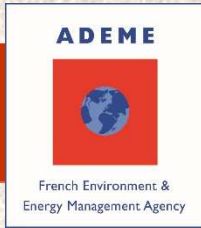


# Soil in LCA : time to get operationnal

Soil quality indicators in Life Cycle Assessment  
LCA food Dublin 2016

V. Colomb, A.Bispo, J.Mousset

[Vincent.colomb@ademe.fr](mailto:Vincent.colomb@ademe.fr)



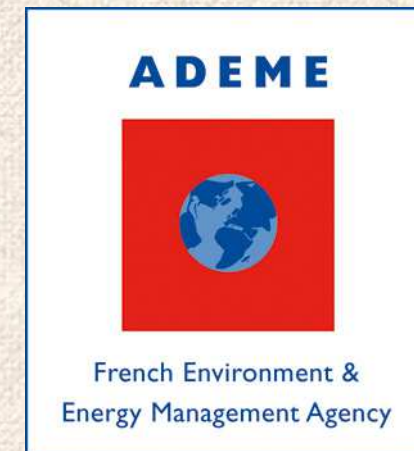
## A word about ADEME

- GOAL : Supporting ecological transition in France

=> supporting Research

=> providing Expertise

=> supporting Green Investment



Long time supporter and user of LCA (PCR, DBB, Green Policies assesment etc.)



## High expectations for agriculture

- Reliable accounting of soil in LCA required for

⇒ *Livestocks systems (grasslands)*

⇒ *Organic Agriculture*

⇒ *Agroforestry systems*

⇒ *« Deforestation sensitive » products*



⇒ *Key point for Environmental labelling (with biodiversity)*



## Many projects ongoing

- Dedicated research work for many years

⇒ *Publications*

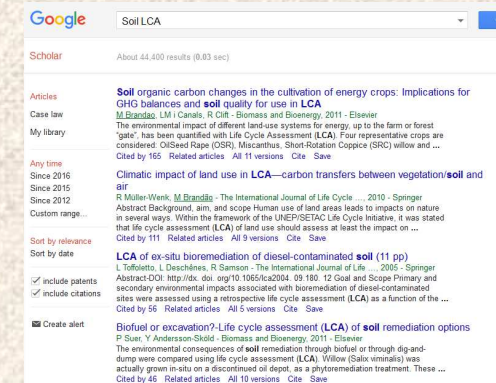
⇒ *IPCC*

⇒ *SOCLE (CIRAD/ARVALIS)*

⇒ *LEAP*

⇒ *Quantis (LU GHG)*

⇒ *UNEP SETAC*



*Time for consensus building, operationnal results*



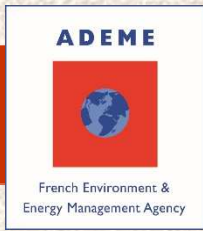
## High expectations for agriculture

- Priority n°1 : GHG accounting
- Priority n° 2 : Land use/ Biodiversity
- Priority n°3 : Soil quality (erosion, MO etc.)

## ADEME Key points

- Framework able to account for **positive and negative effects**
- Framework useful to support **best agricultural practices** (no till, cover crops, organic fertilizers etc.)
- Framework **understandable and acceptable for non LCA specialists** (agronomists, environmentalists etc.)
- **Operational** case studies





*So let's start working ... 😊*