



Food and Agriculture
Organization of the
United Nations

Livestock Sector Investment and Policy Toolkit (LSIPT) **WebApp** User manual





Contents

1. Overview

- Context
- Modules

2. Log in

3. Steps of the analysis (create a project)

4. Update the input data of a project



1. Overview

HOW THE LSIPT IS ORGANIZED

A TOOLKIT

Livestock Sector Preparation

- Initial Assessment
- Coalition for Change

Livestock Sector Diagnosis

- Household Level
- National Level

LSIPT WebApp

Livestock Sector Choices

- Strategy, Action Plan and Advocacy
- Monitoring and Evaluation

LSIPT WEBAPP FEATURES



**General Project
Information**



**Typology of
Livestock
Production
Systems**



**Technical and
Financial Analysis**

Location, animal population

Main type

Sub-system

Livestock
Production
System (LPS)

Business-as-
usual scenario

Production

Cost, income

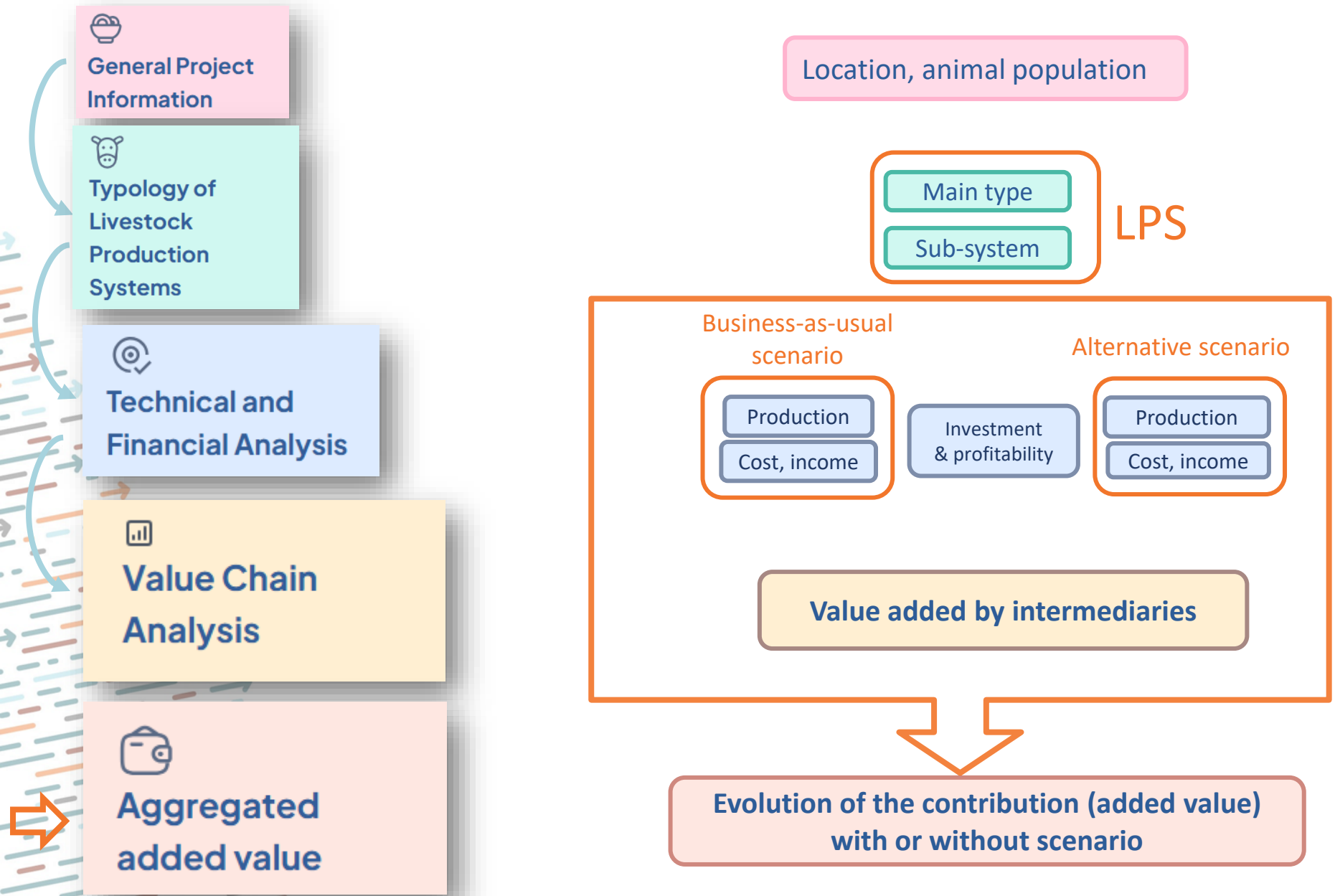
Investment
costs

Alternative
scenario

Production

Cost, income

LSIPT WEBAPP FEATURES (ongoing development)





2. Log in

Log in

Sign in

Email address

Password

Sign in

Don't have an account? [Create an account](#)



Food and Agriculture
Organization of the
United Nations



Sign up



Food and Agriculture Organization
of the United Nations



HOME

Log in to access the home page, where your project list is immediately available.



Food and Agriculture
Organization of the
United Nations

Livestock Sector Investment Policy Toolkit (LSIPT)

Technical
documentation

Select the language
EN, FR, ES

About LSIPT

English

✉ Invitations

⚙ Change Password

🚪 Logout



User

All projects

Search projects

Create a new project

Project Name

Year of Analysis

Date of Creation

Countries

Actions

LIST OF EXISTING PROJECTS

CREATE A NEW PROJECT

STEPS OF THE ANALYSIS

1. Create a project
2. Describe the typology of representative livestock production systems
3. Analyze the performance of production systems (technical and financial)
 - Demographic model
 - Non-demographic model
4. Compare a business-as-usual scenario (BAU) to an alternative scenario

UPDATE THE INPUT DATA

- List of existing projects
- Update project information (e.g., number of animals)
- Update the typology
- Adjust data for production systems



3. Steps of the analysis (create a project)

CREATE A NEW PROJECT

Create a new project

The project name is unique and typically refers to the study area.

The project can cover multiple countries.

