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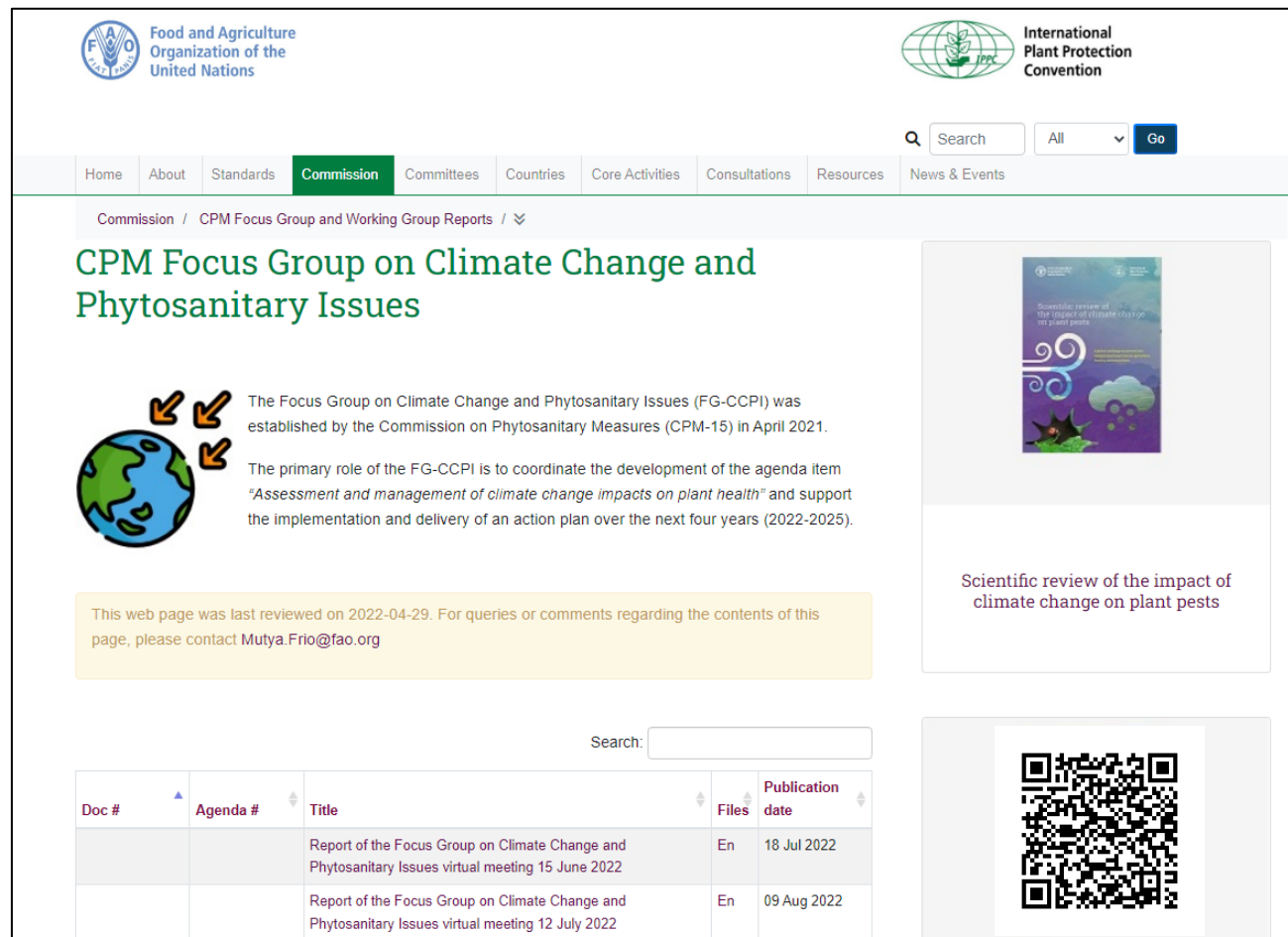
A technical resource to support the assessment and management of climate change impacts on plant pests

Prepared by the IPPC Focus Group on Climate Change and Phytosanitary Issues for the Caribbean Week of Agriculture, 7-11 October 2024

Climate-change impacts on plant pests: a technical resource to support NPPOs and RPPOs

IPPC Focus Group on Climate Change and Phytosanitary Issues


- ✓ Climate change is one of the 8 Development Agenda Items of the IPPC strategic framework for 2020-2030
- ✓ The Focus Group on Climate Change and Phytosanitary Issues (FG-CCPI) was created in 2021 to address this priority from 2022 to 2026. Seven FAO regions are represented



The screenshot shows the website for the CPM Focus Group on Climate Change and Phytosanitary Issues. The page includes the FAO and IPPC logos, a search bar, and a navigation menu. The main content area features a title, a globe icon with arrows, and text describing the group's establishment and role. A yellow box contains a note about the page's last review date and contact information. A table lists two reports, and a QR code is visible in the bottom right corner.

