



New agricultural models and innovative agrifood products, what are the environmental impacts?

Final remarks



Boissy's presentation shows that there are benefits to carbon storage through the implementation of agroforestry systems, that is, the **planting of small and medium-sized trees together with annual crops.**

The benefit of carbon stock is given mainly by storage in the biomass itself and into the soil.



Increasing demand for plant-based foods by consumers requiring reduction / elimination of animal protein, calls for the **development of new plant-based protein** sources.

Mirjam Busch identifies the potential of **reducing the emission of greenhouse gases** developing innovative **vegetal meat alternatives**.



Alessandra remembers that the production of animal protein should also be rethought in environmental terms, since the type of feed offered to the animals as well as the mineral supplements directly influence the environmental impact resulting from these processes.



Magdalena Czyrnek-Deletre proposes **hybrid methodology by typology** between detailed ACV and black box ACV **for better management of agricultural farms for work simplification.**

The idea is to reduce the time to collect data and also to extend the application of tool by farms's managers.



Additional important challenges for the application of LCA in the agrifood area

The integration of farms with the association of plant and animal internal resources is undoubtedly a clear route to be pursued in order to improve productive and agricultural efficiency.



Additional important challenges for the application of LCA in the agrifood area

The **simplification of the LCA methodology** is **extremely important** to make the LCA instrument **more easily used in the daily management of productive systems.**

LCA needs to migrate from only scientific tool to **daily economic / environmental management tool** and not just as a post-impact measurement instrument



Additional important challenges for the application of LCA in the agrifood area

The **nutritional quality** of the food produced should also be added to the **objectives of improving productive efficiency**

Consumer habits during food preparation and consumption **have a significant influence on the environmental performance** of systems and should be studied in detail.



Additional important challenges for the application of LCA in the agrifood area

LCA methodology has been developed for functional units of products or services, but **must evolve** adding also functional units **of landscape and natural resources preservation, nutritional quality, quality jobs creation, etc.**