

Highlights of FAO's upcoming work on biodiversity

Biodiversity, Agriculture and Food

FAO's work for sustainable food production, ecosystem health and resilient livelihoods

Side event OEWG-2 Post-2020, Monday, 24 February 2020



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IFAD
Investing in rural people

United Nations
Decade of
**FAMILY
FARMING**
2019-2028



UNITED NATIONS DECADE OF
FAMILY FARMING 2019-2028
Global Action Plan



**SWM SUSTAINABLE
WILDLIFE
MANAGEMENT
PROGRAMME**

Between 2018 and 2024, the Sustainable Wildlife Management Programme will improve the conservation and sustainable use of wildlife in forest, savannah and wetland ecosystems. Field projects are being implemented in 13 African, Caribbean and Pacific countries.

The aim is to:

- improve how wildlife hunting is regulated
- increase the supply of sustainably produced meat products and farmed fish
- strengthen the management capacities of indigenous and rural communities
- reduce demand for wild meat, particularly in towns and cities



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EU-ACP MEAs Programme

2019 -2023

A joint **FAO-UN Environment** initiative on CAPACITY BUILDING RELATED TO MULTILATERAL ENVIRONMENTAL AGREEMENTS IN AFRICA, CARIBBEAN, AND THE PACIFIC COUNTRIES (ACP)

ACP MEAs 3 will enhance the **mainstreaming of biodiversity and of the sound management of pesticides in agriculture** by creating a more enabling policy environment, strengthening policy implementation and facilitating changes in agricultural practices.

Contact:



PROVIDED WITH SUPPORT FROM THE EUROPEAN UNION

Phase 3

*strengthening
environmental
governance in ACP
countries.*





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International
Plant Protection
Convention



INTERNATIONAL YEAR OF
PLANT HEALTH

2020

**PROTECTING PLANTS,
PROTECTING LIFE**

www.fao.org/plant-health-2020
 IYPH@fao.org

International Symposium on Fisheries Sustainability:

Strengthening the Policy-Science Nexus

Rome, 18-21 November 2019



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In this International Symposium FAO identified pathways to strengthen the science and policy interplay in fisheries production, management and trade, based on solid sustainability principles for improved global outcomes on the ground. It outlined how the sector can respond to the complex and rapidly changing challenges facing society, and support the planning process of the **UN Decade of Ocean Science for Sustainable Development (2021-2030)**.



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Decade on Ecosystem Restoration

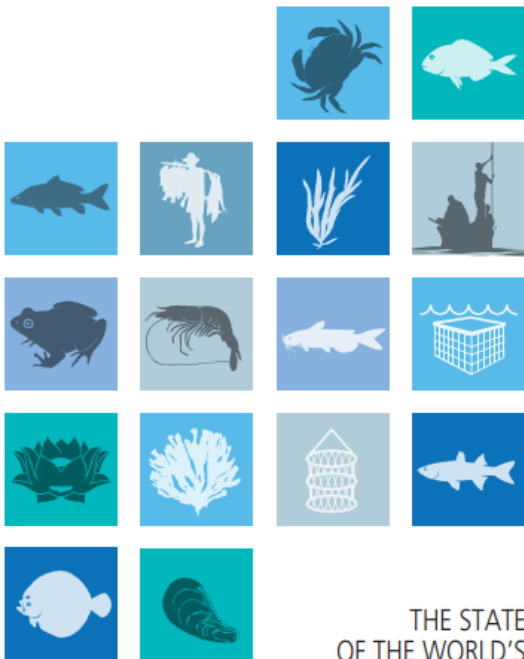
2021-2030

Decade on Ecosystem Restoration

There has never been a more urgent need to restore damaged ecosystems than now

© CIFOR

Consult the draft strategy @ decadeonrestoration.org and help us improve it



THE STATE
OF THE WORLD'S
**AQUATIC GENETIC RESOURCES
FOR FOOD AND AGRICULTURE**

FAO published the SoW-AqGR report in August 2019

All farmed species still occur in the wild, with little information on AqGR below the levels of species.

Aquaculture plays an important role in conservation of AqGR for food and agriculture.

SDG 2.5 has two indicators related to maintenance of genetic diversity but aquatic resources are not well assessed in the progress on these indicators.