The analysis period is set at the project level and will be used for prospective analysis (between 1 and 20 years of projection).

The number of animals (heads) corresponds to the total number of animals by species in the project area.

General Project Information

Name of the Project:

Project name

Countries:

Select countries

Year of analysis:

2024

Number of years of projection (1–20):

Number of years of projection (1–20)

Description:

File Edit View Insert Format Tools Table Help

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System Font

12pt

Paragraph

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P

0 WORDS POWERED BY TINY

Financial Information

Currency:

Exchange to USD:

0.00

1 local currency= X USD

Date of Exchange:

01/01/2021

Animals Information

Cattle:

0

Buffalos:

0

Sheep:

0

Camels:

0

Project Dashboard

← Back to Projects

TYPOLOGY

Save

Project name

Project Dashboard

[← Back to Projects](#)



**General
Project
Information**



**Typology of
Livestock
Production
Systems**



**Technical and
Financial
Analysis**

TYPOLOGY OF PRODUCTION SYSTEMS

Main types

Objective: Identify and describe the main types of production systems of the project and the representativeness of each livestock production system (LPS). The typology of the LPS serves as the entry point for the analysis.

The herds within an LPS share similar production and husbandry practices and are likely to face the same socio-economic challenges and enhancement options.

To characterize the main production systems (types of LPS), the LSIPT proposes using the Seré and Steinfeld classification (1996), which is based on agroecological zones and feed resources. The subsystem (LPS) is the smallest unit of analysis, and the technical and economic performance is analyzed at this level.

Livestock Production Systems Describe subsystems

Swine Cattle Poultry

☒ Enter Number of Animals ☐ Enter Percentage of Animals

Add Production System Type

Product System Type	Number of Animals	Percentage of Animals(%)	Number of subsystems	Action
Specialised	0	0.00	0	
Backyard	0	0.00	0	

Reset Values Save

Main types

- Option 1: Insert the number of animals by type and by species, and the number of associated subsystems
- Save before moving to the description of subsystems

TYPOLOGY OF PRODUCTION SYSTEMS

Main types

Objective: Identify and describe the main types of production systems of the project and the representativeness of each livestock production system (LPS). The typology of the LPS serves as the entry point for the analysis.

