

## **Climate Smart Agriculture: Loss of Biodiversity and the Uncertainties associated with Climate Change**



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### **BACKGROUND**

This international technical webinar is part of the series organized by the **FAO eLearning Academy**, **Agreenium** (l'Institut agronomique, vétérinaire et forestier de France) and **UN-ESCAP** (United Nations Economic and Social Commission for Asia and the Pacific). These webinars are an opportunity for all of us to share experiences and lessons learnt, discuss challenges, and propose innovative solutions and models. They aim to provide a holistic and comprehensive view of current trends in thematic areas related to global challenges, by combining development research and innovation perspectives.

The main objective of these technical webinars is to give practitioners the opportunity to interact with international experts, United Nations officers, University professors, researchers and fellow participants, throughout the world. Webinars can be attended as interactive online sessions on Zoom, where sharing perspectives and asking questions to experts is encouraged. These sessions are also recorded and therefore available at any time, through the FAO eLearning Academy: [elearning.fao.org](https://elearning.fao.org).

## OBJECTIVES OF THIS SESSION

- Define the risks and uncertainties brought by climate change
- Recognize the loss of biodiversity caused by climate change
- Illustrate examples of climate smart agriculture as a response to increasing climate change issues

## SPEAKERS

This international technical webinar will be delivered by **Ms Federica Matteoli**, Natural Resources Officer at FAO, **Mr Philippe Lemanceau**, Senior Scientist at the French National Institute for Agriculture, Food, and Environment (INRAE), and moderated by **Ms Cristina Petracchi**, Leader of the FAO eLearning Academy.



Federica Matteoli  
Natural Resources Officer  
(CBC/FAO)



Philippe Lemanceau  
Senior Scientist  
(INRAE)



Cristina Petracchi  
Leader of the FAO  
eLearning Academy  
Partnerships Division  
(PSP/FAO)

**Federica Matteoli** has 16 years of experience in the field of climate change, political science and participatory approaches in international agencies such as FAO, the World Bank and government agencies. She is the coordinator of a project that works on CSA knowledge activities and projects at the field level in Botswana and Ecuador. She coordinated a FAO project on Communication for Development on climate change in Bolivia, the Democratic Republic of Congo and in the Caribbean. She worked for the World Bank on

**Philippe Lemanceau** is a senior scientist at INRAE. He is a soil microbiologist with a widely recognized expertise in biodiversity and plant-microbe interactions. He heads a large research Unit on agroecology, whose activities aim at preserving and valorizing biodiversity and biotic interactions, and their application to assess and design multi-performing agroecological systems using low chemical inputs. He has coordinated a large EU project (EcoFINDERS) aimed at characterizing the biodiversity (i.e., microbiota & fauna) of European soils, their

**Cristina Petracchi** heads the FAO e-learning Academy. She manages and coordinates the design, development, delivery and language adaptations of an extensive portfolio of e-learning courses and blended learning programmes for the benefit of FAO member countries, and is responsible for the creation of University Masters' and Post Graduate Degree Programmes. She engages actively in consolidating partnerships across United Nations agencies, academic institutions and universities, regional organizations, CSOs and NGOs,

climate change issues. She has a degree in Law, a Master in International Cooperation and a PHD in Science and Management of Climate Change.

functioning and the provision of ecosystem services. He has also organized the first Global Soil Biodiversity Conference in Dijon, and held editorial responsibilities in international peer-reviewed journals.

for capacity development initiatives. In addition to a University Degree in Biological Sciences, Ms Petracchi holds a PhD in Nutrition and Food Science, and has several years of experience of capacity development activities, in a number of countries.

## HOW TO ATTEND

The webinar is free and open to everyone, provided you have the link to the platform. To join the webinar session on Zoom, kindly register [here](#).

We suggest you to use Google Chrome in order to join the webinar. We also recommend you to check your time zone [here](#).

**Please feel free to share this invitation with your colleagues.**

## PARTNERS

**Agreenium** - l'Institut agronomique, vétérinaire et forestier de France  
**AgroParisTech** - Institut des sciences et industries du vivant et de l'environnement  
**CIHEAM** - International Center for Advanced Mediterranean Agronomic Studies  
**CIRAD** - Agricultural Research Centre for International Development  
**CREA** - Council for Agricultural Research and Economics  
**FFI** - Future Food Institute  
**IFAD** - International Fund for Agricultural Development  
**IGNOU** - Indira Gandhi National Open University  
**INRA** - Institut national de la recherche agronomique  
**Montpellier SupAgro** - Institut national d'études supérieures agronomiques de Montpellier  
**NEPAD** - New Partnership for Africa's Development  
**SUN Movement** - Scaling Up Nutrition Movement  
**UNDP** - United Nations Development Programme  
**UNESCAP** - United Nations Economic and Social Commission for Asia and the Pacific  
**WB** - World Bank  
**WFP** - World Food Programme

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