

HIGHLIGHTS



The State of Food and Agriculture 2020 – Overcoming water challenges in agriculture

This year's edition presents new estimates on the pervasiveness of water scarcity in irrigated agriculture and of water shortages in rainfed agriculture, as well as on the number of people affected.

(212 pp.) Forthcoming in Arabic, Chinese, French, Russian and Spanish | In brief available in Arabic, Chinese, English, French, Russian and Spanish | Digital report | Interactive story | E-book: MOBI | E-PUB | Press release

DOI: <https://doi.org/10.4060/cb1447en>



The launch of SOFA 2020 is an opportunity to learn more about FAO's work on ensuring efficient, sustainable and equitable access to water.

Learn more [here](#).

COVID-19 POLICY BRIEFS AND RESOURCES



Cómo proteger los derechos de tenencia de la tierra y los recursos naturales en tiempos de COVID-19, aprendiendo del pasado

(8 pp. Also available in English)



Reconstrucción sostenible: antecedentes y acciones de recuperación pospandemia para Chile

(Santiago, 8 pp.)

DOI: <https://doi.org/10.4060/cb1927es>



Responsible investment and COVID-19: Addressing impacts, risks and responsible business conduct in agricultural value chains

(12 pp.)

DOI: <https://doi.org/10.4060/cb1602en>



Utilisation de l'échelle de mesure de l'insécurité alimentaire vécu pour surveiller l'impact de covid-19

(8 pp. Also available in English and Spanish)

DOI: <https://doi.org/10.4060/ca9205fr>

NATIONAL AGRIFOOD SYSTEMS AND COVID-19 – EFFECTS, POLICY RESPONSES AND LONG-TERM IMPLICATIONS



Liberia

(28 pp.)

DOI: <https://doi.org/10.4060/cb2114en>

Malawi

(16 pp.)

DOI: <https://doi.org/10.4060/cb1601en>

Niger

(24 pp.)

DOI: <https://doi.org/10.4060/cb1595fr>

Sierra Leone

(28 pp.)

DOI: <https://doi.org/10.4060/cb1787en>

Uganda

(12 pp.)

DOI: <https://doi.org/10.4060/cb2112en>

SERIES: THE AGRIFOOD SYSTEM AND THE CHALLENGES OF COVID-19



The role of wholesale markets in the pandemic: challenges and opportunities

(Santiago, 8 pp. Also available in Spanish)

DOI: <https://doi.org/10.4060/cb1592en>



Traditional food supply channels in a pandemic: suggestions for their modernisation

(Santiago, 8 pp. Also available in Spanish)

DOI: <https://doi.org/10.4060/cb1542en>

NEWSLETTERS



FAO and the SDG indicators newsletter
November 2020 – Special issue on water and agriculture



FLRM e-alert
November 2020 – Issue No.6



FPMA bulletin
10 November 2020 – Issue No.9

(8 pp., Arabic. Also available in Chinese, English, French, Russian and Spanish)

BROCHURES



AGROVOC – The linked data concept hub for food and agriculture

(4 pp., Romanian. Also available in Arabic, Afghan, Byelorussian, Catalan, Czech, Chinese, English, French, German, Georgian, Hungarian, Italian, Laothian, Portuguese, Russian, Serbian, Slovak, Spanish, Turkish and Ukrainian)



Biodiversity for food and agriculture – Frequently asked questions

(24 pp.)



Bosques y transparencia en virtud del Acuerdo de París

(2 pp. Also available in English and French)



Climate change and fisheries

(4 pp.)



Deep-sea fisheries in the areas beyond national jurisdiction – Ensuring sustainable use of marine resources and the protection of vulnerable marine ecosystems

(16 pp.)



Empowering youth to engage in responsible investment in agriculture and food systems in Liberia. Why is it important?

(2 pp.)



FISHCAP capacity development for sustainable fisheries and aquaculture management in Central Asia (Phase I – aquaculture and food safety)

(4 pp.)



Five practical actions towards resilient, low-carbon livestock systems – In brief

(16 pp.)



Framework for integrated land use planning – An innovative approach

(16 pp.)



Growing your own food – South Sudan

(8 pp.)



Inorganic fertilizers 1961–2018

(12 pp.) FAOSTAT analytical briefs



International Year of Fruits and Vegetables 2021 – Visual identity guidelines for graphic designers

(32 pp.)



