



Food and Agriculture
Organization of the
United Nations



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

Estimating GHG emissions and carbon sequestration in agriculture, forestry and other land use with EX-ACT



© Mohammad Rakibul Hasan

Are you aware that Agriculture, Forestry and Land Use Change (AFOLU) contributes to carbon sequestration as co-benefits through productive and sustainable landscape management? At the same time AFOLU is the second largest emitter of greenhouse gas (GHG) emissions worldwide. GHG accounting in the AFOLU sector is an important indicator and integral to the design and planning of landscape interventions. The EX-Ante Carbon-balance Tool (EX-ACT), developed by the Food and Agriculture Organization of the United Nations (FAO), is a user-friendly tool for estimating GHG emissions and carbon sequestration in AFOLU projects.



Up to 5 hours of learning, depending on learning needs



Available in English, French and Spanish

You will learn about

- The interrelation between AFOLU sectors and climate change, key terminologies in carbon accounting, as well as the structure and building blocks of the EX-ACT.
- How to apply the EX-ACT in projects in AFOLU sectors in accounting for GHG emissions and/or carbon sequestration.

Who is the course for?

The target audience for this course includes project developers, professionals who work on agriculture, forest, livestock, watershed restoration, grassland management, as well as those who are interested in GHG accounting.

Key partners

This course was jointly developed in close collaboration with the World Bank to enable countries to measure greenhouse gas (GHG) emissions deriving from Agriculture, Forestry and Land Use Change. GHG accounting is an important indicator and integral to the design and planning of landscape interventions.

FAO elearning Academy



This course is available through the FAO elearning Academy. Please visit the Academy and browse our extensive catalogue in multiple languages. Register once to access over 100 titles. All courses are available as a global public good for free.

How to access the course

1. Go to the e-learning Academy: elearning.fao.org
2. Register and log-in with your user name and password



© FAO, 2021
CB1920EN/1103.21
Revised version

[😊] Registration is fast and easy