome, 2013
ISBN 9789251074572
ISSN 1020-9549
64 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: English**



Review of the implementation of the international plan of action for the conservation and management of sharks

This document reviews and provides information on National Plans of Action (NPOAs) for the Conservation and Management of sharks, national fisheries regulations in general and measures applicable to sharks including research, data collection and reporting. It focuses on the 26 top shark-fishing countries, areas and territories, determined as those reporting at least 1 percent of global shark catches during the decade from 2000 to 2009. It also considered shark action plans and measures from the European Union (Member Organization) and ten Regional Fisheries Management Organizations (RFMOs). The report was prepared by FAO in response to a request in 2011 by the Conference on Fisheries for a review of the implementation of the 1999 FAO International Plan of Action for the Conservation and Management of sharks by FAO Members, and of the challenges faced by Members when implementing the instrument.

FAO Fisheries and Aquaculture Circular No. 1076
FAO, Rome, 2013
ISBN 9789251073247
ISSN 2070-6065
128 pp., 210 x 297 mm
USD 30.00, Paperback

- **Rights available in all languages except: English**



Site selection and carrying capacities for inland and coastal aquaculture

FAO/Institute of Aquaculture, University of Stirling, Expert Workshop, 6-8 December 2012

An FAO-sponsored Expert Workshop on Site Selection and Carrying Capacities for Inland and Coastal Aquaculture was held at the Institute of Aquaculture, University of Stirling (UK) in 2010. Definitions of carrying capacity for different types of aquaculture were discussed and agreed upon, on the basis of four categories: physical, production, ecological and social. The range and capability of modelling tools, including spatial tools, available for addressing these capacities were also examined. The prioritization and sequence for addressing site selection and the different categories of carrying capacity were considered in detail in terms of both regional or national priorities and site-specific considerations.

Edited by: Ross, L.C., Telfer, T.C., Falconer, L., Soto, D., Aguilar-Manjarrez, J.
FAO Fisheries and Aquaculture Proceedings No. 21
FAO, Rome, 2013
ISBN 9789251073889
ISSN 2070-6103
56 pp., 210 x 297 mm
USD 15.00, Paperback

- **Rights available in all languages except: English**



Assemblage et installation de cages hexagonales en bois pour l'élevage de poissons

Un manuel technique

Ce document est un guide pratique qui fournit la liste et les détails techniques des matériaux à utiliser pour assembler une cage hexagonale en bois pour l'élevage de poissons, ainsi que son système d'amarrage, dans le cadre d'une aquaculture artisanale. Les instructions pour l'assemblage des différents composants sont illustrées en détail et les directives techniques pour l'installation sur le site d'élevage sont également décrites. Les connaissances de base et les instructions fournies dans ce manuel s'adressent aux acteurs actuels et futurs du développement aquacole.

FAO Documents techniques sur les pêches et l'aquaculture No. 576
FAO, Rome, 2012
ISBN 9789252073802
ISSN 2070-7029
88 pp., 210 x 297 mm
USD 28.00, Paperback

- **Rights available in all languages except: French**



Key title

Commercially important sea cucumbers of the world

Sea cucumbers are exploited and traded in more than 70 countries worldwide. This book provides identification information on 58 species of sea cucumbers that are commonly exploited in artisanal and industrial fisheries around the world. It is intended for fishery managers, scientists, trade officers and industry workers. The volume is fully indexed and contains an introduction, a glossary, and dedicated bibliography.

FAO Species Catalogue for Fisheries Purposes No. 6
FAO, Rome, 2012
ISBN 9789251067192
220 pp., 176 x 250 mm
USD 30.00, Paperback

- **Rights available in all languages except: English**



Developing fish landing centres

Experiences and lessons from Sri Lanka

The Restoration and Improvement of Fish Landing Centres with Stakeholder Participation in Management Project was implemented between August 2008 and September 2011. Its goal was to improve the livelihoods of fishers and fishing communities in tsunami-affected areas in Sri Lanka. This paper documents the experiences and lessons generated by the project which will serve as a source of information and inspiration for further work in the sustainable development of small-scale fishing communities and fish landing sites elsewhere. Attention focuses on the involvement of stakeholders, the practical aspects of the initial profiling and selection process for landing site development and the importance of capacity development in ensuring sustainability of the project outcome.

FAO Fisheries and Aquaculture Circular No. 1063
FAO, Rome, 2012
ISBN 9789251073728
ISSN 2070-6065
100 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except: English**



Elasmobranchs of the Mediterranean and Black Sea

Status, ecology and biology – bibliographic analysis

This document brings together published information on taxonomy, distribution, status, statistics, fisheries, bycatch, biologic and ecologic parameters on age and growth, food and feeding habits, reproductive biology and stock assessment of elasmobranchs in the Mediterranean and Black Sea. Recommendations to fill gaps in order to protect and manage elasmobranch stocks are proposed. Moreover, problems encountered by elasmobranchs in the GFCM area are highlighted and conservation measures are suggested.

General Fisheries Commission for the Mediterranean (GFCM), Studies and Reviews No. 91
FAO, Rome, 2012
ISBN 9789251073865
ISSN 1020-9549
116 pp., 210 x 297 mm
USD 30.00, Paperback

- **Rights available in all languages**
except: English



Fisheries management

Marine protected areas and fisheries

This document provides information and guidance on the use of marine protected areas (MPAs) in the context of fisheries. The guidelines are divided into two sections: the first discusses definitions and context, and provides background information on fisheries management, the ecosystem approach to fisheries (EAF) and MPAs as a tool for fisheries management, including socio-economic and biological impacts. The second section considers the planning and implementing of MPAs including the institutional, legal and policy context, the planning process and actual implementation considerations. The document also highlights the need for increased coordination across sectors and agencies/departments. As with all fisheries management, good governance – including adequate stakeholder participation – is key to successful and equitable management outcomes.

