

Negative externalities of increased land under cultivation: methods and assessment tools and practical alternatives

Project Code: NRM/01/CF/CW/2011-14/

Objective:

The project objective is to test methods of soil management alternatives for limiting the risks associated with the massive use of organic or inorganic fertilizer. The activities include an assessment of contamination of abiotic and biotic soil-plant system (ETM, pathogens) associated with intensive practices identified in four agro ecosystems; innovations will be tested to limit these risks. The results are expected to assess the potential risks of pollution, to propose practical alternatives to these risks, to develop indicators for monitoring to ensure the training of students and stakeholders.

Background/Rationale:

The need to step up agricultural production in Sub-Saharan Africa promotes the development of intensive farming practices. However, these practices are likely to introduce chemical and biological contaminants in soils and generate health and environmental risks.

Project Outputs:

- Development of sustainable systems in West and Central Africa
- Preservation of soil capital
- Maintenance of population health and development of marketing channels for local production of healthy and safe food products

Project Funding Type: Competitive Project

Participating institution and country location:

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Project duration: 2011-2014

Starting date: November 2011

Ending date: 2014

Source of funding: MDTF CORAF

Amount of funding: 490050\$