The herds within an LPS share similar production and husbandry practices and are likely to face the same socio-economic challenges and enhancement options.

To characterize the main production systems (types of LPS), the LSIPT proposes using the Seré and Steinfeld classification (1996), which is based on agroecological zones and feed resources. The sub-system (LPS) is the smallest unit of analysis, and the technical and economic performance is analyzed at this level.

Livestock Production Systems

Describe subsystems

Swine

Cattle

Poultry

☐ Enter Number of Animals

☒ Enter Percentage of Animals

Add Production System Type

Product System Type	Number of Animals	Percentage of Animals(%)	Number of subsystems	Action
Specialised	0	0.00	0	
Backyard	0	0.00	0	

Reset Values

Save

Main types

- Option 2: Insert the percentage of animals by type and by species, and the number of associated subsystems
- Save before moving to the description of subsystems

TYPOLOGY OF PRODUCTION SYSTEMS

Subsystems

Objective: Describe each livestock production system in the project and its representativeness within the species.

Livestock Production Systems [Describe subsystems](#)

Cattle

Latest Livestock Production Subsystems was created on:

Next step
Edit subsystems

 Edit Subsystems

Production System Type	Sub-System	Average no. of animals per herd	No. of herds/flocks	Heads in Subsystem	Relative importance	Province	Region	Model	Action
Grass Land		0	0	0	0.0%			-	⋮

Create LPS



TyPOLOGY OF PRODUCTION SYSTEMS

Subsystems

Objective: Describe each livestock production system in the project and its representativeness within the species.

Edit Subsystems by Specie ✕

Specie's Details

Describe the LPS by species

Species

Cattle ✓

Specie's Head in the Project

10000

Heads in Subsystems

0

Specie's Relative Importance

0.00

%

Subsystems' Details

Subsystem name

Production System Type

Grass Land

Manually enter 2 values, the third is auto-calculated

Average no. of animals per herd

No. of herds/flocks

Relative Importance

☐ Calculated

☐ Calculated

☒ Calculated

0

0

0

%

Heads in Subsystem

0.00

Province

Region

Model

fattening

Add Subsystem in this Specie

1. Name each LPS (unique)

2. For each LPS, fill in 2 indicators. The 3rd indicator will be automatically calculated.

Reset all Subsystems Values Cancel Save

4. Once you Save, you cannot modify the name of the LPS.

3. Choose the mathematical model (before clicking on calculate)

Optional

TYPOLOGY OF PRODUCTION SYSTEMS

Subsystems

Objective: Describe each livestock production system in the project and its representativeness within the species.

Livestock Production Systems [Describe subsystems](#)

Cattle

Latest Livestock Production Subsystems was created on:

Edit Subsystems

Production System Type	Sub-System	Average no. of animals per herd	No. of herds/flocks	Heads in Subsystem	Relative importance	Province	Region	Model	Action
Grass Land	Grassland subsystem	10.0	1,000.0	10,000.0	100.0%			demographic	⋮

Create or update LPS

Please click on the Create LPS.

Create LPS

5. Last step: create the list of LPS et conduct the analysis

INITIATE THE ANALYSIS OF PRODUCTION SYSTEMS (LPS)

List of livestock production systems (LPS) and steps of the analysis

Back to the project dashboard (all modules)

All projects

Project name

Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
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Assess the technical performance of LPS over the period of projection (number of years) based on herd modelling.

Baseline

First Year Parameters

**DEMOGRAPHIC MODEL
– BASELINE SITUATION**

**NON DEMOGRAPHIC MODEL–
BASELINE SITUATION**

DEMOGRAPHIC MODEL – BASELINE SITUATION

project name / Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

Describe the herd structure either in number of animals or in percentage (%)

Parturition rate:

0.00



Prolificacy rate:

0.0



Percentage of females at birth (%):

0%



Age Class	Class Length (Months)	Nb. of animals	% of animals	Mortality Rate (%)	Offtake Rate (%)
Female Juvenile	0.0	0.0	0.00%	0.0%	0.0%
Female Sub Adult	0.0	0.0	0.00%	0.0%	0.0%
Female Adult	0.0	0.0	0.00%	0.0%	0.0%
Male Juvenile	0.0	0.0	0.00%	0.0%	0.0%
Male Sub Adult	0.0	0.0	0.00%	0.0%	0.0%
Male Adult	0.0	0.0	0.00%	0.0%	0.0%

