

Preventing and Mitigating Land Degradation: Nutrient Turnover and Terrestrial Carbon Sequestration



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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.

OBJECTIVES OF THIS SESSION

- Present the interrelations between the agriculture, forestry and other land use (AFOLU) sectors and climate change;
- Discuss about the EX-ACT tool, using examples and exercises; and
- Classify nutrient turnover strategies for mitigating land degradation.

SPEAKERS

This technical webinar will be delivered by **Mr Louis Bockel** (FAO), **Mr Julien Demenois** (CIRAD), and moderated by **Ms Cristina Petracchi**, Leader of the FAO eLearning Academy.



Louis Bockel
Policy Officer
FAO



Julien Demenois
Senior Scientist
CIRAD



Cristina Petracchi
Leader of the FAO eLearning
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Louis Bockel is an FAO Policy Officer, responsible for agricultural policies and the transformation towards greener agriculture in the Division of Economics of Agricultural Development, FAO, based first in Rome and now in Ghana since 2018. He does appraise social, economic and environmental impact of investment programs/policies in rural development, forestry, agricultural sectors and their carbon impact. In the past 10 years, with the EX-ACT team (ex-ante carbon balance), they worked in 85 countries on more

Julien Demenois is a senior scientist in functional ecology at CIRAD (the French Agricultural Research Centre for International Development) with a focus on soil and carbon sequestration in tropical ecosystems. He leads the "4 per 1000: soils for food security and climate" thematic at CIRAD and is member of the research unit AIDA at Montpellier (France). He coordinates the ANR "[DATA4C+ project](#) – Towards interoperability of databases to be more FAIR" and is involved in several international projects in West Africa, South East Asia and Central America. His last

Cristina Petracchi heads the FAO eLearning 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

than \$ 40 billion in investment projects and trained several thousand experts in carbon assessment tools (EX-ACT tool). He holds a Phd in economics in Paris on poverty reduction policies in agriculture (2003), and a double master's degree as an agricultural economist in rural economics and sociology (Catholic University of Louvain La Neuve, 1982) and as agricultural engineer (ISA Lille 1980).

publication “Barriers and Strategies to Boost Soil Carbon Sequestration in Agriculture” pledges for the involvement of stakeholders to improve the enabling environment for soil carbon sequestration in agriculture.

organizations, CSOs and 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 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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