

The World of Livestock 2013

Changing Disease Landscapes

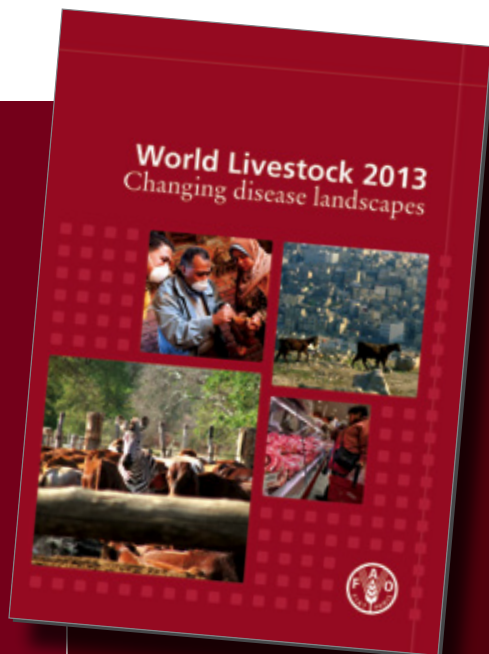
The **World of Livestock 2013: Changing Disease Landscapes** looks at the evidence of changing disease dynamics involving livestock and explores three key areas:

- 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
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130 pp., 176 x 250 mm
USD 45.00, Paperback

- *Rights available in all languages except: English*

Animal production and health



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

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



Best seller

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
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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
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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*