FAO Technical Guidelines for Responsible Fisheries No. 4 Suppl. 4
FAO, Rome, 2012
ISBN 9789252067900
ISSN 1020-5292
228 pp., 148 x 210 mm
USD 20.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish



North Atlantic batoids and chimaeras relevant to fisheries management

A pocket guide

This pocket guide presents a fully illustrated identification guide to a selection of batoid and chimaera species of the North Atlantic, encompassing FAO Fishing Areas 21 and 27. It includes 33 species of batoids and 3 chimaeras selected as being most relevant to commercial fisheries, vulnerable to exploitation due to their life history characteristics, or taken in large numbers as discarded bycatch. Information under each species account includes FAO common names, local names, scientific names, FAO 3-alpha codes, colour illustrations of the species' dorsal or lateral view (and often anatomical details), main field markings and diagnostic features, and size and main distinctive characters of similar species occurring in the area. Its pocket format and plastic support make it an easy-to-carry tool that can be used in wet environments and underwater.

FAO, Rome, 2012
ISBN 9789251073650
84 pp., 140 x 140 mm
USD 30.00, Paperback

- **Rights available in all languages**
except: English



North Atlantic sharks relevant to fisheries management

A pocket guide

This pocket guide presents a fully illustrated identification guide to a selection of shark species of the North Atlantic, encompassing FAO Fishing Areas 21 and 27. It includes 38 species selected as being most relevant to commercial fisheries, vulnerable to exploitation due to their life history characteristics, or taken in large numbers as discarded bycatch. Information under each species account includes FAO common names, local names, scientific names, FAO 3-alpha code, a color illustration of the species' lateral view (and often anatomical details), main field markings and diagnostic features, and size and main distinctive characters of similar species occurring in the area. Its pocket format and plastic support make it an easy-to-carry tool that can be used in wet environments and underwater.

FAO, Rome, 2012
 ISBN 9789251073667
 88 pp., 140 x 140 mm
 USD 30.00, Paperback

● **Rights available in all languages except: English**



Priority Adaptations to Climate Change for Pacific Fisheries and Aquaculture – Reducing Risks and Capitalizing on Opportunities

FAO/Secretariat of the Pacific Community 5-8 June 2012 – Noumea, New Caledonia

These workshop proceedings cover the implications of climate change for Pacific fisheries and aquaculture and priority adaptations for economic development and government revenue, food security and sustainable livelihoods for Melanesian, Micronesian and Polynesian nations. The workshop discussions recommended immediate action by all Pacific Island countries and territories (PICTs) to manage fisheries resources sustainably now and into the future, and to establish systems to minimize impacts of various drivers facing the sector, while capitalizing on opportunities.

FAO Fisheries and Aquaculture Proceedings No. 28
 FAO, Rome, 2012
 ISBN 9789251074473
 ISSN 2070-6103
 116 pp., 210 x 297 mm
 Not for sale, Paperback

● **Rights available in all languages except: English**



Regional review on status and trends in aquaculture development in the Near East and North Africa – 2010

This review, based on an overview of the social and economic background of the Near East and North Africa region, looks thoroughly at the general characteristics of the aquaculture sector in the region and identifies gaps, needs and opportunities for further aquaculture development based on environmentally friendly approaches and economically sustainable concepts.

FAO Fisheries and Aquaculture Circulars No. 1061/6
 FAO, Rome, 2012
 ISBN 9789250069265
 ISSN 2070-6065
 240 pp., 210 x 297 mm
 Not for sale, Paperback

● **Rights available in all languages except: English, Arabic**



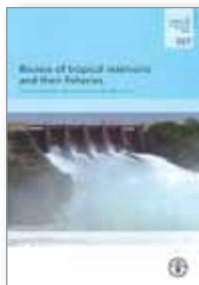
Report of the FAO/CECAF Working Group on the Assessment of Small Pelagic Fish – Subgroup South

Accra, Ghana,
19-28 October 2009

The overall objective of WGASPS is to contribute to the improved management of small pelagic resources in West Africa through the assessment of the state of the stocks and fisheries to ensure sustainable use of these resources for the benefit of coastal countries.

CECAF/ECAF series 12/74
FAO, Rome, 2013
NO ISBN
NO ISSN
182 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English, French*



Review of tropical reservoirs and their fisheries

The cases of Lake Nasser, Lake Volta and Indo-Gangetic Basin reservoir

This technical paper reviews the knowledge accumulated in reservoirs in three very different tropical systems: northern India and Pakistan in the Indus and Ganges systems, Lake Nasser in the Nile River Basin and Lake Volta in the Volta River Basin. Data and information on hydrological, biophysical and limnological features, primary production, fish and fisheries were compiled from grey and published literature providing a baseline against which to describe and analyse the ecological changes that have taken place since impoundment.

FAO Fisheries and Aquaculture
Technical Paper No. 557
FAO, Rome, 2012,
ISBN 9789251067413
ISSN 2070-7010
164 pp., 210 x 297 mm
USD 35.00, Paperback

- **Rights available in all languages except:** *English*



Safety Recommendations for Decked Fishing Vessels of Less than 12 metres in Length and Undecked Fishing Vessels

The purpose of the safety recommendations contained in this publication is to provide information on the design, construction, equipment, training and protection of the crews of small fishing vessels with a view to promoting the safety of the vessel and the safety and health of the crews. The recommendations may also serve as a guide for those concerned with the safety of vessels used in support of aquaculture activities.

Copublished by FAO, IMO
and ILO
FAO, Rome, 2012
ISBN 9789251073971
264 pp., 210 x 297 mm
USD 60.00, Paperback

- **Rights available in all languages except:** *English*



Science and Management of Small Pelagics

Symposium on Science and the Challenge of Managing Small Pelagic Fisheries on Shared Stocks in Northwest Africa

The four themes addressed by the symposium were: resources and exploitation – biology and ecology of main resources and status of fisheries; dynamics and variability of pelagic fish populations and environmental influences; methods and models for assessing small pelagic fish stocks; and management of fisheries on shared resources. The proceedings present a summary of the various sessions as well as of the outcomes of the discussion. The publication is in English and French, with the papers are presented in their original language accompanied by an abstract in both languages.

