



Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention

REPORT

Focus Group on Climate Change and Phytosanitary Issues

**Virtual Meeting
9 July 2024**

IPPC Secretariat

Required citation:

IPPC Secretariat. 2024. *Report of the meeting of the Focus Group on Climate Change and Phytosanitary Issues, 15 February 2024*. Rome. Published by FAO on behalf of the Secretariat of the International Plant Protection Convention (IPPC).

The designations employed and the presentation of material in this information product do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO) concerning the legal or development status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of specific companies or products of manufacturers, whether or not these have been patented, does not imply that these have been endorsed or recommended by FAO in preference to others of a similar nature that are not mentioned.

The views expressed in this information product are those of the author(s) and do not necessarily reflect the views or policies of FAO.

© FAO, 2024



Some rights reserved. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 IGO licence (CC BY-NC-SA 3.0 IGO; <https://creativecommons.org/licenses/by-nc-sa/3.0/igo/legalcode>).

Under the terms of this licence, this work may be copied, redistributed and adapted for non-commercial purposes, provided that the work is appropriately cited. In any use of this work, there should be no suggestion that FAO endorses any specific organization, products or services. The use of the FAO logo is not permitted. If the work is adapted, then it must be licensed under the same or equivalent Creative Commons licence. If a translation of this work is created, it must include the following disclaimer along with the required citation: "This translation was not created by the Food and Agriculture Organization of the United Nations (FAO). FAO is not responsible for the content or accuracy of this translation. The original English edition shall be the authoritative edition."

Disputes arising under the licence that cannot be settled amicably will be resolved by mediation and arbitration as described in Article 8 of the licence except as otherwise provided herein. The applicable mediation rules will be the mediation rules of the World Intellectual Property Organization <http://www.wipo.int/amc/en/mediation/rules> and any arbitration will be conducted in accordance with the Arbitration Rules of the United Nations Commission on International Trade Law (UNCITRAL).

Third-party materials. Users wishing to reuse material from this work that is attributed to a third party, such as tables, figures or images, are responsible for determining whether permission is needed for that reuse and for obtaining permission from the copyright holder. The risk of claims resulting from infringement of any third-party-owned component in the work rests solely with the user.

Sales, rights and licensing. FAO information products are available on the FAO website (<http://www.fao.org/publications>) and can be purchased through publications-sales@fao.org. Requests for commercial use should be submitted via: www.fao.org/contact-us/licence-request. Queries regarding rights and licensing should be submitted to: copyright@fao.org.

CONTENTS

- 1. Opening of the meeting 4
 - 1.1 Welcome by the IPPC Secretariat..... 4
- 2. Meeting arrangements 4
 - 2.1 Election of the rapporteur..... 4
 - 2.2 Adoption of the agenda..... 4
- 3. Administrative matters 4
- 4. Updates from members of the focus group 4
- 5. Updates on the designed Technical Resource 5
- 6. Finalizing agenda on the planned webinars and other preparations..... 5
- 7. Discussion on the agenda of the face-to-face meeting in Brazil 8
- 8. Priorities for future work of the FG-CCPI 8
- 9. Any other business 9
- 10. Date and arrangement of the next meeting..... 9
- 11. Close of the meeting..... 10
- Appendix 1: Agenda 11
- Appendix 2: Participants List..... 12
- Appendix 3: Documents List 14

1. Opening of the meeting

1.1 Welcome by the IPPC Secretariat

- [1] The virtual meeting of the Commission on Phytosanitary Measures (CPM) Focus Group on Climate Change and Phytosanitary Issues (FG-CCPI) was convened by the IPPC Secretariat. The chairperson warmly welcomed all participants, including the two new focus group members, Bhakta Raj PALIKHE (Nepal) and Xiaoxiao WANG (China; FAO OCB). All participants introduced themselves in turn.

2. Meeting arrangements

2.1 Election of the rapporteur

- [2] The focus group selected Bastian HESS (Germany) as rapporteur of the meeting.

2.2 Adoption of the agenda

- [3] The focus group adopted the agenda (Appendix 1).