Commission / CPM Focus Group and Working Group Reports /

CPM Focus Group on Climate Change and Phytosanitary Issues

 The Focus Group on Climate Change and Phytosanitary Issues (FG-CCPI) was established by the Commission on Phytosanitary Measures (CPM-15) in April 2021.


The primary role of the FG-CCPI is to coordinate the development of the agenda item "Assessment and management of climate change impacts on plant health" and support the implementation and delivery of an action plan over the next four years (2022-2025).

This web page was last reviewed on 2022-04-29. For queries or comments regarding the contents of this page, please contact Mutya.Frio@fao.org

Search:

Doc #	Agenda #	Title	Files	Publication date
		Report of the Focus Group on Climate Change and Phytosanitary Issues virtual meeting 15 June 2022	En	18 Jul 2022
		Report of the Focus Group on Climate Change and Phytosanitary Issues virtual meeting 12 July 2022	En	09 Aug 2022

Scientific review of the impact of climate change on plant pests

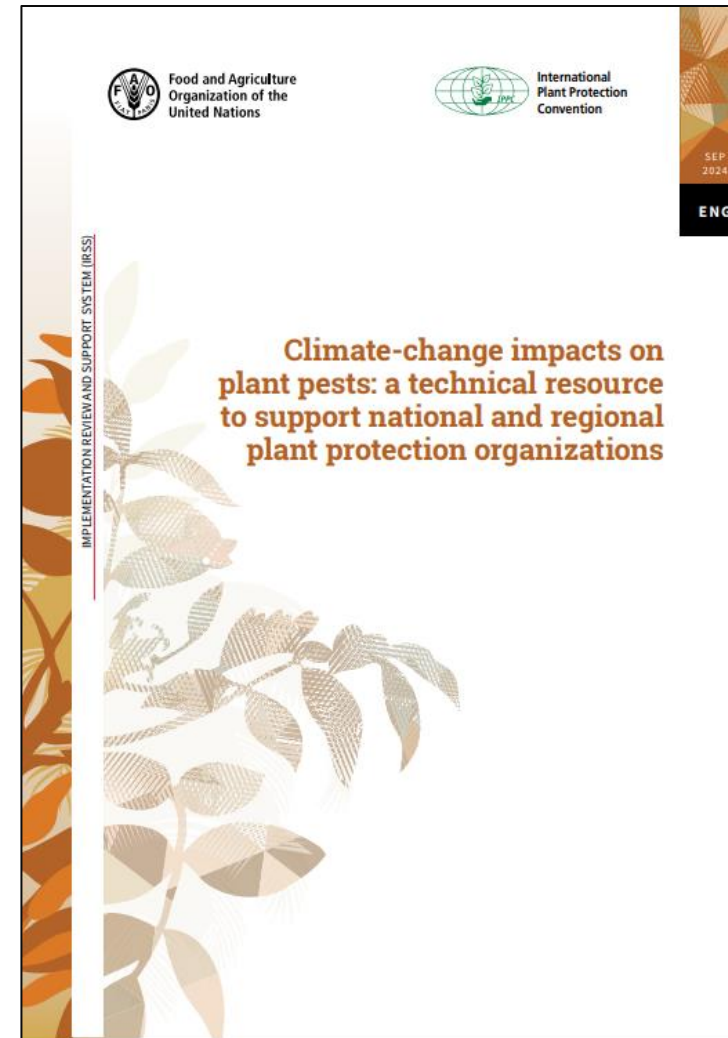


Climate-change impacts on plant pests: a technical resource to support NPPOs and RPPOs

The Technical Resource

Sections:

- ✓ Introduction
- ✓ Climate change impacts on plants and plant pests
- ✓ Assessment of climate change impacts on plant health
- ✓ Management of climate change impacts on plant health
- ✓ Case Studies