Edited by: Garcia, S., Tandstad, M., Caramelo, A.,
FAO Fisheries and Aquaculture Proceedings No 18
FAO, Rome, 2012
ISBN 9789250071046
ISSN 2070-6103
428 pp., 210 x 297 mm
USD 80.00, Paperback

- **Rights available in all languages except:** English, French



Key title

The State of World Fisheries and Aquaculture 2012

This edition of The State of World Fisheries and Aquaculture highlights the vital role of fisheries and aquaculture in both food and nutrition security as well as economic expansion. The sector remains a major supplier of high-quality animal protein and supports the livelihoods and well-being of more than ten percent of the world's population. International trade in fish has reached new peaks as overall production has continued to rise. Yet, as the document underlines, an array of problems – ranging from the need for more effective governance to that of ensuring environmental sustainability – threatens to undermine the sector's valuable contribution to alleviating hunger and reducing poverty. Using the latest available statistics on fisheries and aquaculture, this edition presents a global analysis of the sector's status and trends.

FAO, Rome, 2012
ISBN 9789255072253
ISSN 1020-5489
228 pp., 210 x 297 mm
USD 65.00, Paperback

- **Rights available in all languages except:** English, French, Spanish, Arabic, Chinese, Russian



Best seller

World aquaculture 2010

The global production of fish from aquaculture has grown substantially during the past decade and aquaculture continues to be the fastest growing animal food producing sector, currently accounting for nearly half of the world's food fish consumption. Over the past decade, a number of developments have contributed to this growth, namely: the formulation and implementation of better policies, strategies, plans and legislation; dissemination and use of applied research; and the emergence of new domestic and international markets. This overview springs from a series of regional reviews conducted in 2010 by FAO covering Asia-Pacific, Europe, Latin America and the Caribbean, Near East and North Africa, North America and sub-Saharan Africa.

FAO Fisheries and Aquaculture Technical Paper No. 500/1
FAO, Rome, 2012
ISBN 9789251069974
ISSN 2070-7010
118 pp., 210 x 297 mm
USD 20.00, Paperback

- **Rights available in all languages except:** English



Codex Alimentarius Commission. Procedural Manual Twenty-first edition

The Procedural Manual of the Codex Alimentarius Commission is intended to help Member Governments participate effectively in the work of the joint FAO/WHO Food Standards Programme. The manual is particularly useful for national delegations attending Codex meetings and for international organizations attending as observers. It sets out the basic Rules of Procedure, procedures for the elaboration of Codex standards and related texts, as well as basic definitions and guidelines for the operation of Codex committees. It also gives the membership of the Codex Alimentarius Commission.

Codex Alimentarius – Joint FAO/WHO Food Standards No. 21
FAO, Rome, 2013,
ISBN 9789251075708
ISSN 1020-8070
212 pp., 148 x 210 mm
USD 40.00, Paperback

- **Rights available in all languages except:** English, French, Spanish



Compendium of food additive specifications Joint FAO/WHO Expert Committee on Food Additives. 76th meeting 2012

This compendium contains food additive specification monographs, analytical methods, flavouring agent specifications and other information prepared for the seventy-sixth meeting of the Joint FAO/WHO Expert Committee on Food Additives (JECFA), which was held in Geneva, Switzerland from 5 to 14 June 2012. The specification monographs provide information on the identity and purity of food additives used directly in foods or in food production. This publication and other documents produced by JECFA contain information that is useful to all those who work with or are interested in food additives, including flavouring agents, and their safe use in food.

FAO JECFA Monographs No. 13
FAO, Rome, 2013,
ISBN 9789251075050
ISSN 1817-7077
120 pp., 210 x 297 mm
USD 35.00, Paperback

- **Rights available in all languages except:** English



Dietary protein quality evaluation in human nutrition Report of an FAO Expert Consultation

This report considers the effectiveness of, and concerns about, the PDCAAS method for evaluating protein quality and provides justifications and recommendations concerning the method. A new method of dietary quality evaluation called DIAAS is recommended for application in practice. The FAO Expert Consultation on Protein Quality Evaluation in Human Nutrition was held in Auckland, New Zealand, from March 31 to April 2, 2011.

FAO Food and Nutrition Paper No. 92
FAO, Rome, 2013
ISBN 9789251074176
ISSN 0254-4725
74 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** English



Key
title

Eating well for good health

Lessons on nutrition and healthy diets

This learning module is designed to explore the basic concepts of good nutrition, health and healthy diets. The lessons are designed for anyone who wants to learn how to improve their diets and eating habits. They can be used both inside and outside the classroom by students, teachers, youth or community groups and by individuals who want to learn on their own. The activities and their accompanying materials, which include fact sheets, work sheets, exercises, quizzes and community investigations, help learners test and reinforce their understanding of the basic concepts of each lesson and apply their acquired knowledge to their daily lives.

By: Menza, V., Probart, C.
FAO, Rome, 2013
ISBN 9789251076101
360 pp., 210 x 297 mm
USD 110.00, Paperback

- **Rights available in all languages except:** *English*



FAO/WHO guide for application of risk analysis principles and procedures during food safety emergencies

An essential part of the Food Safety Emergency Response (FSER) is the process of assessing the risk, making risk management decisions, and communicating risk in the face of time constraints, lack of data and knowledge gaps. While the elements for conducting a risk analysis have been documented by Codex Alimentarius, the process of applying the risk analysis concept operationally during an emergency has not been addressed thoroughly. Some countries do, however, have well-defined procedures for assessing, managing and communicating food safety risks in the context of emergency situations, from which best practices may be derived. FAO and WHO have developed this document to support countries in applying risk analysis principles and procedures during emergencies in their own national food control systems.

Copublished with the WHO
FAO, Rome, 2012
ISBN 9789252069881
56 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English, French, Spanish*



FAO/WHO guide for developing and improving national food recall systems

Food recall is a fundamental tool in the management of risks in response to food safety events and emergencies. Some countries are still in need of an effective recall system and the necessary infrastructure to support it. The purpose of the document is to support countries in establishing and implementing an effective national food recall system to respond to food safety events or emergencies. By drawing on demonstrated best practices, the elements for an effective national food recall system, and the process for establishing, reviewing and/or improving the national food recall system, are described as essential components of a national food control system.

Copublished with the WHO
FAO, Rome, 2012
ISBN 9789251072905
68 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages except:** *English, French, Spanish*

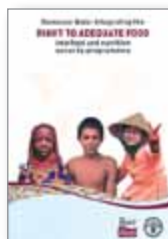


Food Security Communications Toolkit

This toolkit was prepared as part of the EC-FAO Programme on Linking Information and Decision Making to Improve Food Security, funded by the European Union and implemented by the FAO. A major part of the materials in the toolkit are based on two e-learning courses also developed as part of the EC-FAO Programme: i) Communicating Food Security; and ii) Reporting Food Security Information.