Plant health and capacity development

(2 pp., Chinese. Also available in Arabic, English, French, Russian and Spanish)



Security of ePhytos – ePhyto Factsheet No.5

(2 pp., Chinese. Also available in Arabic, English, French, Russian and Spanish)



The Generic ePhyto National System (GeNS) – ePhyto Factsheet No.3

(2 pp., Chinese. Also Available in Arabic, English, French, Russian and Spanish)



The Philippines – Super Typhoon Goni 2020 – Urgent call for assistance

(2 pp.)



Viet Nam – Flood response overview. 2020–2121

(2 pp.)

APOYO TRANSVERSAL DE LA UE A LA IMPLEMENTACIÓN DEL PAÍS



Angola

(2 pp. Also available in English and French)
Check the full list of country leaflets [here](#).

BOOKS

CHINESE PUBLICATIONS PROGRAMME



Climate change and food security: risks and responses

This report argues that climate change can entail the loss of rural livelihoods and the deterioration of ecosystems. Various adaptation strategies are suggested, including resource conservation and improved genetic resources management.

(Beijing, 140 pp., Chinese. Also available in [English](#)) FAO & CAP



Climate change implications for fisheries and aquaculture – Summary of the findings of the Intergovernmental Panel on Climate Change Fifth Assessment report

This report discusses the key chemical and physical changes affecting global marine and freshwater systems and the implications for fisheries and aquaculture production systems, such as biodiversity loss and reduction in global shellfish production.

(Beijing, 72 pp., Chinese. Also available in [English](#)) FAO & CAP



Coping with climate change – The roles of genetic resources for food and agriculture

This publication comprises thematic studies on the interactions between climate change and plant, animal, forest, aquatic, invertebrate and microorganism genetic resources. It emphasizes the role of the ecosystem in addressing climate change and calls for coordinated policy responses.

(Beijing, 124 pp., Chinese. Also available in [English](#)) FAO & CAP



Enhancing the potential of family farming for poverty reduction and food security through gender-sensitive rural advisory services

Women farmers are burdened with challenges deriving from intra-household arrangements and traditional gender norms. This paper suggests leveraging gender-sensitive rural advisory services to assist women in learning agricultural techniques and gaining production resources.

(Beijing, 72 pp., Chinese. Also available in [English](#)) FAO & CAP



Guideline for packing, shipping, holding and release of sterile flies in area-wide fruit fly control programmes

The Sterile Insect Technique (SIT) is a biological-based method of area-wide pest management. These guidelines explain the post-production processes of SIT, from packing after pupal irradiation to field release of sterile flies.

(Beijing, 156 pp., Chinese. Also available in [English](#)) FAO & CAP



Guidelines on the collection of information on food processing through food consumption surveys

These guidelines can be used in the implementation phase of food consumption surveys to incorporate information on food processing. Various survey methods, such as food balance sheets and qualitative surveys, are compared.

(Beijing, 44 pp., Chinese. Also available in [English](#)) FAO & CAP



Nutrition and social protection

Social protection and nutrition are intrinsically linked by the fact that poverty is an important root cause of malnutrition. This paper highlights the principles in making social protection interventions nutrition-sensitive and identifies concrete actions, such as facilitating nutrition education.

(Beijing, 44 pp., Chinese. Also available in [English](#)) FAO & CAP



Risk based imported food control

This manual identifies approaches for managing risks of imported food, from pre-border to post-border control, and illustrates how Codex guidelines can be implemented at a country level, such as using internationally agreed-upon definitions within national legal and institutional systems.

(Beijing, 128 pp., Chinese. Also available in [English](#), [French](#) and [Spanish](#)) Food safety and quality series



Uses of geothermal energy in food and agriculture – Opportunities for developing countries

From drying fruit in Mexico to greenhouse heating in Greece, this publication features global examples of successful applications of geothermal energy in the food and agriculture sector, which are important in understanding possible future applications.

(Beijing, 56 pp., Chinese. Also available in [English](#)) FAO & CAP



Yield gap analysis of field crops. Methods and case studies

The publication discusses how to measure, diagnose the root causes, and close yield and productivity gaps in cropping systems. It also suggests incentive policies for the adoption of gap-closing technologies.