3. Administrative matters

- [4] The focus group noted the absence of Samuel BISHOP (CPM Bureau “champion” for the focus group), Victoria LAMB (New Zealand), Erika MANGILI ANDRÉ (Brazil) and Ngatoko NGATOKO (Cook Islands). The participant list is presented as Appendix 2 to this report.

- [5] The IPPC Secretariat (hereafter referred to as the “secretariat”) suggested changing the meeting time to accommodate the new focus group member from Nepal. The chairperson noted that no time would be ideal for all participants, given the different time zones involved, and that the focus group may need to envisage alternate meeting times going forward.

- [6] The focus group:

- (1) *agreed* that the next meeting would be held at 18.30–20.30 CET (UTC +1).

4. Updates from members of the focus group

- [7] Members of the focus group gave regional updates of relevance to the focus group.

- [8] **North America.** The focus group member from North America updated the focus group on progress with their PowerPoint presentation for the global webinar series in September and offered to upload it to the webinar folder on SharePoint for the rest of the group to comment on. The chairperson agreed to this.

- [9] Another focus group member from the region reported that Environment and Climate Change Canada released Canada’s 2030 Nature Strategy, which reaffirmed Canada’s commitment to the Kunming-Montreal Global Biodiversity Framework and its 23 targets, one of which concerns climate change and biodiversity specifically,¹ and the Nature Accountability Bill, which the Parliament adopted a month ago.

- [10] **Europe.** A focus group member based in Europe reported on a new monitoring information tool for the brown marmorated stink bug (*Halyomorpha halys*) in Northern Italy, and shared a link to a platform with real-time weekly updates on monitoring what is a climate-sensitive species.² The member also mentioned a paper about the global impacts of heat and water stress on food security.³

¹ <https://www.canada.ca/en/environment-climate-change/services/biodiversity/2030-nature-strategy.html>

² <https://big.csr.unibo.it/projects/stink-bug/monitoring/>

³ <https://www.nature.com/articles/s41598-024-65274-z?fromPaywallRec=false>

- [11] Another group member from Europe reported on working closely with Met Office in the United Kingdom of Great Britain and Northern Ireland, including on developing an application similar to phenology models used in the United States of America, to predict when emergency flight periods of different pests might occur. The group member noted, however, that it would take a long time to develop such an application.
- [12] **Africa.** The focus group member from Africa reported on organizing a workshop on horizon scanning tools, which took place on 17–20 June in Ghana as a follow-up to a workshop on pest risk analysis (PRA) in November 2023, and was designed to support selected central and west African countries in implementing preventative measures against invasive pest species in their respective countries.
- [13] **Asia.** The focus group member from the region informed the group about several climate-change-related projects implemented by Nepal’s Ministry of Forests and Environment, and pointed out that the aim of these initiatives was to slow down the rate and impact of climate change by adopting nature-based solutions, rather than stopping it. The focus group member stressed the need for an information-gathering mechanism to assess how different countries in the region are adapting to climate change, and asked whether the IPPC Secretariat could facilitate this. The secretariat said that it would help to have a better understanding, first, as to what kind of information was required.

5. Updates on the designed Technical Resource

- [14] The secretariat updated focus group members about progress on the technical resource publication. After some minor revisions had been made, the final Word document was sent off to the designer for the design and layout stage. The secretariat explained that the template used and the orange colour featured prominently in the design were common to technical studies published by the IPPC Secretariat, which opted for a standard look as part of its effort to build an IPPC brand.
- [15] The secretariat invited focus group members to go over the designed pdf document available on SharePoint and comment on it, if need be. The secretariat informed participants that the proofread document, taking the comments into account, will go through FAO’s Publications Workflow System (PWS) and eventually be published online. At the same time, another web designer will be working on the digital version. Once the Publications branch of the Office of Communications (OCCP) has cleared it, both the pdf and the digital version will be launched together, ideally in September, to coincide with the webinar series.
- [16] The chairperson enquired whether the input of focus group members was needed when it came to selecting the photographs for the publication. The secretariat replied that they had already selected some photographs from the FAO Library, following on from the designer’s suggestion to make the publication more visually appealing.
- [17] The focus group:
- (2) *agreed* to look through the designed technical resource document and make comments on the pdf version, if anything occurred to them, before Friday 12 July 2024.