Dressing percentage (%):

0.0%

Lactation period (days):

0

Milk production per day (liters):

0.0

Total annual production (liters):

0

Calculated automatically

Age Class	Live weight (kg/animal)	Offtake Price	Imported Animal Price	Hides and skins (kg/animal)	Wool (kg/animal)	Organic matter per d
Female Juvenile	0	0	0.0	0.0	0.0	0.0
Female Sub Adult	0	0	0.0	0.0	0.0	0.0
Female Adult	0	0	0.0	0.0	0.0	0.0
Male Juvenile	0	0	0.0	0.0	0.0	0.0
Male Sub Adult	0	0	0.0	0.0	0.0	0.0
Male Adult	0	0	0.0	0.0	0.0	0.0

☐ Initialize LPS



[Back to LPS List](#)

[Save parameters](#)

[Go to Technical Performance Analysis](#)

Then run the model over the years of projection, using the parameters from the base year as a reference.

Enter the parameters (minimum) and save the data

DEMOGRAPHIC MODEL–TECHNICAL PERFORMANCE ANALYSIS (inputs)

project name / Technical Performance And Economic and Financial Analysis / LPS name / Inputs / Technical Performance Analysis

Lps Name – Demographic – Technical Performance Analysis (Baseline)

← Back to Project Dashboard

Input Parameters

Calibrate the model

Modify the input parameters over the years of projection when applies, then save to get the results.

Reproduction

Yearly Class Length (Months)

Yearly Mortality Rates (%)

Yearly Offtake Rates (%)

Yearly Offtake Prices

Animal Imports

Animal Imports Price

Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Parturition rate (per year)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Prolificacy Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Probability of female births (%)	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%

Production

Live Weight (kg/animal)

Hides and Skins (kg/animal)

Wool (kg/animal)

Organic Matter per Day (kg/animal)

Daily Dry Matter Requirement (% per kg live weight)

Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Lactation period (days)	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
Daily milk production (liters/animal)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Annual milk production (liters/animal)	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0	184.0
Meat Dressing percentage (%)	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%

Save Yearly Parameters

DEMOGRAPHIC MODEL–TECHNICAL PERFORMANCE ANALYSIS (outputs)

project name / Technical Performance And Economic and Financial Analysis / LPS name / Inputs / Technical Performance Analysis

Lps Name – Demographic – Technical Performance Analysis (Baseline)

[← Back to Project Dashboard](#)

Results

Key results (last year of projection) to facilitate the calibration phase

Key Results

2039	1.95%	0.121	2.68	61.3%
Year of projection	Growth Rate	Offtake Rate	Adult Females / Adult Males	Sex Ratio

Results by category

Analyze the results

Animal population

Herd Structure

Mortality

Offtake

Imports and potential offtake

Live Weight, Meat and Financial Equivalent

Milk, Hides, Wool, Manure

Feeding

Growth Rate

	Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Female		0.41%	2.50%	2.07%	1.99%	1.95%	1.93%	1.92%	1.92%	1.92%	1.91%	1.91%	1.91%	1.91%	1.91%	1.91%
Male		10.77%	19.75%	12.25%	8.59%	6.34%	4.90%	3.94%	3.30%	2.87%	2.57%	2.37%	2.23%	2.13%	2.06%	2.02%
Total		3.19%	7.47%	5.34%	4.25%	3.52%	3.02%	2.68%	2.44%	2.28%	2.17%	2.09%	2.03%	2.00%	1.97%	1.95%

Graphs of the results

Show/Hide charts

FINANCIAL ANALYSIS

BASELINE

Back

Back to the LPS list

Save and Go to EFA

List of LPS

CREATE A SCENARIO + COMPARE

DEMOGRAPHIC MODEL–FINANCIAL ANALYSIS (inputs)

project name / Technical Performance And Economic and Financial Analysis / LPS name / Inputs / Technical Performance Analysis / **Financial Analysis**

Lps Name - Demographic - **Financial** Performance Analysis (Baseline)

← Back to Project Dashboard

Input Parameters

For each type of cost, provide the **annual** cost (unit price * quantity).

