

## Climate change and agriculture: Quantifying carbon stocks in soils and their evolution



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### BACKGROUND

This international technical webinar is part of the series organized by the **FAO elearning Academy**, **Agreenium** (l'alliance de la formation et la recherche pour l'agriculture, l'alimentation, l'environnement et la santé globale) **UN-ESCAP** (United Nations Economic and Social Commission for Asia and the Pacific) and **Future Food Institute**. 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

- Recognize the tools and methods for quantifying carbon stocks in soils;
- Understand carbon pricing in connection with the uncertainty of monitoring;
- Present the upcoming Massive Open Online Course (MOOC) on soil and climate.

## SPEAKERS

This technical webinar will be delivered by **Mr Martial Bernoux** (FAO), **Mr Valentin Bellassen** (INRAE) and moderated by **Ms Cristina Petracchi**, Leader of the FAO elearning Academy.



Martial Bernoux  
Senior Natural Resource  
Officer  
FAO



Valentin Bellassen  
Senior Researcher in  
Environmental Economics  
INRAE



Cristina Petracchi  
Leader of the FAO elearning  
Academy  
FAO

**Martial Bernoux** is a FAO Senior Natural Resources Officer in the Office of Climate Change, Biodiversity and Environment (OCB), in charge of the Nationally Determined Contributions (NDC) Expert Support Team (NEST), and FAO lead technical officer for the Thematic Working Group on Agriculture, Food Security and Land Use hosted by FAO under the umbrella of the NDC-Partnership. Prior to join FAO, he served in the French National Research Institute for Sustainable Development (IRD) leading

**Valentin Bellassen** is a senior researcher in environmental economics and evaluation of public policies at INRAE since 2014. He holds a PhD in environmental sciences (2010) and his current research covers the multi-criteria evaluation of food value chains and the evaluation of policies impacting both agriculture and the environment. He is a specialist in climate economics, with past positions at the Environmental Defense Fund, in the delegation of Papua New Guinea as international negotiator on

**Cristina Petracchi** heads the FAO elearning Academy. She manages and coordinates the design, development, delivery and language adaptations of an extensive portfolio of elearning 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

researches on agriculture, soils and climate change.

He has a strong experience of the UNFCCC and the UNCDD, being a former member of its Science-Policy Interface. He collaborates with IPCC since 2002 and he's a member of its Emission Factor Database Board.

forests at the United Nations (UNFCCC) and at CDC Climat where he managed the research unit on carbon offsets, agriculture and forestry. He is also an accredited UNFCCC reviewer for national greenhouse gas inventories.

NGOs, 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 several 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

**AFAAS** - African Forum for Agricultural Advisory Services

**Agreenium** - 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

**EU International Partnerships Academy**

**EU** - European Union

**FARM-D** – Forum for Agricultural Risk Management in Development

**FFI** - Future Food Institute

**ICBA** - International Center for Biosaline Agriculture

**IFAD** - International Fund for Agricultural Development

**INRAE** – Institut national de recherche pour l'agriculture, l'alimentation et l'environnement

**La Sapienza University**

**LUISS University**

**Mc Gill University** - Margaret A. Gilliam Institute for Global Food Security

**Montpellier SupAgro** - Institut national d'études supérieures agronomiques de Montpellier

**NEPAD** - New Partnership for Africa's Development

**OpenMed**

**PARM** - Platform for Agricultural Risk Management

**SUN Movement** – United Nations Scaling Up Nutrition Movement

**UNDP** - United Nations Development Programme

**UNESCAP** - United Nations Economic and Social Commission for Asia and the Pacific

**UNIMED** - Mediterranean Universities Union

**UNITELMA University**

**UOC** - Open University of Catalonia

**WFP** - World Food Programme

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