6. Finalizing agenda on the planned webinars and other preparations

- [18] The focus group discussed arrangements for the global webinar series, which have been updated as follows:

Seminar 1: Climate change, plants and pests

Proposed date and time: 24 September 2024; 10.00 CET (UTC +1)

Facilitator (5 min): Dominic Eyre, Senior Plant Health Scientist Department for Environment, Farming and Rural Affairs, UK

Talk title	Potential speakers / organization	Mins	Panel member contacting speaker	Contacted / agreed to speak	Confirmed with the Secretariat
Current understanding of climate change science	Debbie Hemming, UK Met Office debbie.hemming@metoffice.gov.uk	10	Dominic	agreed	
Horizon scanning	Mark Kenis, CABI m.kenis@cabi.org	15	Hannah	agreed	
Climate impacts on pests	Sandra Skendžić, University of Zagreb, Croatia sskendzic@agr.hr	15	Dominic	agreed	YES
Case study – climate change in the Pacific	Ngatoko Ngatoko, Cook Islands	12		agreed	

Seminar 2: Risk assessment

Proposed date and time: 25 September 2024; 15.00 CET (UTC +1)

Facilitator: Karen

Talk title	Potential speakers / organization	Mins	Panel member contacting speaker	Contacted / agreed to speak	Confirmed with the Secretariat
Climate data and climate models for plant pests	Christopher Randle Sam Houston State University CPR003@SHSU.EDU	13	Glenn	agreed	
Pest risk assessment	Ken Okwae Fening Associate Professor University of Ghana Legon kenof2@yahoo.com /KFening@ug.edu.gh	13	Hannah	agreed	Yes
Climate impacts on plants and pests in tropical areas	Francislene Angelotti Embrapa, Brazil	13	Erika	agreed	
Climate change “guide”	Glenn Fowler USDA-APHIS-PPQ glenn.fowler@usda.gov	13		agreed	

Seminar 3: Pathways and risk management

Proposed date and time: 26 September 2024, 10.00 CET (UTC +1)

Facilitator: Hannah Serwaa

Talk title	Potential speakers / organization	mins	Panel member	Contacted / agreed to speak	Confirmed with the Secretariat

			contacting speaker		
Pest reporting, surveillance and monitoring	Mr. Sybren Vos, EFSA Sybren.Vos@efsa.europa.eu European Food Safety Agency (EFSA) https://www.ippc.int/en/partners/organizations-page-in-ipp/efsa/	13	Bastian	agreed	
Climate change and pest management	Sonja Gvozdenac, Institute of Field and Vegetable Crops, Serbia gvozdenacsonja@gmail.com	13	Dominic	agreed	YES
International co-operation and POARS	Eunice Ringera, KEPHIS, Kenya eringera@kephis.org	13	Dominic	agreed	
Culturally significant plant species and Indigenous Peoples	Speaker from NZ	13	Victoria	contacted	

- [19] The secretariat informed focus group members that they had sent out the invitations to speakers, five of whom had confirmed their availability. The secretariat thanked everyone for providing the required information.
- [20] Regarding the final unconfirmed slot for Seminar 3, the chairperson asked whether focus group members had any suggestions for a possible replacement who could speak about “Culturally significant plant species and the Indigenous Peoples”. One member pointed out that there was an Indigenous Peoples’ unit at FAO, which addressed climate-change issues, and that the FAO Regional Office for Asia and the Pacific had developed applications on culturally significant plant species a few years ago. The focus group member offered to approach both to see whether anyone might be willing to speak at the webinar series, if the need arose.
- [21] Hannah SERWAA AKOTO NUAMAH (Ghana) accepted to be the facilitator for the final webinar series on 26 September.
- [22] The secretariat informed focus group members that they were attending to the logistics for the webinars and promoting them through FAO’s usual channels to increase the attendance. The secretariat explained that speakers would need to share their PowerPoint presentations at least a week in advance of the webinars so that the interpreters could familiarize themselves with the contents.
- [23] In response to the chairperson’s query, the secretariat suggested that, given the cost of simultaneous interpretation, the webinars be translated into French and Spanish, rather than into all the official United Nations languages. This would be specified in the announcements and in the programme.
- [24] The secretariat shared a link to a prior workshop series to give focus group members an idea of how the webinar series would appear on the International Phytosanitary Portal (IPP) and FAO sites, including the presentation of photographs and biographies that the participants had been asked to provide.⁴

⁴ <https://www.ippc.int/en/news/workshops-events/webinars/workshop-series-fusarium-tr4-diagnostic-surveillance-inspection-and-simulation-exercise/>

[25] The chairperson commended the involvement of focus group members in the webinar series, noting that it kept with the FG-CCPI's wider aim of communicating and promoting climate change and phytosanitary issues.