(Beijing, 96 pp., Chinese. Also available in [English](#)) FAO water reports – FAO & CAP

AGRICULTURE



Degradación y gestión sostenible del campo natural en el Uruguay – Resultados de una evaluación participativa en el norte del país

An assessment on the state of grasslands in Uruguay with a field validation conducted in the pilot area, revealing the high resilience of grasslands. The heterogeneous landscapes and socioeconomic context of the pilot zone are presented, including living conditions and agricultural activities.

(Montevideo, 152 pp.) FAO, CAF, MGAP & MVOTMA

DOI: <https://doi.org/10.4060/cb1032es>



Guidebook for township land use planning: Central Dry Zone – Sustainable cropland and forest management in priority agro-systems of Myanmar

This guidebook outlines concrete actions for land use planning, from the initial preparation to the final monitoring and evaluation, with a focus on strategic natural resources management and the involvement of rural communities and land resource users.

(Naypyidaw, 52 pp.) FAO, MONREC, MOALI & GEF

DOI: <https://doi.org/10.4060/cb1233en>



Oportunidades incipientes para aplicar la tecnología de cadenas de bloques en la industria agroalimentaria

This paper explores the potential benefits of Distributed Ledger Technologies (DLTs) in improving data transparency and efficiency, while highlighting existing technical and institutional constraints for the creation of data protection standards.

(48 pp. Also available in [Arabic](#), [English](#) and [French](#)) FAO & ICTSD

ANIMAL PRODUCTION AND HEALTH



Elephant care manual for mahouts and camp managers

A manual to help mahouts and camp managers quickly diagnose problems and better communicate symptoms to veterinarians. It outlines legal obligations and appropriate elephant care, including shelter, food, life cycle events and disease prevention.

(Bangkok, 212 pp., Cambodian. Also available in [English](#)) RAP publication – FAO & FIO



Instrumentos internacionales relativos al uso de antimicrobianos en el sector de la salud humana y los sectores animal y vegetal

This publication reviews international instruments that provide standards on the use of antimicrobials and illustrates monitoring methodologies. It includes a country self-assessment survey on antimicrobial resistance conducted by FAO, OIE and WHO.

(60 pp. Also available in [English](#) and [French](#)) FAO, OIE & OMS



Technical brief on water, sanitation, hygiene and wastewater management to prevent infections and reduce the spread of antimicrobial resistance

This brief covers Water Sanitation and Hygiene (WASH) and wastewater management in households, communities, healthcare facilities, animal and plant production, and antimicrobial manufacturing, including waste management for unused medicines.

(32 pp., Russian. Also available in [English](#), [French](#), [Portuguese](#) and [Spanish](#)) FAO, WHO & OIE

ECONOMIC AND SOCIAL DEVELOPMENT



Coffee value chain analysis – Opportunities for youth employment in Uganda

Most young people in Uganda involved in the coffee value chain are casual laborers with low pay. To enhance their employment, the study suggests developing by-laws to enable access to land and supporting small businesses through revolving funds.

(108 pp.)

DOI: <https://doi.org/10.4060/cb0413en>



Role of income inequality in shaping outcomes on individual food insecurity – Background paper for The State of Food Security and Nutrition in the World 2019 – FAO agricultural development economics working paper 19–06

Based on the 2014 Gallup World Poll dataset and a three-level linear probability model, this paper assesses the macro-economic effects of economic growth and income inequality on individual food insecurity.

(44 pp.) FAO agricultural development economics working papers

DOI: <https://doi.org/10.4060/cb2036en>

FISHERIES AND AQUACULTURE



Diagnostic on the effectiveness of national fishery and aquaculture policies and strategies for food and nutrition security in West Africa – ECOWAS Member States and Mauritania

The diagnostic study shows that Mauritania faces problems of insufficient national funding to implement existing fishery and aquaculture policies and strategies. It recommends establishing a favourable environment for private sector investment to improve the attractiveness of the sector.

(Abuja, 76 pp. Also available in [French](#)) ECOWAS & FAO

DOI: <https://doi.org/10.4060/cb2033en>



Global trends in status and management of assessed stocks: achieving sustainable fisheries through effective management

This report summarizes primary data of marine fish and invertebrate populations gathered through formal stock assessments and suggests devoting more resources to assess stocks in data-limited and capacity-poor regions, such as South Asia, to improve global marine conservation.