In response to the SoW-AqGR FAO is developing a Global Plan of Action (GPA) for AqGR

FAO is also developing an information system on AqGR focused on farmed types

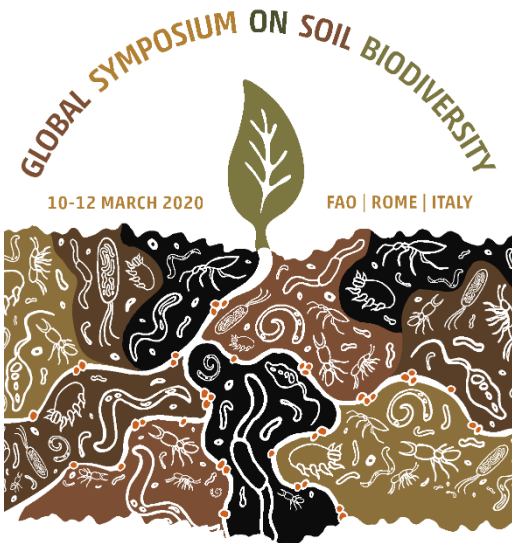
This information system could be used to develop indicators against future SDGs, Post 2020 and the GPA but consistency and complementarity are important

KEEP SOIL ALIVE

PROTECT SOIL BIODIVERSITY



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itps
International Technical
Group of Experts



Convention on
Biological Diversity



GLOBAL
SOIL BIODIVERSITY
INITIATIVE

COP14 tasked the Secretariat and FAO/GSP to:

- Prepare a **Global Assessment of Soil Biodiversity** report;
- Review the **International Initiative for the conservation and sustainable management of soil biodiversity** and submit a reviewed **Plan of Action**.

Symposium as a response and venue for preparing all these.



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GLOBAL ASSESSMENT ON SOIL
BIODIVERSITY



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COMMISSION ON
GENETIC RESOURCES
FOR FOOD AND
AGRICULTURE



Second Meeting of the Group of National Focal Points for Biodiversity for Food and Agriculture

Tuesday 21 – Friday 23 April 2020



To review and revise the needs and possible actions for consideration by the Commission at its 18th Session, with the motivation to have the document adopted as a global plan of action by the FAO Conference at its 42 Session





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21 March
International Day of Forests

21 MARCH
INTERNATIONAL DAY OF FORESTS 2020

FORESTS AND BIODIVERSITY
Too precious to lose





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Toward Sustainable Crop Pollination Services: Measures at Field, Farm and Landscape Scales

Release on World Bee Day May 20

This publication outlines very tangible practices that have been identified via farmer, natural historian, and scientific knowledge that can support crop biotic pollination services

SOFO 2020: Forests, biodiversity and people

Launch at SBSTTA 24, 18-23 May 2020



The State of the World's Forests (SOFO) reports on the status of forests, recent major policy and institutional developments and key issues concerning the forest sector. It makes current, reliable and policy-relevant information widely available to facilitate informed discussion and decision-making with regard to the world's forests.

SOFO 2020 examines the contributions of forests, and of the people who use and manage them, to the conservation and sustainable use of biodiversity.

It was prepared in collaboration with UNEP and its World Conservation Monitoring Centre.



Monitoring System for the Diversity of Domesticated Honeybees for Food and Agriculture

First draft to be presented at the
Global National Coordinators' Workshop

Monday 29 – Tuesday 30 June 2020

The scope of the **Domestic Animal Diversity Information System DAD-IS** (<http://www.fao.org/dad-is/en/>) will be broadened allowing countries to enter data on bees managed for food and agriculture, analyse the diversity of their bee populations, monitor trends and make informed decisions.



IMPLEMENTING THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES



2020 UN Ocean Conference
Lisbon, 2-6 June 2020

*Scaling up Ocean Action
Stocktaking, Partnerships &
Solutions*

2020 UN OCEAN CONFERENCE

Lisbon, 2-6 June



This conference is focused on **SDG 14 (Life Below Water)**, one of the first milestones of UN Secretary-General Antonio Guterres's newly launched **Decade of Action for the Sustainable Development Goals**. The Conference will propel much needed science-based innovative solutions aimed at starting a **new chapter of global ocean action**, many of which focus on biodiversity conservation



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LEAP guidelines for assessment

Biodiversity and the livestock sector

How to measure the impact of livestock on wild biodiversity? The document provides guidelines for small-scale to large-scale assessments and to consider the wide range of effects that livestock production have, from benefits to negative impacts on wild species and their habitats



Publication in summer 2020



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FOR FOOD AND
AGRICULTURE



The International Treaty
ON PLANT GENETIC RESOURCES
FOR FOOD AND AGRICULTURE



First International Multi-stakeholder Symposium on Plant Genetic Resources for Food and Agriculture:

Technical Consultation on on-farm management and *in situ* conservation of PGRFA

15 –16 June 2020

Co-organized by FAO, the International Treaty on Plant Genetic Resources for Food and Agriculture and the Global Crop Diversity Trust, the symposium will:

- highlight the current state of scientific and technological knowledge and the enabling environment for *in situ* conservation and on-farm management of PGRFA;
- provide a forum for the exchange of information and experiences among experts and other stakeholders.