FAO, Rome, 2012,
ISBN 9789251068588
218 pp., 210 x 297 mm
USD 75.00, Paperback
(+ CD-ROM)

- **Rights available in all languages except:** English, French, Spanish



Guidance note: integrating the right to adequate food into food and nutrition security programmes

This publication is a practical tool for practitioners who want to integrate the right to food into food and nutrition security programmes. It briefly explains the conceptual, legal and operational dimensions of the right to food. The guidance note then looks at four key entry points for integrating the right to food into food and nutrition security programmes: roles and responsibilities of stakeholders, legal aspects, monitoring, and recourse and claim mechanisms. It uses specific examples and cases to illustrate how this can be done.

FAO, Rome, 2012,
ISBN 9789251074411
80 pp., 176 x 250 mm
USD 17.00, Paperback

- **Rights available in all languages except:** English



Guidelines for measuring household and individual dietary diversity

Obtaining detailed data on household food access or individual dietary intake can be time consuming and expensive, and requires a high level of technical skill both in data collection and analysis. Dietary diversity is a qualitative measure of food consumption that reflects household access to a variety of foods, and is also a proxy for nutrient adequacy of the diet of individuals. The dietary diversity questionnaire represents a rapid, user-friendly and easily administered low-cost assessment tool.

FAO, Rome, 2012
ISBN 9789253067497
56 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages except:** English, French, Spanish



Indigenous peoples' food systems and well-being

Interventions and policies for healthy communities

Indigenous peoples in the most rural areas of developing regions experience challenges in using their traditional food systems and ensuring food security and health, despite the treasures of food biodiversity that could support well-being. This book is the third in a series promoting use of local food systems by indigenous peoples. It includes the findings of more than 40 interdisciplinary collaborators who created health promotion interventions for communities using local food systems. Included are participatory processes using local knowledge and activities specifically for local food; global overviews of indigenous peoples' health circumstances, environmental concerns, and infant and child feeding practices; and nine specific case examples from Canada, Japan, Peru, India, Colombia, Thailand and the Federated States of Micronesia.

Edited by: Kuhnlein, H., V., Erasmus, B., Spigelski, D., Burlingame, B.
 FAO, Rome, 2012
 ISBN 9789251074336
 416 pp., 205 x 250 mm
 USD 86.00, Paperback

● **Rights available in all languages except: English**



Lao People's Democratic Republic rice policy study 2012

This study provides an analysis of the rice sector in the Lao PDR to support evidence-based policy decisions. Most importantly, it seeks to provide a useful contribution to the Government of the Lao PDR in its design of a rice sector policy for the country, and will be a first step in defining a comprehensive food security policy for the country. The study is an initiative of the Government of the Lao PDR and, in particular, the Ministry of Agriculture and Forestry (MAF). It has benefited from collaboration between the World Bank, FAO and the International Rice Research Institute (IRRI).

By: Eliste, P., Santos, N.
 FAO, Rome, 2013,
 ISBN 9789251074657
 176 pp., 148 x 210 mm
 USD 10.00, Paperback

● **Rights available in all languages except: English**



Pesticide residues in food 2012

Joint FAO/WHO Meeting on Pesticide Residues. Report 2012

During this meeting, the FAO Panel of Experts reviewed pesticide use patterns (use of good agricultural practices); data on the chemistry and composition of the pesticides; and methods of analysis for pesticide residues and for estimating maximum residue levels that might result from the use of the pesticides according to good agricultural use practices. The report contains information on ADIs, ARfDs, maximum residue levels, and general principles for the evaluation of pesticides. The recommendations of the meeting, including further research and information, are proposed for use by Member governments of the respective agencies and other interested parties. This annual Joint Meeting of the FAO Panel of Experts on Pesticide Residues in Food and the Environment and the WHO Core Assessment Group on Pesticide Residues was held in Rome, Italy, from 11 to 20 September 2012.

FAO Plant Production and Protection Papers No. 215
 FAO, Rome, 2012,
 ISBN 9789251074008
 ISSN 0259-2517
 546 pp., 210 x 297 mm
 USD 90.00, Paperback

● **Rights available in all languages except: English**



Key
title

Sustainable diets and biodiversity

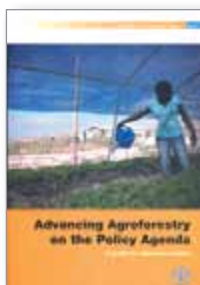
Directions and solutions for policy, research and action

This publication highlights the alarming pace of biodiversity loss and ecosystem degradation, and the consequent negative impacts on poverty and health. It makes a compelling case for re-examining food systems and developing and promoting strategies for sustainable diets, emphasizing the positive role of food biodiversity in human nutrition and poverty alleviation. The contents of this book were presented at the International Scientific Symposium on Biodiversity and Sustainable Diets, organized by FAO and Biodiversity International, and held at FAO, Rome, from 3 to 5 November 2010.

*Edited by: Burlingame, B.,
Dernini, S.*

FAO, Rome, 2012,
ISBN 9789251073117
308 pp., 210 x297 mm
USD 110.00, Paperback

- **Rights available in all languages except: English**



Advancing agroforestry on the policy agenda

A guide for decision-makers

As defined by the World Agroforestry Centre (ICRAF), agroforestry is a dynamic, ecologically based, natural resources management system that, through the integration of trees on farms and in the agricultural landscape, diversifies and sustains production for increased social, economic and environmental benefits for land users at all levels. Yet it is still considered a peripheral activity of agriculture and many farmers and other land users are ignorant of its benefits. This paper is a guide for policy-makers, advisers and other technocrats who wish to include agroforestry in the national agenda. It aims to assist countries in developing policy, legal and institutional conditions that facilitate the adoption of agroforestry and recognize its contribution to national development. Illustrated with case studies and examples of good practice from around the world, these guidelines are an invaluable addition to the agroforestry global agenda.