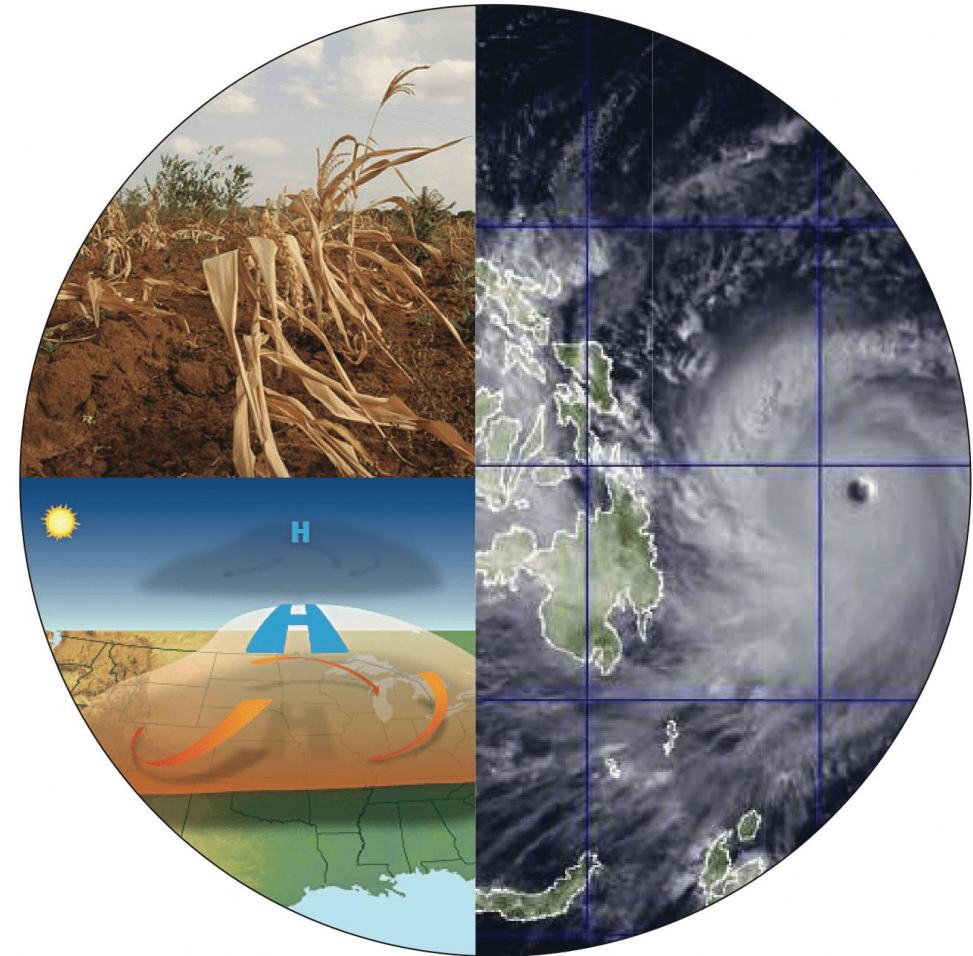


Access the PDF
and digital
report here:



Section 1. Introduction

- ✓ Objective
- ✓ Overview of climate effects on pest risk
- ✓ Recent and projected changes in climate



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Section 2. Climate-change impacts on plants and plant pests

- ✓ Changes in pest distribution
- ✓ Changes in pest phenology
- ✓ Effects on agriculture
- ✓ Effects on forests and the environment