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GLOBAL FOREST RESOURCES ASSESSMENT (FRA) 2020

FRA 2020 reporting started at a global technical meeting of FRA National Correspondents from more than 100 countries and territories, held on 5-9 March 2018 in Toluca, Mexico. A new innovative online platform has been developed to make reporting both easier and more transparent and FRA National Correspondents were trained at the Toluca technical meeting in how to use the platform. The meeting has been organized in collaboration with the Comisión Nacional Forestal (CONAFOR) of Mexico with financial support from the European Union and Finland. The proceedings of the meeting are now available [here](#).

Why do we need FRA?

FAO Global Forest Resources Assessment (FRA) provides essential information for understanding the extent of forest resources, their condition, management and uses.

Forests are more than trees and fundamental for food security and improved livelihoods. They contribute to resilience of communities by regulating water flows, providing food, wood energy, shelter, fodder and fibre, generate income and employment as well as harbor biodiversity. Furthermore, forests support sustainable agriculture and human well-being by stabilizing soils and climate.

**Towards improved reporting on
primary forests - FSN online
consultation, ongoing
Global Forest Observations
Initiative 10 - 13 March 2020
FRA launch during COFO 25, 22-26
June**



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2020 edition of the FAO digital SDG Progress Report, to be released in June ahead of the High Level Political Forum (7-16 July 2020)

Will provide a detailed update on the status and global/regional trends for the 21+5 SDG indicators for which FAO is custodian or partner, including those most relevant to biodiversity conservation: 2.4.1, 2.5.1, 2.5.2, 12.3.1, 14.4.1, 14.6.1, 14.7.1, 14.b.1, 14.c.1, 15.1.1, 15.2.1, 15.3.1, 15.4.2, 15.6.1

A special section of the report will focus on capacity development initiatives in support of SDG monitoring by countries

<http://www.fao.org/sdg-progress-report/en/>



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Every Two Years
Next Edition Ready for
COFI 13-17 July 2020

THE STATE OF WORLD FISHERIES AND AQUACULTURE



The State of World Fisheries and Aquaculture presents FAO's official world fishery and aquaculture information (Capture fisheries and Aquaculture production; the status of fishery resources; Fishers and fish farmers; the fishing fleet; Fish utilization and processing; Fish trade and commodities; Fish consumption). Biodiversity information presented within the SOFIA report links to a Biodiversity Working Paper presented and discussed at the Committee on Fisheries (COFI), established by the FAO Conference in 1965.

COFI has instructed FAO's Fisheries and Aquaculture Division to develop a 'Biodiversity Action Plan'.



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Tool for Agroecology Performance Evaluation

PILOT PHASE

The Tool for Agroecology Performance Evaluation (TAPE) is being piloted in order to create evidence on the multi-dimensional performance of agroecology. The tool has strong linkages to agrobiodiversity and genetic resources.



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One Health, pandemic preparedness and biodiversity

**2nd Meeting of the FAO Multi-Stakeholder Platform
for Vaccine Security (October 2020)**

Discussion about the **Nagoya Protocol** and its application to vaccines



Protecting people, animals, and the environment every day



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SUSTAINABLE
DEVELOPMENT
GOALS



26-30 October 2020
Shanghai, China



FAO and **NACA** with the **Chinese Ministry of Agriculture and Rural Affairs** are leading a conference that will **review status, trends and emerging issues in aquaculture**. It will: identify opportunities and challenges in aquaculture and its contributions to sustainable development; evaluate the progress of aquaculture development in light of previously recommended strategies and policies, including **mainstreaming of biodiversity**, at regional and global level.



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LEAP guidelines for assessment

Measuring and modelling soil carbon stocks
and stock changes in livestock production systems

The document will be used in pilot countries (Kenya, Costa Rica, Indonesia) and applied in the context of GEF projects in Latin America to monitor the **effect of sustainable grazing practices on soil organic matter for carbon sequestration and plant diversity**



Application and road testing throughout 2020