By: *Buttoud, G.*
Agroforestry Working Paper No. 1
FAO, Rome, 2013,
ISBN 9789251074701
48 pp., 210 x 297 mm
USD 20.00, Paperback

● **Rights available in all languages except: English**



Edible insects

Future prospects for food and feed security

Edible insects have always been a part of human diets, but in some societies there remains a degree of disdain and disgust for their consumption. Insects offer a significant opportunity to merge traditional knowledge and modern science to improve human food security worldwide. This publication describes the contribution of insects to food security and examines the prospects for raising insects at a commercial scale to improve food and feed production, diversify diets, and support livelihoods in both developing and developed countries. Edible insects are a promising alternative to the conventional production of meat, either for direct human consumption or for indirect use as feedstock. This book will boost awareness of the many valuable roles that insects play in sustaining nature and human life, and it will stimulate debate on the expansion of the use of insects as food and feed.

FAO, Rome, 2013
ISBN 9789251075951
ISSN 0258-6150
208 pp., 210 x 297 mm
USD 40.00, Paperback
also in **e-book** format

● **Rights available in all languages except: English**



Forestry legislation in Azerbaijan, Central Asian countries and Turkey

Common issues and guidelines for reform

Following an overview of relevant international legal instruments, the study describes and analyses the main forestry legislation texts of Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan and Uzbekistan. It includes a summary description of the legislation, focusing on selected issues, and an analysis of the provisions addressing those issues. Based also on the FAO workshops held in Astana (October 2011) and in Istanbul (July 2012), it also provides recommended legislative drafting guidelines.

FAO, Ankara, 2013
ISBN 9789250074603
132 pp., 140 x 240 mm
Not for sale, Paperback

● **Rights available in all languages except: English, Russian**



Sustainable management of *Pinus radiata* plantations

Pinus radiata (radiata pine) is a versatile, fast-growing, medium-density softwood, suitable for a wide range of end uses. Its silviculture is highly developed, and is built on a firm foundation of over a century of research, observation and practice. Radiata pine is often considered a model for growers of other plantation species. This book explores current knowledge of, and experience with, radiata pine forest plantation management and examines its long-term sustainability. The focus of the book is on the principles and practices of growing radiata pine sustainably. It also looks ahead to emerging challenges, such as the effects of climate change, new diseases and other threats, and meeting changing product needs and societal demands.

By: Mead, D.
FAO Forestry Paper No. 170
FAO, Rome, 2013
ISBN 9789251076347
ISSN 0258-6150
264 pp., 210 x 297 mm
USD 60.00, Paperback

- **Rights available in all languages except:** English



Tenure of indigenous peoples' territories and REDD+ as a forestry management incentive: the case of Mesoamerican countries

This study examines the situation in countries such as Costa Rica, Guatemala, Honduras, Mexico, Nicaragua and Panama, where there are considerable forest areas with significant indigenous populations. Programmes to reduce emissions from deforestation and ecosystem degradation, such as REDD+, could help strengthen processes of conservation, sustainable usage and poverty reduction in the Mesoamerican region, particularly in indigenous territories and communities.

FAO, Rome, 2013
ISBN 9789251075029
68 pp., 210 x 275 mm
USD 30.00, Paperback

- **Rights available in all languages except:** English



Why invest in sustainable mountain development?

Climate change, increasing natural disasters, food and energy crises, population growth, water scarcity and desertification, loss of biodiversity, degradation of ecosystems, migration, and growth of cities – the planet is currently facing a multitude of challenges. Mountain regions and their inhabitants are disproportionately affected, but also offer significant opportunities for solutions. By providing key environmental services such as freshwater, biodiversity conservation and hydropower to more than half of humanity, mountain ecosystems play a critical role in world development. They are essential building blocks for long-term sustainable global development, poverty alleviation and the transition to a green economy. In a world heading towards water, food and energy crisis, sustainable mountain development is a global priority.

FAO, Rome, 2013
ISBN 9789251070123
74 pp., 210 x 297 mm
Not for sale, Paperback

- **Rights available in all languages except:** English, French, Spanish



Collaborative conflict management for enhanced national forest programmes (nfps)

Training manual

This manual provides guidelines for trainers conducting courses on collaborative conflict management for enhanced national forest programmes (nfps). It builds on the companion handbook (FAO, 2012), which describes the framework and processes for managing public disputes related to nfps. It suggests a general framework for a five-day course and sets out activities, questions that participants in such workshops often ask, and a sample training agenda.

By: Engel., A.
 FAO, Rome, 2012
 ISBN 9789251073902
 146 pp., 210 x 297 mm
 Not for sale, Paperback

- **Rights available in all languages except:** English, French, Spanish

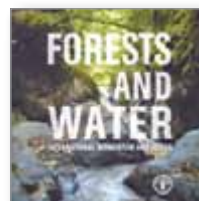


Forest management practices with potential for REDD+ in Zambia

The Government of the Republic of Zambia is currently assessing the opportunities that REDD+ may provide through different forest and land management practices in Zambia. As one of the fourteen developing countries piloting the UN-REDD programme, Zambia is determined to take advantage of these opportunities. Well-designed REDD+ frameworks are expected to have positive effects on biodiversity, ecosystem conservation and the livelihoods of forest-dependent communities. This study was commissioned to support the process of preparing FAO's Forestry Department, as well as other institutions and stakeholders, for effective nationwide implementation of the REDD+ mechanism in Zambia.

FAO, Rome, 2012
 ISBN 9789253070121
 110 pp., 210 x 297 mm
 Not for sale, Paperback

- **Rights available in all languages except:** English



Forests and water

International momentum and action

As part of the follow-up to the Shiga Declaration and to the Warsaw Resolution 2, many events on forests and water were organized by FAO and other institutions between 2008 and 2011. Presenting experiences ranging from research to project implementation worldwide, these events provided new, up-to-date insight into the topic as well as important recommendations for the way forward. FAO took the initiative of synthesizing the main outcomes and recommendations resulting from this process to develop a comprehensive and practical international forests and water agenda to address the future course of action.

FAO, Rome, 2012
 ISBN 9789251074183
 82 pp., 210 x 210 mm
 USD 28.00, Paperback

- **Rights available in all languages except:** English



Global forest land-use change 1990-2005

This report presents the key findings on forest land use and land-use change between 1990 and 2005 from FAO's 2010 Global Forest Resources Assessment Remote Sensing Survey. It is the first report of its kind to present systematic estimates of global forest land use and change. The ambitious goal of the Remote Sensing Survey was to use remote sensing data to obtain globally consistent estimates of forest area and changes in tree cover and forest land use. The report is the result of many years of planning and three years of detailed work by staff at FAO and the European Commission Joint Research Centre, with inputs from technical experts from over 100 countries. Many of these contributors now constitute a valuable global network of forest remote sensing and land-use expertise.

