

LIFE for Acid Whey

Reuse of waste acid whey for extraction of high added value bioactive proteins

PROJECT LOCATION:

Ljubljana, Ajdovščina, Domžale

BUDGET INFO:

Total amount: EUR 4,338,251

% EC Co-funding: 59,08

DURATION:

01/07/17 - 30/06/21

PROJECT'S IMPLEMENTORS:

Coordinating Beneficiary:



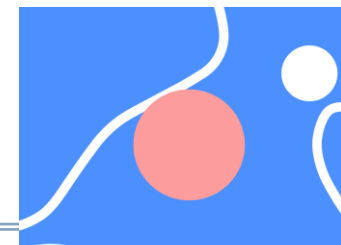
Associated Beneficiary:



Univerza v Ljubljani



INŠTITUT ZA MLEKARSTVO IN PROBIOTIKE
INSTITUTE OF DAIRY SCIENCE & PROBIOTICS



LIFE FOR ACID WHEY



OBJECTIVES & SCOPE:

- Reduction of negative environmental impact of (acid) whey
- Introduction of competitive whey processing technologies to dairies
- Meet uncovered market needs for specific serum proteins

PROPOSED SOLUTION - FURTHER PROCESSING OF WHEY CONSIDERING IT AS A SOURCE OF:

- Proteins / lactose / minerals / water
- Growing media for beneficial microorganisms
- Energy

KEY ACTIONS

- Screening of whey sources (amount, characteristics)
- Optimisation of serum proteins fractionation procedures
- Pilot tests & production in demonstration plant

EXPECTED IMPACTS :

- Processed 13,776m³ of acid/waste whey
- Produced 1,033 kg of Lactoferrin
- Final anaerobic co-digestion of whey and production of 241,000 m³ methane or 1.45 MWh of energy (if not used on other beneficial way)
- Expected revenue from produced LF
- At least two new jobs created at coordinating beneficiary
- Technology up-take by dairies