[26] The secretariat said that speakers should aim to provide photographs and biographies to be featured on the webinar page and social media posts by the end of the week starting 15 July.

7. Discussion on the agenda of the face-to-face meeting in Brazil

[27] The secretariat gave an update on the progress with logistical arrangements for the focus group's in-person meeting in Manaus, Brazil.

[28] The secretariat addressed one member's concerns regarding financial assistance provided by the IPPC Secretariat to enable participants to attend the face-to-face meeting, and explained the procedure to follow. The member pointed out that the official invitation needed to include the individual participant's name and supporting documents in order to meet the requirements for a visa application in their country.

[29] One focus group member noted that, in the brief description of the main objectives of the face-to-face meeting in Brazil that they had drafted for the secretariat, they proposed to work on a summary of the focus group's achievements to be presented at CPM-19 (2025) and to develop an action plan for 2025–2026, seeing as the focus group's mandate had been extended until 2026 at CPM-18 (2024).

[30] Another focus group member reminded the group that, at recent meetings, they had also envisaged using the meeting in Brazil to come up with a concept for a new focus-group webpage; consolidate a list of new priorities for the extended run of the FG-CCPI; and to discuss the results and feedback on the global seminars.

[31] The chairperson asked focus group members whether anyone other than themselves should be invited to contribute to the meeting. One focus group member suggested that perhaps the local government or the NPPO of Brazil could give the group an insight into the nature of their work in relation to climate change, possibly in the context of a field trip where they could show the group how they deal with the outbreak of a pest. Another member recalled that a "technical visit" had been planned for the last day of their stay in Manaus.

[32] While cautioning against casting their net too wide, the chairperson suggested that it might be interesting for the focus group to work on a topic related to forestry and its ability to cope with climate change, since this area needed further investigation (as opposed to agriculture), although it had been discussed in the section on "Climate-change impacts on trees, forests and the environment" of chapter 2 of the technical report. One focus group expressed his support for this idea, and offered to get back to the group with some suggestions as to what the group could focus on. The chairperson recalled that the IPPC's *Scientific review of the impact of climate change on plant pests*⁵ that had been carried out before the focus group was formed had some recommendations related to forestry.

[33] The chairperson suggested that different focus group members could take turns leading on specific topics and chairing the dedicated sections of the meeting in order to share the responsibilities.

8. Priorities for future work of the FG-CCPI

[34] The chairperson went over the list of priorities for future work of the FG-CCPI, based on what the focus group had discussed at its last two virtual meetings.

[35] These included a "practical guide" on climate change and pest risk assessment (PRA) aimed at NPPOs, one that described in more detail available online resources, contained more illustrations and was easier to use than the *Climate-change impacts on plant pests: a technical resource to support national and regional plant protection organizations* document produced by the focus group. One focus group

⁵ <https://openknowledge.fao.org/server/api/core/bitstreams/fe50815a-fe81-467f-bc06-e15d68dd4e04/content/cb4769en.html>

member enquired whether the publication in question would adopt the format of a handbook or a manual of modelling approaches to climate change. The chairperson said that it could be either that or something even simpler and suggested that the focus group could draw on the six papers published online in the special issue of *EPPO Bulletin* dedicated to the impact of climate change on plant pests as a resource.⁶ The chairperson added that, before going to Brazil, it would be useful to agree on a structure, outlining the different chapters and what they might include, that the group could build on during the face-to-face meeting.

