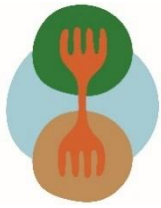


# Study and comparison of multi-criteria evaluation methods for farms for EUfarms : European network of Certified organic farms in agroecology



**EUfarms** *Engineering project summary report (October 2024 – February 2025)*

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## Context: The EUfarms

Collaborative network of European farmers, created by farmers in 2023, pioneers in organic agroecology, operating on large usable agricultural areas (UAA), through the deployment of a powerful tool for peer learning and sharing, action research programs, and a showcase of organic agroecology practices.

## Characteristics of EUfarms farms:

- Organic certified;
- At least 30 ha of UAA;
- At least 2 separate production workshops and one processing unit.

## Objectives of the study:

- Compare the many existing multi-criteria assessment methods based on the literature and an application on a farm in the network;
- Make recommendations on the method to be adopted to evaluate the farms in the network, taking into account the objectives and characteristics of the network.

## Study approach:

Based on resources provided by EUfarms and an in-depth review of the literature, more than 270 multi-criteria assessment methods were identified and compared. Numerous discussions with the association made it possible to formulate criteria for selecting methods that were interesting and suited to the assessment objectives. The main objectives are first and foremost to promote the characteristics of the EUfarms farms mentioned above, particularly organic farming certification. Other criteria identified are also worth considering:

### Ecosystem regeneration

Biodiversity, Soil regeneration,  
Regenerative hydrology, Agroforestry, Free-range livestock farming, Animal welfare

### Financial/economic return

Preservation of added value, Local sales, Diversity of activities (processing), Transferability, Governance, Independence and autonomy

### Social return

Job creation, Ability to feed the region, Inclusion of women, Participation in local networks, Creation of social ties, Product accessibility, Working/active time

### Inspiration

Motivation at work, Knowledge transfer, Reinventing the farm, Hospitality, Passion

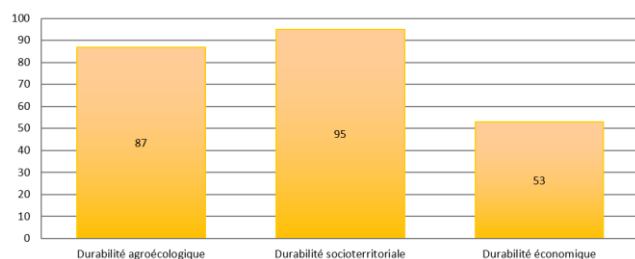
Figure 1 - Important criteria for the EUfarms network

Five methods were deemed suitable and were then tested on a farm in the network: **OASIS, IDEA 4, CIVAM Sustainability Assessment, OpenCompass, and TAPE.**

# Results and recommendations:



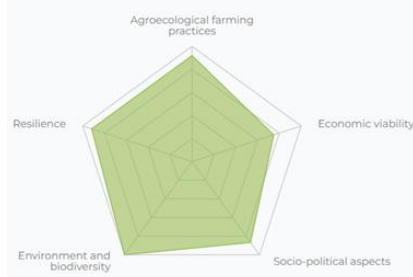
Représentation graphique des dimensions de la durabilité de l'exploitation agricole



**Structure:** 3 dimensions → 13 components → 53 indicators  
**Pros:** Scientifically approved, open-source, comprehensive, platform for aggregating the results of all assessments  
**Cons:** Difficult to collect certain information, not well suited to multi-structure organizations



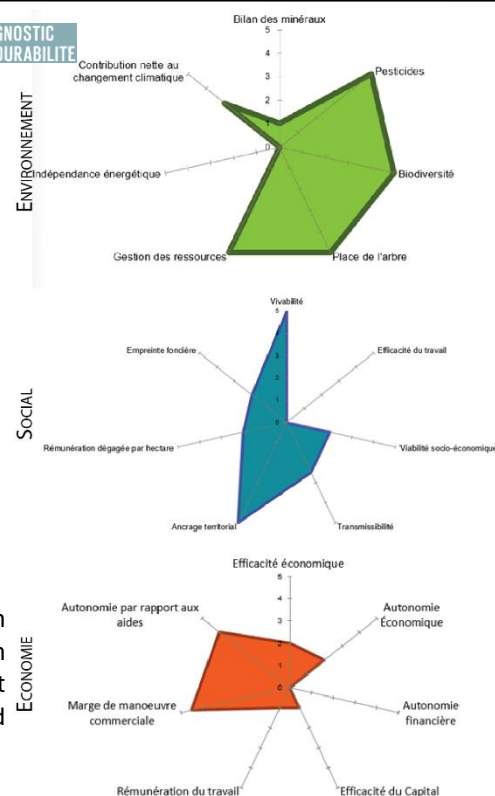
Level of agroecological transition



**Structure:** 5 dimensions → 13 themes → 57 criteria  
**Pros:** Scientifically approved, open-source, suited to diversified activities  
**Cons:** need to compare with regional averages, self-reported

**Structure:** 3 dimensions → 7 indicators per dimension  
**Pros:** Easy to use and interpret  
**Cons:** Social dimension based mainly on economic indicators, not well suited to large (and multiple) structures

DIAGNOSTIC DE DURABILITE



Opencompass

**Structure:** 4 themes → 4 indicators per theme  
**Pros:** Easy to interpret, impact calculation  
**Cons:** Not very detailed, does not take economic and social aspects into account

**Structure:** 3 stages → 10 elements of agroecology with 35 indicators  
**Pros:** Adaptable to diversification, scientifically approved  
**Cons:** No pre-designed processing tool, less suited to the European context, self-declared

TAPE

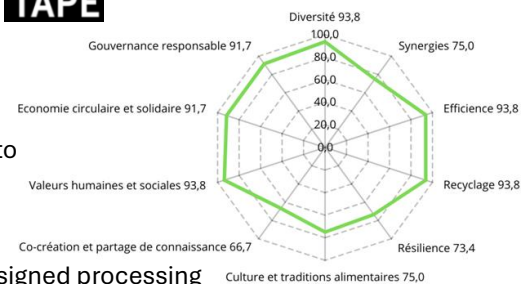


Figure 2 - Aggregate outputs of the evaluation methods applied to the study farm and advantages/disadvantages of each, taking into account the network's objectives

A comparison of the methods and their application allows us to draw an initial conclusion. Among the five methods studied, two approaches to multi-criteria assessment stand out: **one focused on measuring the impacts of agricultural operations and the other focused on the trajectory of operations towards agroecology.** The IDEA 4, Sustainability Diagnosis, and Opencompass methods belong more to the former, and the OASIS and TAPE methods to the latter. Next, after comparing the range of criteria taken into account in each of the methods, as well as their ease of use, IDEA 4 and OASIS appear to be the best candidates in their respective approaches in relation to EUfarms' expectations and objectives.

## Conclusion and outlook:

The study compared a wide range of multi-criteria assessment methods for farms and provided input for selecting an appropriate method for assessing farms in the EUfarms network, a European network of organic agroecological farms. A scientific committee will meet shortly to make recommendations on the work carried out, after which a decision-making committee will decide on the selected method and an initial sample of 20 farms will be assessed using this method.

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