FAO Forestry Paper No. 169
FAO, Rome, 2012,
ISBN 9789251073995
ISSN 0258-6150
54 pp., 210 x 297 mm
USD 18.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish



Guidelines for Institutionalizing and Implementing Community-based Forestry Management in sub-Saharan Africa

This publication proposes key institutional, policy and legislative measures that need to be put in place for the sustainable engagement of local communities in forest management and development. Furthermore, it emphasizes the need for collective vision, equitable benefit sharing and value development of – and market access for – products, in order to make community forestry attractive to both governments and target communities. The document is intended for use by policy-makers and forestry practitioners in sub-Saharan Africa.

FAO, Accra, 2012
ISBN 9789252072683
64 pp., 170 x 235 mm
Not for sale, Paperback

- **Rights available in all languages**
except for: English, French



Key
title

State of the World's Forests 2012

This tenth edition explores the role of forests in human history, finding strong links between forest use and economic and social development. It suggests that forest production has an important role to play in a sustainable future in which consumption and production are connected in a closed cycle. It also points out the importance of striking a balance between forest conservation and use.

FAO, Rome, 2012
ISBN 9789251072929
ISSN 1020-5705
56 pp., 210 x 297 mm
USD 30.00, Paperback

- **Rights available in all languages**
except: English, French, Spanish, Arabic, Chinese, Russian



Unasyvla 239 Vol. 63 – 2012/1

The power of forests

This edition of Unasyvla comes in the wake of the United Nations Conference on Sustainable Development, Rio+20, which, among other things, produced a document called The Future We Want. In it, world leaders renewed their commitment to sustainable development and stated that “the wide range of products and services that forests provide creates opportunities to address many of the most pressing sustainable development challenges”. In this issue, Unasyvla looks at the power of forests to bring about sustainable development.

Unasyvla No. 239
FAO, Rome, 2012
ISSN 0041-8436
84 pp., 210 x 297 mm
Not for sale, Paperback

● *Published in English, French and Spanish*



Wildlife in a changing climate

This report foresees that the rate of loss of wild animal species will be accelerated by climate change unless urgent measures are taken. Particularly at risk are wildlife and ecosystems in coastal and mountain areas, with Africa, where a mean temperature rise of 3-4 °C is expected by the end of the century, being one of the world's most vulnerable regions. Using case studies, the report puts forward a series of responsive measures to mitigate the impact of climate change.

Edited by: Kaeslin, E., Redmond, I., Dudley, N.

FAO Forestry paper No. 167
FAO, Rome, 2012
ISBN 9789253070893
ISSN 0258-6150
128 pp., 176 x 250 mm
USD 30.00, Paperback

● ***Rights available in all languages except: English, Spanish***



Key
title

Irrigation in Central Asia in figures

Aquastat Survey – 2012

This report presents the results of the most recent survey carried out in the Central Asia region, and analyses the changes that have occurred since the first survey ten years ago. Following the AQUASTAT methodology, the survey relied as much as possible on country-based data. Section I of the report describes in detail the methodology used and contains a glossary of terms. Section II contains the regional analysis, with a synopsis of water resources, water use and irrigation. It also describes the legislative and institutional framework as well as environmental issues and presents prospects for agricultural water management from the countries' perspective. Section III contains detailed country profiles for Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan, and one river basin profile for the Aral Sea basin.

FAO Water Report No. 39
FAO, Rome, 2013
ISBN 9789251076606
244 pp., 210 x 297 mm
USD 50.00, Paperback

- **Rights available in all languages**
except: *English, Russian*
(forthcoming)



Land degradation assessment in drylands

Methodologies and results

LADA (Land Degradation Assessment in Drylands project) is a scientifically-based approach to assessing and mapping land degradation on different scales (small to large) and at various levels (local to global). It was initiated in drylands, but its methods and tools are widely applicable in other contexts. Adopting the LADA approach is useful in developing national action plans, strategies and policies for combating desertification, improving food security and alleviating rural poverty, especially in response to climate change. LADA surveys form reliable baselines for monitoring and evaluation of sustainable land management programmes.

FAO, Rome, 2013
ISBN 9789251075661
62 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages**
except: *English*



Land Tenure Journal

No. 1/12 October 2012 and
No 2/12 December 2012

This journal is a medium for the dissemination of quality information and diversified views on land and natural resources tenure, and aims to lead debate in the areas of land tenure, land policy and land reform. Its prime beneficiaries are land administrators and professionals although it also allows room for relevant academic contributions and theoretical analyses.

Land Tenure Journal – Revue des question foncières – Revista sobre Tenencia No. 1/12
FAO, Rome, 2012
ISBN 9789250073378
ISSN 2079-7168
80 pp., 210 x 230 mm
USD 40.00, Paperback

Land Tenure Journal – Revue des question foncières – Revista sobre Tenencia No. 2/12
FAO, Rome, 2013
ISBN 9789250076126
ISSN 2079-7168
172 pp., 210 x 230 mm
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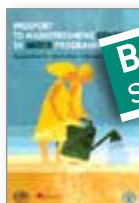


Mapping land use systems at global and regional scales for land degradation assessment analysis

The Land Degradation Assessment in Drylands (LADA) project focused on means of assessing the nature, extent and impacts of land degradation on dryland ecosystems, watersheds and river basins, carbon storage and biological diversity on various scales. It enabled users to assess regional and global land degradation and highlight areas at risk. Local assessments focused on root causes and on local (traditional and adapted) mitigation technologies. Areas where degradation is controlled were drawn upon to develop "best practice" guidelines that were widely disseminated, and lessons from partner countries (Argentina, China, Cuba, Senegal, South Africa and Tunisia) were included for up-scaling to countries within their region.