Cost of Feed

Production costs for forage and grass land maintenance

Consumables and small equipment

Taxes and contributions

Domestic costs for economic analysis

Cost of loan for working capital

Annual cost	Number of units	Unit Price
Digestible dry matter (% of feed purchased; price/kg)	0.00	0.0
Concentrates - Female adult (kg/day/animal; price/kg)	0.00	0.0
Concentrates - Sub-adult (kg/day/animal; price/kg)	0.00	0.0
Concentrates - Juvenile (kg/day/animal; price/kg)	0.00	0.0
Concentrates - Male adult (kg/day/animal; price/kg)	0.00	0.0
Additives (kg/day/animal; price/kg)	0.00	0.0
Salt and Minerals (kg/day/animal; price/kg)	0.00	0.0

By default, the unit price will be duplicated over for the entire projection period after saving the parameters.

You can adjust the unit price over the years.

Price over simulation year

Annual cost	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	20
Purchased forage (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Concentrates - Female adult (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Concentrates - Sub-adult (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Concentrates - Juvenile (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Concentrates - Male adult (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Additives (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Salt and Minerals (price/kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

Save Yearly Parameters

DEMOGRAPHIC MODEL–FINANCIAL ANALYSIS (outputs)

Results

Analyze the production costs and income sources per year

- I. Production Costs and general expenses
- II. Income
- III. Income and other financial and economic indicator
- IV. Indicators of vulnerability

Feed costs



Years	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Forage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated feeds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Additives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salts & minerals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Feed Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Download the table of results in CSV format

DEMOGRAPHIC MODEL–FINANCIAL ANALYSIS (outputs)

project name / Technical Performance And Economic and Financial Analysis / LPS name / Inputs / Technical Performance Analysis / Financial Analysis

Lps Name – Demographic – Financial Performance Analysis (Baseline)

[← Back to Project Dashboard](#)

Results

I. Production Costs and general expenses

II. Income

III. Income and other financial and economic indicator

IV. Indicators of vulnerability

Feed costs

Years	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Forage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated feeds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Additives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salts & minerals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Feed Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Graphs of the results

Show/Hide charts

Back

Back to the LPS list

Go to Synthesis

TECHNICAL
ANALYSIS

List of LPS

CREATE A SCENARIO
+ INVESTMENT
+ COMPARE

SYNTHESIS

Project: project name / Technical Performance And Economic and Financial Analysis / Broiler LPS / Inputs

Poultry Broiler LPS – Technical parameters – Base year (Baseline)

[← Back to Project Dashboard](#)

Input parameters

Enter the input parameters

Number of places in the hen house:

Number of production cycles:

0

0

Batch

Initial number of chicks:

Fallowing period (days):

0

0

Age at the transition starting–growth (days):

Mortality during starting period (%):

0

0.0%

Age at the transition growth–finishing (days):

Mortality during growth period (%):

0

0.0%

Age at marketing (days):

Mortality during finishing period (%):

0

0.0%

[Back to LPS List](#)

Generate the results by
production cycle and by year
based on the input parameters.



Initialize LPS

[Go to Technical Performance Analysis](#)

NON-DEMOGRAPHIC MODEL– TECHNICAL PERFORMANCE ANALISYS (inputs)

Broiler model

project name / Technical Performance And Economic and Financial Analysis / Broiler LPS / Inputs / Technical Performance Analysis

Broiler Lps – Broiler – Technical Performance Analysis (Baseline)

← Back to Project Dashboard

Input Parameters

Adjust the input parameters over the years of projection if applicable and save

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Per production cycle															
Number of places in the hen house	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial number of chicks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age at the transition starting – growth (Days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age at the transition growth – finishing (Days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age at marketing (Days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fallowing period (days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mortality during starting period (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mortality during growth period (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mortality during finishing period (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total feed consumption during starting (g/animal for the period)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total feed consumption during growth (g/animal for the period)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total feed consumption during finishing period (g/animal for the period)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proportion of commercial feed (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average live weight of chickens sold (kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average carcass weight of chickens marketed (kg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Home-consumption / Number of chickens per year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number of production cycles (batches) per year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total duration of a production cycle (days)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average number of animals during starting period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average number of animals during growing period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Automatically
calculated values
are not editable