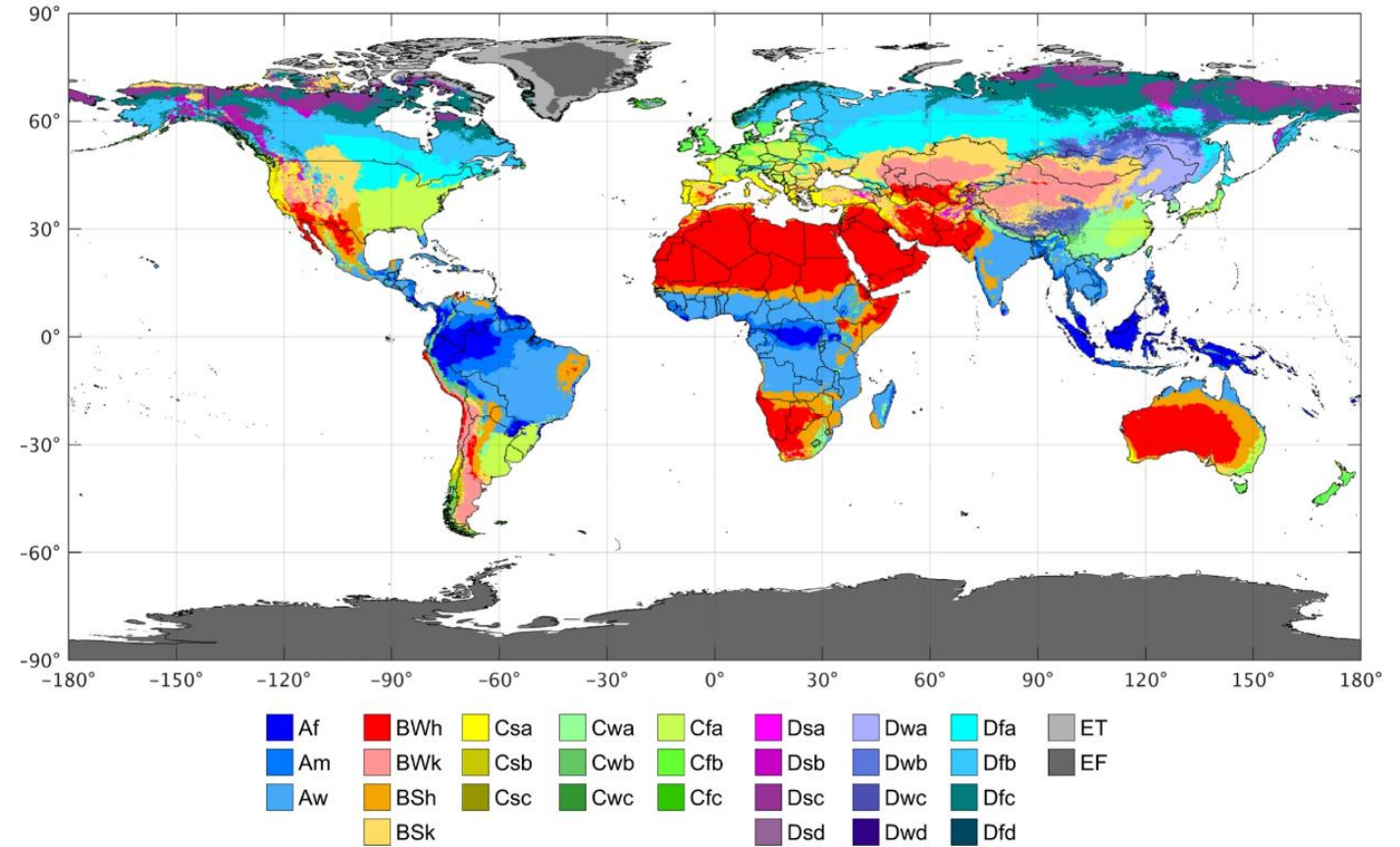
Scan the QR
code to view the
digital report



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Section 3. Assessment of climate-change impacts on plant health

- ✓ Climate and pest forecast modeling
- ✓ Horizon scanning
- ✓ Pest risk analysis
- ✓ Pest reporting
- ✓ Pest risk pathways



Future Köppen-Geiger climate classification map (2071 -2100) under RCP 8.5 (Beck et al., 2018)

Section 4. Management of climate-change impacts on plant health

- ✓ Pest surveillance and monitoring
- ✓ Response plans
- ✓ International cooperation and capacity building
- ✓ Communication

IPPC Pest Outbreak Alert and Response System (Expected by 2030)



4 June 2020, Lokichar, Kenya - Hopper bands of desert locust infesting a grazing area next to Lokichar, Turkana County, Kenya. An increasing number of second-generation immature swarms continue to form in northwest Kenya. © FAO/Luis Tato

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Potential uses of the technical resource

- ✓ Adding climate change into pest risk assessments
- ✓ Pest forecasts
- ✓ Raising awareness
- ✓ Fostering collaboration



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Summary and Conclusions

- ✓ Climate change impacts on plant health will increase
- ✓ This technical resource can help RPPOs and NPPOs address climate change impacts
- ✓ International collaboration is important
- ✓ More work needs to be done!



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Thank you



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