- [36] Another focus group member expressed their support for the idea of a practical guide, providing examples, which would be useful for risk assessors. The focus group member reminded the group that they had envisaged it being part of an Annex to the new combined ISPM for pest risk analysis (*Pest risk analysis for quarantine pests*),⁷ but thought this was perhaps too ambitious given that the holistic review was expected to take 4 years. The chairperson pointed out that, should the focus group succeed in publishing this additional resource, it could be referred to in the Annex in question.
- [37] The same member brought to the group's attention the opportunity to review and comment on the draft specification for the holistic review of the pest risk analysis standard, highlighting the fact that the draft specification referred to building an expert working group to work on the revision and that one of the desirable qualifications was knowledge of how climate change affects pests.
- [38] Another area that the focus group considered worth exploring further was the influence of climate change on the management and eradication of pests. The chairperson suggested that a more detailed guidance on this topic could contain examples from around the world about the impact that climate change is having and how NPPOs have dealt with it. Two focus group members offered to give papers related to this subject.
- [39] One focus group member recalled a third priority area, namely fostering links with Convention on Biological Diversity (CBD), the Centre for Agriculture and Bioscience International (CABI) and the Intergovernmental Panel on Climate Change (IPCC). Another member offered to investigate the possibility of inviting a speaker from the IPCC to give a talk during the meeting in Brazil. Yet another focus group member informed the group that CABI is actively looking for experts to write their fact sheets and suggested asking whether they would consider including a section on climate change in their fact sheets. The secretariat said they would explore the possibility of inviting a representative from CABI.

9. Any other business

- [40] No additional matters were raised.

10. Date and arrangement of the next meeting

- [41] The focus group agreed to hold their next meeting in virtual mode on 6 August 2024 from 18.30 to 20.30 CET (UTC +1) and tentatively agreed to hold the following meeting on 10 September 2024.
- [42] The secretariat invited focus group members to put forward items for the next meeting's agenda, and informed focus group members that a draft agenda for the meeting in Brazil was available in a dedicated Teams folder for everyone to consult and fill out.
- [43] The chairperson said that it would be helpful if focus group members could be notified, once the draft agenda for the next meeting had been uploaded onto SharePoint, to give them an opportunity to send in any suggestions they may have.

⁶ <https://onlinelibrary.wiley.com/doi/epdf/10.1111/epp.12998>

⁷ <https://www.ippc.int/en/publications/92364/>

11. Close of the meeting

[44] The chairperson thanked the participants for their contributions and closed the meeting.

Appendix 1: Agenda

**COMMISSION ON PHYTOSANITARY MEASURES
FOCUS GROUP ON CLIMATE CHANGE AND PHYTOSANITARY ISSUES
VIRTUAL MEETING**

9 July 2024, 22.00–24.00 CET (UTC +1)
Virtual meeting

Zoom – <https://fao.zoom.us/j/92606806896> (password: 56911100)

Last update: 2024-07-02

	Agenda Item	Document no.	Presenter
1.	Opening of the meeting	--	Chairperson
2.	Meeting arrangements		
2.1.	Election of the rapporteur	--	Chairperson
2.2.	Adoption of the agenda	01_FG_CCPI_2024_July_Agenda	Chairperson
3.	Administrative matters		
3.1	Participants list	02_FG_CCPI_2024_July_Participants_List	IPPC Secretariat
3.2	Documents list	03_FG_CCPI_2024_July_Documents_List	IPPC Secretariat
4.	FG-CCPI member updates	--	Chairperson/All
5.	Updates on the designed Technical Resource	--	IPPC Secretariat
6.	Finalizing agenda on the planned webinars and other preparations	Climate change and phytosanitary measures global seminars.docx (sharepoint.com)	Chairperson
7.	Discussion on the agenda of the face-to-face meeting in Brazil	--	Erika MANGILI ANDRÉ, FG-CPPI Member/NPPO Brazil
8.	Priorities for future work of the FG-CCPI	Priorities for future work of the IPPC focus group on climate change.docx (sharepoint.com)	Chairperson
9.	Any other business	--	Chairperson/IPPC Secretariat
10.	Date and arrangement of the next meeting	--	Chairperson/IPPC Secretariat
11.	Close of the meeting	--	Chairperson

Appendix 2: Participants List**CPM FOCUS GROUP ON CLIMATE CHANGE AND PHYTOSANITARY ISSUES****9 July 2024****PARTICIPANTS LIST**