Save Yearly Parameters

NON-DEMOGRAPHIC MODEL– TECHNICAL PERFORMANCE ANALISYS (outputs)

Broiler Results

Results per production year

Broiler model

For a year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Number of production cycles (batches) per year	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Feed consumption during starting period (kg/year)	320.898	320.898	320.898	320.898	320.898	320.898	320.898	320.898	320.898	320.898
Feed consumption during growth period (kg/year)	1926.531	1926.531	1926.531	1926.531	1926.531	1926.531	1926.531	1926.531	1926.531	1926.531
Feed consumption during finishing (kg/year)	1921.427	1921.427	1921.427	1921.427	1921.427	1921.427	1921.427	1921.427	1921.427	1921.427
Total feed consumption (kg/year)	4168.856	4168.856	4168.856	4168.856	4168.856	4168.856	4168.856	4168.856	4168.856	4168.856
Production of broiler chickens (number/year)	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717
Live weight equivalent of chickens produced per year	2063.433	2063.433	2063.433	2063.433	2063.433	2063.433	2063.433	2063.433	2063.433	2063.433
Carcass production (kg carcass/year)	1753.918	1753.918	1753.918	1753.918	1753.918	1753.918	1753.918	1753.918	1753.918	1753.918
Consumption index over live weight (kg feed/kg live weight produced)	2.020	2.020	2.020	2.020	2.020	2.020	2.020	2.020	2.020	2.020
Consumption index over carcass weight (kg feed/kg carcass produced)	2.377	2.377	2.377	2.377	2.377	2.377	2.377	2.377	2.377	2.377
Home-consumption / Number of chickens per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total number of animals present (number of places)	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000
Total number of animals sold and consumed on-farm/year	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717
Average live weight of chickens sold or consumed on-farm (kg)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Animals sold or consumed on-farm/year/place	2.063	2.063	2.063	2.063	2.063	2.063	2.063	2.063	2.063	2.063
Dressing percentage	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%
Offtake rate	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.032

Broiler Results

Results per production cycle

Per production cycle	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Feed consumption starting (kg/cycle)	160.449	160.449	160.449	160.449	160.449	160.449	160.449	160.449	160.449	160.449	160.449	160.449
Feed consumption growth (kg/cycle)	963.266	963.266	963.266	963.266	963.266	963.266	963.266	963.266	963.266	963.266	963.266	963.266
Feed consumption finishing (kg/cycle)	960.713	960.713	960.713	960.713	960.713	960.713	960.713	960.713	960.713	960.713	960.713	960.713
Total feed consumption (kg/cycle)	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428	2084.428
Production of broiler chickens (number/cycle)	515.858	515.858	515.858	515.858	515.858	515.858	515.858	515.858	515.858	515.858	515.858	515.858
Production of live weight (kg live weight/cycle)	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717	1031.717
Carcass production (kg carcass/cycle)	876.959	876.959	876.959	876.959	876.959	876.959	876.959	876.959	876.959	876.959	876.959	876.959

CREATE A SCENARIO + COMPARE

Show/Hide charts

Graphs of the results

FINANCIAL ANALYSIS

BASELINE

List of LPS

Back

Back to the LPS list

Save and Go to EFA

NON-DEMOGRAPHIC MODEL– FINANCIAL ANALYSIS (inputs)

Broiler model

project name / Technical Performance And Economic and Financial Analysis / Broiler LPS / Inputs / Technical Performance Analysis / **Financial Analysis**

Broiler Lps - Broiler - **Financial** Performance Analysis (Baseline)

← Back to Project Dashboard

Input Parameters

For each type of cost, provide the **annual** cost (unit price * quantity).

