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# SUSTAINABLE CROP AND LIVESTOCK INTEGRATION (INTEGRATED CROP- LIVESTOCK SYSTEMS)

## CORRESPONDING MODULE 4



### Introduction

Integrated agro-breeding production systems.

In many mixed systems, waste from one element serves as a resource in another: manure produced by livestock is used to increase crop production, and feed crops, crop residues and by-products are fed to animals. Integrated agro-breeding systems have been a mainstay of agriculture for hundreds of years. Around the world, mixed farming systems are used on about half of the total agricultural area. The combination of crops and livestock feeds many of the world's people and enables farmers to generate income from different agro-ecological areas. In Poland, these systems once



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accounted for 37% of farms and about 29% of the agricultural area.



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### Description

General description of the CASE STUDY with information related to the questions already mentioned in section 3 of this document.

Background, types, basic information  
Best practices

An example of an agricultural system in which animal husbandry and crop cultivation occur in a coordinated way is the **Organic Farm 'Pod Kasztanem'**.

An organic dairy farm specialising in dairy farming and milk processing is run by Beata and Robert Janowski.

*..." Our farm is run from generation to generation. The cows graze from spring to autumn on meadows, managed in an ecological way, without any chemical fertilisers (just manure alone). In winter, the cows are fed with hay, hay and straw from our organic fields, which they harvest themselves. Our cows see the sun, run in the meadows, eat healthy and give us the best, healthiest milk! '..."*

The history of the farm began with two people and one cow. In 1944, great-grandfather Michal and great-grandmother Helena and their three children set out on foot from the village of Kowala (Puławy County). They were accompanied by a red cow named "Malina" -the host.

During the First World War, a German citizen planted a chestnut tree on the plot where his great-grandparents had settled - hence the name.

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Photo Plant source: <https://mleczniopodkasztanem.pl/zaklad/>

Main objective of the institution implementing the case study and main achievements.

Good to remember information, practical information, links to other CSs.....

.....



Fig.

<https://mleczniopodkasztanem.pl/historia/>

Source:

## Advantages and challenges

### Assortment:

- unpasteurised milk,
- cheeses with herbs,
- cream, butter, buttermilk, curd, whey,
- smoked rennet cheese,
- smoked curd,

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- Ricotta cheese, Siara, matured cheese, salad cheese.



Photo Source: <https://mleczniepodkasztanem.pl/historia/>

### AWARDS/CERTIFICATES

- Best Taste of Lublin 2016 for rennet cheese with onion, butter and unpasteurised milk
- Best Taste of Lublin 2016 for rennet cheese with onion, butter and unpasteurised milk
- "Farmer of the Year 2019" of the Łęczna district
- 1st place in the "EcoLubelskie 2020" competition
- Level I cheese-making course
- Level II cheese-making course



Photo Source: <https://mleczniepodkasztanem.pl/historia/>

... "The secret to the amazing taste of milk from our farm?  
Organic, harvested from our fields and meadows FODDER  
for the cows"....

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### Main data

Budget, main dates (investment, start of production, period of raise funding, etc.), location, module name and number, contact data when possible, institution

- The farm has been run from generation to generation. Currently, the farm is run by Beata and Robert Janowski. The history of the farm began with two people and one cow. In 1944, great-grandfather Michal and great-grandmother Helena and their three children set off on a journey on foot from the village of Kowala (Puławy county). They were accompanied by a red cow named "Malina" -the host.
- On the farm, the cows graze from spring to autumn on meadows, managed organically without any chemical fertilisers (just manure alone). In winter, the cows are fed with haylage, hay and straw harvested by themselves from the farm's organic fields.
- A farm specialising in dairy farming. The raw material (milk) is processed into cheese, butter, cream, etc. All products are **certified organic**.
- They were certified as a farm in 2014, set up their own business in 2016 and obtained organic

### Further

### Information

..... to be completed with links when possible

<https://ekologiczne-gospodarstwo-robert-janowski.business.site/>

<https://mleczniepodkaszatanem.pl/materialy-o-nas/>

[https://www.facebook.com/gospodarstwo-mlecznepodkaszatanem/events/?ref=page\\_internal](https://www.facebook.com/gospodarstwo-mlecznepodkaszatanem/events/?ref=page_internal)

<https://nicelocal.pl/lublin-voivodeship/>

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certification for processing.

- The farm and the processing plant are under strict control of the District Veterinary Office in Łęczna.
- Business hours - open 24 hours a day, 21-070 Ludwinów, Ludwinów 68.

shops/  
gospodarstwo\_  
mleczne\_pod\_k  
asztanem\_beat  
y\_i\_roberta\_jan  
owskich/



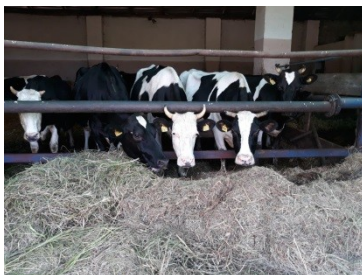
*Photo Source:*

<https://mleczniepodkasztanem.pl/historia/>



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*Photo Source:*  
<https://mleczniepodkasztanem.pl/historia/>



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## ANNEX - STRUCTURE OF MODULE CONTENT TO PREPARE SLIDES

<b>Module Name:</b> <b>The name of the partner:</b> <b>Country:</b>
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<b>The name of the module</b>	
<b>Target group involved</b>	
<b>Current information about the topic</b>	
<b>Principles of the specific module</b>	
<b>Basic terms/measures of the module/topic</b>	
<b>Training materials (tasks, case studies, exercises)</b>	
<b>Short description of the materials</b>	
<b>Link of the online resources (film or video resources)</b>	
<b>Specific images (to support the purpose of the resources)</b>	
<b>Duration</b>	
<b>Materials</b>	
<b>No of Learners/Representatives</b>	
<b>Individual or group work</b>	
<b>Step by step guide</b>	