By: Nachtergaele, F., Petri, M.
 FAO, Rome, 2013
 ISBN 9789251075647
 82 pp., 176 x 250 mm
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Best seller

Passport to mainstreaming gender in water programmes

Key questions for interventions in the agricultural sector

As stated in The State of Food and Agriculture 2010-2011, the agriculture sector is under-performing in many developing countries, partly because women do not have equal access to the resources and opportunities they need to be more productive. Women also have less access to education, agricultural information and extension services, technology, credit and other financial services. This booklet is designed for field staff involved in the design, implementation, operation and maintenance of water management projects for agricultural production. Its purpose is to support them in mainstreaming a gender perspective during all stages of agricultural water management projects and programmes.

FAO, Rome, 2013,
 ISBN 9789251074619
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Soil, your silent ally

A selection of videos and educational animations explaining the different roles of soils in our lives is presented in this DVD. This is part of a joint strategy to promote awareness on the importance of this fundamental natural resource. The aim of the DVD is to raise the voice of a silent resource that is facing a continuous degradation process.

FAO, Rome, 2013
 ISBN 9789251075104
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Voluntary guidelines on the governance of tenure – At a glance

This guide provides an overview of the *Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security*, describing their nature, purpose, contents and intended audience. The guide explains tenure and demonstrates how improving the governance of tenure can serve to eradicate both hunger and poverty and lead to the sustainable use of natural resources.

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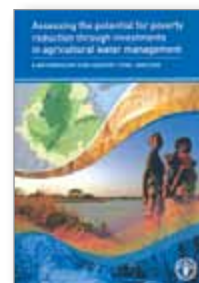


Yunga Water Challenge Badge

Developed in collaboration with United Nations agencies, civil society and other organizations, the challenge badges aim to raise awareness, educate and motivate young people to change their behaviour and be active agents of change in their local communities. The challenge badge series can be used by teachers and youth leaders, especially Guide or Scout groups. This booklet includes background information on water, the water cycle and how water sustains life, as well as outlining why humans need clean water and sanitation to stay healthy. It looks at the factors that affect our water supply (such as over-use, pollution, natural hazards and climate change) and how water can be conserved and used more efficiently. The booklet proposes a range of activities and ideas to stimulate learning.

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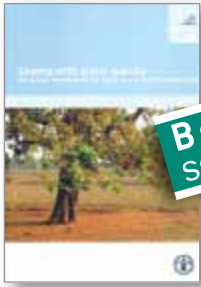
Assessing the potential for poverty reduction through investments in agricultural water management

A methodology for country level analysis

In many countries, investments in agricultural water management are seen as a key element of rural development and poverty reduction strategies, but they are often costly. Planning such investments requires a good overview of their benefits and costs, and of their sustainability, and guidance is needed in answering the following three questions: i) where to invest? ii) who will benefit? iii) what typology of investment is most appropriate? This report describes a methodology to conduct rapid country-level appraisals of the potential for agricultural water management investments in support of rural livelihoods.

FAO, Rome, 2012
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**Best
seller**

Coping with water scarcity

An action framework for agriculture and food security

This report provides a conceptual framework for addressing food security under conditions of water scarcity in agriculture. It was prepared by a team of FAO staff and consultants working on the project "Coping with water scarcity: the role of agriculture?", and revised on the basis of an Expert Consultation meeting organized in FAO, Rome in December 2009. The document examines the conceptual framework on which FAO's water scarcity programme should be based, proposes a set of definitions associated with the concept of water scarcity, and indicates the main principles that FAO should follow to best support its member countries.

FAO Water Report No. 38
FAO, Rome, 2012
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ISSN 1020-1203
96 pp., 210 x 297 mm
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- **Rights available in all languages except:** English, French, Spanish, Russian (forthcoming)



State of the art report on global and regional soil information: Where are we? Where to go?

Under the current challenges of food security, climate change adaptation and mitigation, further provision of ecosystem services and sustainable intensification of agriculture, soil information becomes fundamental to guide wise policies and decisions. This document reviews the present availability of soil information from legacy maps and reports and from ongoing digital soil mapping efforts.

FAO, Rome, 2012
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Forest fires and the law

A guide for national drafters based on the Fire Management Voluntary Guidelines

Forest fires impact upon livelihoods, ecosystems and landscapes. The Fire Management Voluntary Guidelines address the cultural, social, environmental and economic dimensions of fire management at all levels. The present study identifies the elements of a coherent national legal framework on forest fires, identifying emerging trends and singling out best practices and innovative legal solutions.

FAO Legislative Study No. 99
FAO, Rome, 2012
ISBN 9789254061517
200 pp., 155 x 230 mm
USD 26.00, Paperback

- **Rights available in all languages except:** *English, Russian*



Pro-poor legal and institutional frameworks for urban and peri-urban agriculture

This legislative study aims to promote an understanding of the key elements and issues to be addressed by a pro-poor legal and institutional framework for the practice of urban and peri-urban agriculture. Several case studies from Argentina, Brazil, Canada, Cuba, Ghana, and Uganda are included. The study will provide guidance to national legislators, ministers and administrations, mayors and other municipal officials, as well as to lawyers involved in drafting legislation and regulations or advising on – or advocating for – better legal frameworks for urban and peri-urban agriculture.

FAO Legislative Study No. 108
FAO, Rome, 2012
ISBN 9789251073100
ISSN 1014-6679
104 pp., 155 x 230 mm
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Plant production and protection



Agricultural Hand Tools in Emergencies

Guidelines for technical and field officer

There remains a widespread need for hand tools by the small-scale farmer. Such tools may appear simple at first glance but understanding the importance of selecting the correct tool and ensuring that it is of adequate quality for the job is fundamental for the success of any recovery programme. This publication is an update of the Guidelines for the Technical Specifications and Procurement of Agricultural Hand Tools, but has been prepared in a more user-friendly style. It is very brief in text but amply illustrated with photographs so that each tool can be clearly identified even by non-technical staff. The commonly used terms for the tools in French and Spanish have also been included.

FAO Plant Production and Protection Papers No. 214
FAO, Rome, 2013
ISBN 9789251074862
76 pp., 176 x 250 mm
Not for sale, Paperback

- **Rights available in all languages except: English**



Key title

Good agricultural practices for greenhouse vegetable crops

Principles for Mediterranean climate areas

This publication capitalizes on the experience of scientists from North Africa and the Near East, in collaboration with experts from around the world, specialized in the different aspects of greenhouse crop production. It provides a comprehensive description and assessment of greenhouse production practices in use in Mediterranean climate areas that have helped diversify vegetable production and increase productivity. The book will also serve as a reference and tool for trainers and growers as well as other actors in the region's greenhouse vegetables value chain.