Cost of Feed

Animal purchases

Consumables and small equipment

Salaried Labour

Taxes and contributions

Domestic costs for economic analysis

Cost of loan for working capital

Annual cost		
	Number of units	Unit Price
Purchased feed for starting (kg/year;price/kg)	0.00	0.0
Purchased feed for growth (kg/year;price/kg)	0.00	0.0
Purchased feed for finishing (kg/year;price/kg)	0.00	0.0
Produced feed for starting (kg/year;cost/kg)	0.00	0.0
Produced feed for growth (kg/year;cost/kg)	0.00	0.0
Produced feed for finishing (kg/year;cost/kg)	0.00	0.0

Valuation of animal products

Type of exchanges

☆ Some input data is automatically calculated based on the technical parameters: the amount of feed, the number of day-old chicks purchased, the quantity of meat produced, and the percentage of meat self-consumed.

NON-DEMOGRAPHIC MODEL– FINANCIAL ANALYSIS (outputs)

Broiler model

project name / Technical Performance And Economic and Financial Analysis / Broiler LPS / Inputs / Technical Performance Analysis / Financial Analysis

Broiler Lps – Broiler – Financial Performance Analysis (Baseline)

← Back to Project Dashboard

Results

Analyze the production costs and income sources per year

I. Production Costs and general expenses

II. Income

III. Income and other financial and economic indicator

IV. Indicators of vulnerability

Feed costs

Years	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Purchased feed for starting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purchased feed for growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purchased feed for finishing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Produced feed for starting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Produced feed for growth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Produced feed for finishing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Download the table of results in CSV format

Filter results by year

CREATE A SCENARIO

Go to the dedicated page listing production systems to create a scenario.

project name / Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

All Livestock Production Systems

Show 10 entries

Search

[Edit Livestock Production Subsystems](#)

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
	Cattle	Grass Land	LPS name	Demographic	1.0		100.0	

Click on Scenarios of the targeted LPS

- Baseline
- Description
- Compare
- Scenarios
- Investments

CREATE A SCENARIO

/ Scenarios

Show 10 entries

Search:

Scenario Name	Sub-System Type	Species	Herd Dynamic	LPS Type	Av Animals per herd/flock	Total Herds in subsystem	Actions
---------------	-----------------	---------	--------------	----------	---------------------------	--------------------------	---------

No data available in table

Showing 0 to 0 of 0 entries

Previous Next

Back to LPS list

New Scenario

Scenario name

Name and create the scenario

Create

Cancel

Modify the
technical
inputs

/ Scenarios

Show 10 entries

Search:

Scenario Name	Sub-System Type	Species	Herd Dynamic	LPS Type	Av Animals per herd/flock	Total Herds in subsystem	Actions
---------------	-----------------	---------	--------------	----------	---------------------------	--------------------------	---------

Scénario 1

Showing 1 to 1 of 1 entries

Previous 1 Next

- First Year Parameters
- Technical Analysis
- Financial Analysis
- Synthesis
- Description
- Delete

COMPARE A BASELINE WITH A SCENARIO

project name / Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

All Livestock Production Systems

Show 10 entries

Search

[Edit Livestock Production Subsystems](#)

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
	Cattle	Grass Land	LPS name	Demographic	1.0	Baseline >	100.0	

Click on Compare for the chosen production system (for demographic model) to compare the baseline with one or more scenarios.

Description

Compare

Scenarios

Investments

COMPARE A BASELINE WITH A SCENARIO

Select tables to compare

Search...



Select tables to compare

Search...



> ☐ Technical Analysis

> ☐ Financial Analysis

[Clear selection](#)

Select scenarios to compare

Search...



2

Select the scenario(s) you wish to compare with the baseline from the dropdown menu.

1

Select the parameters you wish to compare from the dropdown menu.

[Back to the LPS list](#)

3

Compare

Click on Compare

CREATE AN INVESTMENT

Go to the dedicated page for the list of production systems to create an investment.

project name / **Technical Performance And Economic and Financial Analysis**

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

All Livestock Production Systems

Show 10 entries

Search

[Edit Livestock Production Subsystems](#)

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
	Cattle	Grass Land	LPS name	Demographic	1.0	100.0	100.0	

- Baseline
- Description
- Compare
- Scenarios
- Investments**

Click on Investments of the targeted LPS

CREATE AN INVESTMENT

project name / Technical Performance And Economic and Financial Analysis / LPS name : Investments

LPS name - Investments

[← Back to Project Dashboard](#)

Show entries

Search:

Name	LPS	Scenario	Actions
------	-----	----------	---------

No data available in table

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

[↶ Back to TPA & EFA](#)

[+ New Investment](#)



Investment Inputs

The name of the investment is unique.

