



1. INTRODUCTION TO INTEGRATED FOOD-ENERGY SYSTEMS (IFES) CONCEPT FOR CLIMATE-SMART AGRICULTURE

CORRESPONDING MODULE 1

Introduction

Conventional, reasoned, organic, even biodynamic, the modes of agricultural production each have a more or less strong impact on our environment. And even if, today, economic constraints force farmers to do everything possible to reduce their production costs, sustainable methods should be encouraged as part of a responsible diet. These production methods guarantee the maintenance of a human-sized agriculture that respects people, biodiversity, animals and territories.

All farmers have their own way of running their farms. However, it is possible to classify these ways of farming into four main types:

Conventional agriculture: Highly mechanised, this type of agriculture aims to achieve maximum crop yields. It therefore prescribes the use of inputs (chemical fertilisers, crop treatment products, etc.).

Sustainable agriculture: This corresponds to global approaches to farm management which aim, beyond compliance with regulations, to reinforce the positive impacts of agricultural practices on the environment and to reduce their negative effects, without jeopardising the economic profitability of farms. To date, few farmers are committed to this approach.

Sustainable (or integrated) agriculture: This is a form of agriculture that reconciles practices that respect the environment (humans, natural environments, animals) with economic concerns. Fertilisation (fertilisers, chemical or synthetic amendments) is practised "as close as possible". The farms are of medium size (up to a few employees or seasonal workers).

Organic farming: This totally rejects the use of synthetic chemicals. The cultivation of genetically modified organisms (GMOs) is prohibited. It is now the basis of sustainable agriculture and largely limits the impact of agricultural production on the environment by protecting water resources in particular.

Another more anecdotal method of production, often used on specific productions such as vines or vegetables, can be used. This is biodynamics, which considers the farm as a living entity and is based on the lunar and cosmic rhythms.

Source : <http://www.etiktable.fr/lalimentation-responsable/mode-de-production/>

Description

In 2002 Alain HUET opened the Casserie farm to the public.

The farm consists of a breeding area with 200 ewes on an area of 85 ha and an organic farming area.

In 2010, Cécile HUET, a specialised educator with ten years of experience in the field of disability, decided to develop the farm by transforming it into an educational farm.

La Casserie offers two educational modules for school children and adults:

Module 1: seasonal farm and garden activities

Care and contact with farm animals - an activity centred on the relationship between animals and humans -

"Jardine bio, c'est rigolo" - learning to cultivate your garden in an eco-friendly way while having fun -

Journey and discovery in the heart of the farm - Journeys by stage and by group according to age to discover the farm -

Module 2: "Know-how" workshops in small groups

Milk processing workshop: "from milk to cream and butter

Bread workshop: "from farm-grown cereals to bread".

Workshop Wool from our sheep: "from wool to yarn".

Farmhouse cooking workshop: "cooking with farm products".

They also offer an educational reception at the farm and garden:

- By the half-day,
- On the day
- On a self-catering holiday (farm course)



In addition to diversifying their income, farmers wish, through educational farms, to communicate with the urban world and position themselves as important players in the development of the territory. *Creating an educational farm, from the*



idea to the creation CAFFERELLI, COQUILLAUT,
DANIEL ET THOU.



Benefits and challenges

"I love my job, my living and working space. The animals, the hedges, the garden... nature are conducive to discovery, observation, knowledge, but also creativity, play, pleasure... real educational tools." Cécile HUET.

The educational programmes are individualised and tailored to the audience, and prepared with the educators, coaches or teachers.

Through our welcome, which we want to be simple and warm, we want to share our work, our environment and allow the children, young people and adults we welcome to experience moments of simple pleasure and happiness with and in nature.

Our wish and ambition:

1. to make young and old aware of the need to respect nature, animals, oneself and others...
2. to offer the children or persons welcomed the possibility to be in contact, in connection with nature, animals, our profession... to be, to do, and to make with and in NATURE (e.g.: care of animals, gardening, construction of huts, land art, country cooking...)
3. to respond to the needs of the people welcomed by offering a soothing, restful, warm... or invigorating setting, a place for expression, exploration, experimentation, knowledge, learning... it depends.
4. share and transmit know-how that is sometimes forgotten.

Main data

Created in 2002

85 ha

Organic educational farm with a bakery, a market and farm gate sales of organic and local products and lamb meat.

Further Information

[https://
www.fermedelacasserie.com/](https://www.fermedelacasserie.com/)

[dupainsurlespl](https://www.fermedelacasserie.com/)



Co-funded by the
Erasmus+ Programme
of the European Union

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