FAO Plant Production and Protection Paper No. 217
FAO, Rome, 2013
ISBN 9789251076491
636 pp., 176 x 250 mm
USD 90.00, Paperback

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Mechanization for rural development

A review of patterns and progress from around the world

This book presents the current state of mechanization in the developing world. Farm mechanization plays a key role in the implementation of sustainable crop production intensification methodologies. Specific mechanization measures are required to allow crops to be established with minimum soil disturbance, to allow the soil to be protected under organic cover for as long as possible, and to establish crop rotations and associations to feed the soil and to exploit crop nutrients from various soil horizons. The book is a starting point to help the reader understand the complexities and requirements of the task ahead.

Integrated Crop Management
No. 20-2013
FAO, Rome, 2013
ISBN 9789251076057
364 pp., 176 x 250 mm
USD 60.00, Paperback

- **Rights available in all languages except: English**



Pesticide residues in food 2012

Joint FAO/WHO Meeting on Pesticide Residues. Report and Evaluations (Part 1 – Residues)

The FAO Panel of Experts reviewed pesticide use patterns and data on the chemistry and composition of the pesticides. It also examined methods of analysis for pesticide residues and for estimating the maximum residue levels that might result from use of the pesticides according to good agricultural practices. The recommendations of the Joint Meeting, which was held in Rome, Italy, from 11 to 20 September 2012, will be useful to Member governments of the respective agencies and other interested parties.

FAO, Rome, 2013
ISBN 9789251075586
USD 12.00, CD-ROM

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Environmental Management Tool Kit for Obsolete Pesticides – Vol. 1

The approach presented is based on the concept of environmental risk assessment. As far as possible, the methodologies developed use data that can be collected easily in the field to determine the risk posed by obsolete pesticides to both public health and the environment. The tool kit aims to eliminate the subjective component in risk assessment by providing a format that – after its users have been trained – will produce the same results, irrespective of who completes an assessment. The methodologies are therefore designed to be reproducible and robust (able to withstand examination from environmental specialists) and to reflect the real-life situation in the field.

FAO Pesticide Disposal Series No. 12
FAO, Rome, 2012
ISBN 9789251061329
ISSN 1020-4695
48 pp., 210 x 297 mm
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- **Rights available in all languages**
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Environmental Management Tool Kit for Obsolete Pesticides – Vol. 2

The second volume of the tool kit provides a practical set of methodologies to assist countries in the risk-based management of obsolete pesticides. The tools in this volume cover all aspects of the safe storage and transport of pesticides. Application of the tools will have a direct impact on the safeguarding strategy adopted by a country and will make a large contribution to risk reduction and safe implementation.

FAO Pesticide Disposal Series No. 13
FAO, Rome, 2012
ISBN 9789254061333
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52 pp., 210 x 297 mm
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The FAO/IAEA Spreadsheet for Designing and Operation of Insect Mass Rearing Facilities

The sterile insect technique has in many countries become an important control tactic in area-wide integrated pest management programmes against fruit flies of economic importance. This document combines an interactive spread sheet in Excel on a CD Rom and a manual to assist in technical and economic decision-making with the design, costing, construction, equipping and operating of such mass-rearing facilities.

FAO Plant Production and
Protection Papers No. 205
FAO, Rome, 2012
ISBN 9789251073155
ISSN 0259-2517
56 pp., 176 x 250 mm
USD 20.00, Paperback

- *Rights available in all languages except: English*



FAO Statistical Yearbook 2013 – World Food and Agriculture

The FAO Statistical Yearbook presents a visual synthesis of the major trends and factors shaping the global food and agricultural landscape and their interplay with broader environmental, social and economic dimensions. It aims to be a unique reference on the state of world food and agriculture for policy makers, donor agencies, researchers and analysts, as well as the general public.

FAO, Rome, 2013
ISBN 9789251073964
ISSN 2225-7373
304 pp., 210 x 297 mm
USD 125.00, Paperback

- **Rights available in all languages except: English**



FAOSTAT – Forestry Data 1961-2011

This publication provides annual production and trade estimates for numerous forest products, primarily wood products such as roundwood, sawnwood, wood panels, pulp and paper. For many forest products, historical data are available from 1961. These estimates are provided by countries through an annual survey conducted by FAO in partnership with the International Tropical Timber Organization (ITTO), the Statistical Office of the European Communities (Eurostat) and the UN Economic Commission for Europe (UNECE).

FAO statistical databases
Bases de données statistiques de la FAO
Bases de datos estadísticos de la FAO
FAO, Rome, 2013
ISBN 9789251074879
USD 15.00, CD-ROM

- **Rights available in all languages except: English**



Yearbook of Forest Products 2011

The multilingual FAO Yearbook of Forest Products presents statistical data on basic forest products for all countries and territories of the world. It contains series of annual data on the volume of production and the volume and value of trade in forest products. It includes tables showing direction of trade and average unit values of trade for certain products. The statistics are based primarily on data provided to FAO by the countries through questionnaires or official publications. In the absence of official data, FAO makes an estimate based on the best information available.

FAO, Rome, 2013,
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- **Multilingual (English, French, Spanish, Arabic, Chinese, Russian)**



Action Plan of the Global Strategy to Improve Agricultural and Rural Statistics

For Food Security, Sustainable Agriculture and Rural Development

The recent food crisis and ongoing debates on food price volatility, and the impact of climate change on agriculture and food security, clearly highlight the weaknesses in available data. Many countries, especially in the developing world, still lack the capacity to produce and report even the minimal agricultural data needed to monitor national trends or inform international debate. The Global Strategy is a ground-breaking effort to strengthen agricultural statistics and will provide a framework for national and international statistical systems to produce and apply the basic data and information needed in the twenty-first century.

FAO, Rome, 2012
ISBN 9789251073711
116 pp., 210 x 297 mm
USD 35.00, Paperback

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Pulp and paper capacities

Survey 2011-2016

The survey is based on figures received from correspondents in many countries. The presentation features country tables for pulp and paper presented on a full page; grade tables showing volume of production capacity by country, for each product and product aggregate code; and production tables by country.

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