(152 pp.) FAO fisheries and aquaculture technical papers

DOI: <https://doi.org/10.4060/cb1800en>



Increasing the benefits and sustainability of irrigation through integration of fisheries – A guide for water planners, managers and engineers

This guide focuses on how to sustainably optimize and broaden the range of benefits from irrigation development through engaging with fisheries stakeholders. It also considers possible trade-offs between irrigation and fisheries, such as reservoir management and water distribution.

(92 pp.)

DOI: <https://doi.org/10.4060/cb2025en>



Interregional workshop on the management of shared stocks and implementation of the ecosystem approach to fisheries within the framework of the EAF-Nansen Programme, Dakar, Senegal 24–26 April 2018

The workshop examined the current situation of shared stock and identified priorities for its management. It underlined that the northern zone of the Eastern Central Atlantic should explore small pelagics and sardinella, while the southern zone should focus on hake and horse mackerel.

(92 pp. Bilingual in English and French) EAF-Nansen programme

DOI: <https://doi.org/10.4060/cb1119b>



Size-based assessment of data-limited inland fish stocks – Review and applications

This publication reviews the application of empirical indicators and simple size-based models used in marine fisheries while presenting case studies of important fisheries in the Amazon River (Brazil), Tonlé Sap River (Cambodia), Paraná River (Argentina) and Lago Bayano (Panama).

(76 pp.) FAO fisheries and aquaculture circular

DOI: <https://doi.org/10.4060/cb1594en>



Informe de la segunda reunión del Grupo de trabajo técnico de composición abierta sobre intercambio de información del Acuerdo sobre medidas del Estado rector del puerto

The meeting discussed the applications of the global information exchange system and the necessity for all parties to include their information in the system. It reviewed a draft questionnaire for assessing the effectiveness of the Agreement on Port State Measures.

(52 pp. Also available in Arabic and English) FAO fisheries and aquaculture report

DOI: <https://doi.org/10.4060/cb1544es>



Organic and inorganic contaminants in marine sediments off northern Mozambique – Results from the R/V Dr Fridtjof Nansen environmental survey

The report presents the measurements of grain size, total organic carbon, hydrocarbons and metals in surface sediments collected from 40 locations off the coast of northern Mozambique with the conclusion that no significant oil-related pollution was detected.

(80 pp.) EAF-Nansen programme

DOI: <https://doi.org/10.4060/ca9777en>



Techno-economic performance review of selected fishing fleets in Asia

This publication presents country studies of fishing fleets in Bangladesh, China, India, Indonesia, Japan, and the Republic of Korea. The findings show that investments in fishing vessels and fishing operations of these major Asian fishing fleets are generally profitable.

(128 pp.) FAO fisheries and aquaculture technical papers

DOI: <https://doi.org/10.4060/cb1577en>

FOOD SAFETY



Parasites in foods: an invisible threat – Food safety technical toolkit for Asia and the Pacific

This report focuses on the major foodborne parasites transmitted by pork, freshwater fish and freshwater crustaceans. It advocates that authorities take action to prevent human exposure to these diseases, particularly through awareness campaigns and stakeholder engagement.

(Bangkok, 48 pp.)

FORESTRY



Land use/land cover and forest cover mapping in Nigeria

This study adopts a new classification scheme, consisting of 12 classes to analyse land use and land cover trends in Nigeria. The results show that forest land use decreased from 2006 to 2016, while non-forest land use greatly increased.

(Abuja, 48 pp.)

DOI: <https://doi.org/10.4060/cb1327en>



Nigeria – National forest (carbon) inventory

This inventory assesses the forest carbon stock in different ecological zones in Nigeria through a stratified random cluster sampling, discovering that mountain forest ecosystems contain the highest biomass, carbon stocks and carbon dioxide, while lowland rainforest is the most diverse.

(Abuja, 56 pp.)

DOI: <https://doi.org/10.4060/cb1328en>

RECENT RELEASES FROM OTHER UN AGENCIES AND IGOs

WORLD WILDLIFE FUND – WWF



Bending the curve: The restorative power of planet-based diets

This report explores how a global shift toward planet-based diets, high in human health benefits and low in environmental impacts, can restore nature and improve health.

(64 pp.)