

# CONTEXT PROFILE

 ROMANIA



## FARMER

Cristina Moldovan



## INNOVATION

Romanian buffaloes; direct selling; in-house processing



[Video](#)



## MAIN DOMAIN OF THE INNOVATION

Animal management



## SOIL TYPE

Clay



## FINANCE/INVESTMENT

Low



## AGROCLIMATIC AREA

Continental south



## MANAGEMENT

Pasture dairy



## MARKET

Local-urban



## CLIMATE

Moderate rainfall



## TECHNICAL

Easy



## SOCIAL

Full-time farmer

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Case Study: RO_13	Agroclimatic Zone								
	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South
Processing milk into different products, sold locally	+++	++	++	++	++	+++	++	++	++
Zero inputs to process milk into products (only salt is added)	+++	+++	+++	+++	+++	+++	+++	+++	+++
Breeding of Romanian buffalos	+++	+++	+++	+++	++	+++	+++	++	++
Grazing green forage 24/24 during summer months in common lands	+++	+	+++	++	++	+++	++	+	+
Milking on a special space, directly on pastures	+++	+	++	++	+++	++	++	+	+
Value chain integration	+	+	+	+	+	+++	+++	+	+

+++ Strong transferability
++ Slightly limited transferability
+ Very limited transferability
× Generic information/not relevant

## Implementation Gaps

- Evaluate if buffalo milking is possible using portable electric mini milking machinery like the one in the link: [Mungitrice per mucche - COW1 - Imbriano srl - elettrica / mobile](#) (with a generator); it could help in increasing the number of animals managed by the farmer.
- Improve the percentage of self-processed milk vs milk sold to processors to retain a higher added value from final products, selling products also to shops.
- Landscape dependent; population density and dependent on the production availability;

## Research Gaps

- Adaptation of Romanian buffalo to high summer temperatures
- Diet requirements
- Adaptability to agroforestry systems
- Milk processing into other products (mozzarella?)
- Impact of grazing animals on biodiversity in common lands

## Suggestions to Adapt

- In dryer and warmer agroclimatic zones grazing in summer will not be possible, maybe switch to winter.
- Maybe to reduce time for bigger farms who want to sell locally but don't have the time to deliver food to doorstep, try delivering to a company who specialises in delivering all groceries at home. Gets more common in our region and it saves the farmer a lot of time.
- For every region a different breed might be interesting, one which is more adapted the agroclimatic zone.
- Certification of the products (PDO; PGI; TSG; Other);

# COST-BENEFIT ANALYSIS

## INVESTMENT COSTS

Total initial investment costs at start up:	low
• Initial authorisation costs (e.g. sanitary, veterinary, etc.)	low
• Initial advisory costs	not applicable/not known
• Initial buildings and machineries	low
• Initial certification costs	not applicable/not known
• Initial working capital (personal qualification, marketing and promotion, etc.)	low

## ON-GOING COSTS

On-going advisory costs	not applicable/not known
On-going certification costs	not applicable/not known
On-going buildings and machinery costs	low
On-going working capital	low

## BENEFITS RELATIVE TO ORIGINAL SYSTEM

### ◦ Economic

Reduction in energy consumption (electricity; fuel consumption)	not applicable/not known
Reduction in input use (fertilizers; pesticides; feed) etc.	high
Payback period	high
Product value added	mid
Additional farm income through agroecological/agri-environmental payment schemes	not applicable/not known

### ◦ Environmental

Animal feed self-sufficiency increase	not applicable/not known
Biodiversity increase	not applicable/not known
Improved nitrogen cycling	not applicable/not known
Soil regeneration	not applicable/not known
Animal health and welfare improvement	not applicable/not known

### ◦ Social

Workload reduction	not applicable/not known
Engagement of young generation	mid

# Literature

## English

- [Infos about Romanian buffalo importance: Particularities of Buffalo breeding in Romania](#)
- [Local cattle breeds in Europe Info about different breeds in different regions](#)

## Videos and webinars from the International Buffalo Federation site

- [Inspiration for research topics, management and buffalo promotion all over the world in: Courses Archivi | International Buffalo Federation](#)