A check (✓) in column 1 indicates confirmed attendance at the meeting

(Last update: 2024-04-26)

	FAO Region	Name, Organization, Country	e-mail account
✓	Africa	Ms Hannah SERWAA AKOTO NUAMAH Assistant Director, Plant Protection and Regulatory Services Directorate, Ministry of Food and Agriculture Accra, Ghana	hsnuamah@gmail.com hsakoto@st.ug.edu.gh
✓	Asia	Mr Bhakta Raj PALIKHE Plant Protection Adviser Nepal Plant Disease and Agro Associates (NPDA) Kathmandu, Nepal	brpalikhe@gmail.com
✓	Europe (Chairperson)	Mr Dominic EYRE Senior Plant Health Scientist Department for Environment, Farming and Rural Affairs York, UK	dominic.eyre@defra.gov.uk
✓	Europe	Mr Bastian HESS Research assistant Julius Kühn-Institute, Federal Research Centre for Cultivated Plants (Institute for National and International Plant Health) Braunschweig, Germany	bastian.hess@julius-kuehn.de
	Latin America and the Caribbean	Ms Erika MANGILI ANDRÉ Agricultural Officer International Affairs, Ministry of Rural Development and Family Farming Brasilia, Brazil	erika.mangili@agro.gov.br
	Near East and North Africa	VACANT	
✓	North America	Ms Karen CASTRO Senior Risk Assessor – Botany Canadian Food Inspection Agency Ottawa, Canada	Karen.Castro@inspection.gc.ca

	FAO Region	Name, Organization, Country	e-mail account
✓	North America	Mr Glenn FOWLER Risk Analyst USDA APHIS Plant Protection and Quarantine Sacramento, USA	glenn.fowler@usda.gov
	Southwest Pacific	Ms Victoria LAMB Co-Lead, HE Waka Eke Noa Climate Change Programme Extension Ministry for Primary Industries Wellington, New Zealand	Victoria.Lamb@mpi.govt.nz
	Southwest Pacific (Vice-Chairperson and IC representative for FG-CCPI)	Mr Ngatoko NGATOKO Director, Biosecurity Service Ministry of Agriculture Rarotonga, Cook Islands	ngatoko.ngatoko@cookislands.gov.ck nngatoko@gmail.com
	CPM Bureau champion for the FG-CCPI	Mr Samuel BISHOP Plant Health Policy team Department for Environment, Food and Rural Affairs National Agri-Food Innovation Campus Sand Hutton York, North Yorkshire, UK	sam.bishop@defra.gov.uk
✓	FAO Office of Climate Change, Environment and Biodiversity (OCB)	Ms Xiaoxiao WANG Natural Resources Officer FAO OCB Rome, Italy	Xiaoxiao.Wang@fao.org

IPPC Secretariat

		Name	Email address
✓	IPPC Secretariat	Ms Mutya FRIO Communications Specialist	Mutya.Frio@fao.org
	IPPC Secretariat	Mr Arop DENG Integration and Support Team Lead	Arop.Deng@fao.org
✓	IPPC Secretariat	Ms Agnieszka GRATZA Copy-editor and report writer	Agnieszka.Gratza@fao.org

Appendix 3: Documents List**CPM FOCUS GROUP ON CLIMATE CHANGE AND PHYTOSANITARY ISSUES****9 July 2024, 22.00–24.00 CET (UTC +1)****Virtual meeting****DOCUMENTS LIST***(Last update: 2024-07-02)*

DOCUMENT NO.	AGENDA ITEM	DOCUMENT TITLE	DATE POSTED / DISTRIBUTED
Administrative documents			
01_FG_CCPI_2024_July_Agenda	2.2	Provisional agenda	2024-07-02
02_FG_CCPI_2024_July_Participants_List	3.1	Participants list	2024-07-02
03_FG_CCPI_2024_July_Documents_List	3.2	Documents list	2024-07-02

Background documents	Agenda item
2024_06_25 DRAFT DOCUMENT CLEAN.docx	5
Climate change and phytosanitary measures global seminars.docx (sharepoint.com)	6
Priorities for future work of the IPPC focus group on climate change.docx (sharepoint.com)	8