Investment name:

Loan interest rate (%):

Discount rate (%):

Indicate the investment per beneficiary/producer, or total for all producers of the LPS

Aggregation Level

☒ Farm ☐ Project

Investments in

You can describe the type of intervention funded by the investment project and the amount invested per year.

Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Intervention	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Cost of Investment	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Annual investment amount automatically calculated.

Other Capital

Select the scenario reflecting the impact of the investment project.

Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Donation or aid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Loan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Capital repayment	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Select scenario for investment

Search...

Initiate Investment

CREATE AN INVESTMENT

Results



Analyze the returns of investments

Profitability Of Livestock Production Activities

Farm Level

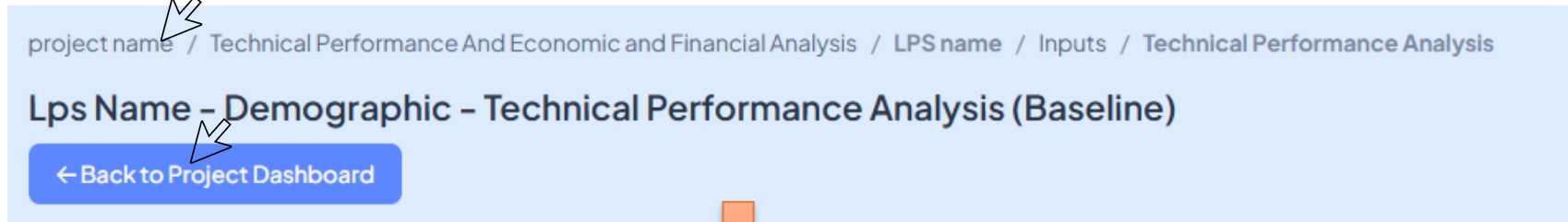
Project Level



Years	2026	2027	2028	2029	2030	2031
Increase in income Meat	2545.35	8502.91	13714.45	16978.92	21012.05	25617.51
Increase in income Milk	22435.28	33215.20	41546.07	26447.13	39515.97	49411.99
Increase in income Hides and Skins	0.00	0.00	0.00	0.00	0.00	0.00
Increase in income Wool	0.00	0.00	0.00	0.00	0.00	0.00
Increase in income Organic Matter	619.99	1709.36	2849.31	3892.34	4721.34	5843.97
Increase in income Animal Draught	0.00	0.00	0.00	0.00	0.00	0.00
Additional revenues linked to investments	25600.62	43427.47	58109.83	47318.39	65249.37	80873.47
Additional costs of production and general expenses	881.71	2209.07	3314.69	5596.99	6172.35	6834.50
Net change in financial flow linked to investments	24718.91	41218.40	54795.14	41721.41	59077.02	74038.98
Costs of investment	286005.00	0.00	0.00	0.00	0.00	0.00
Net change in financial flow before financing	-261286.09	41218.40	54795.14	41721.41	59077.02	74038.98
Costs of funding and subsidies Donation or aid	0.00	0.00	0.00	0.00	0.00	0.00
Costs of funding and subsidies Interest payments	0.00	0.00	0.00	0.00	0.00	0.00
Costs of funding and subsidies Additional cost of loan for working capital	0.00	0.00	0.00	0.00	0.00	0.00
Net change in financial flow after financing*	-261286.09	41218.40	54795.14	41721.41	59077.02	74038.98
Cumulative increase in financial flow after financing	-261286.09	-220067.69	-165272.55	-123551.14	-64474.13	9564.85
Net present value (NPV) before financing	-261286.09	-222142.31	-172724.30	-136990.94	-88939.65	-31749.85
Internal rate of return (IRR) before financing	0.000	-84.22%	-45.64%	-26.33%	-10.07%	1.11%
Net present value (NPV) after financing	-261286.09	-222142.31	-172724.30	-136990.94	-88939.65	-31749.85
Internal rate of return (IRR) after financing	0.000	-84.22%	-45.64%	-26.33%	-10.07%	1.11%

GO BACK TO THE PROJECT DASHBOARD

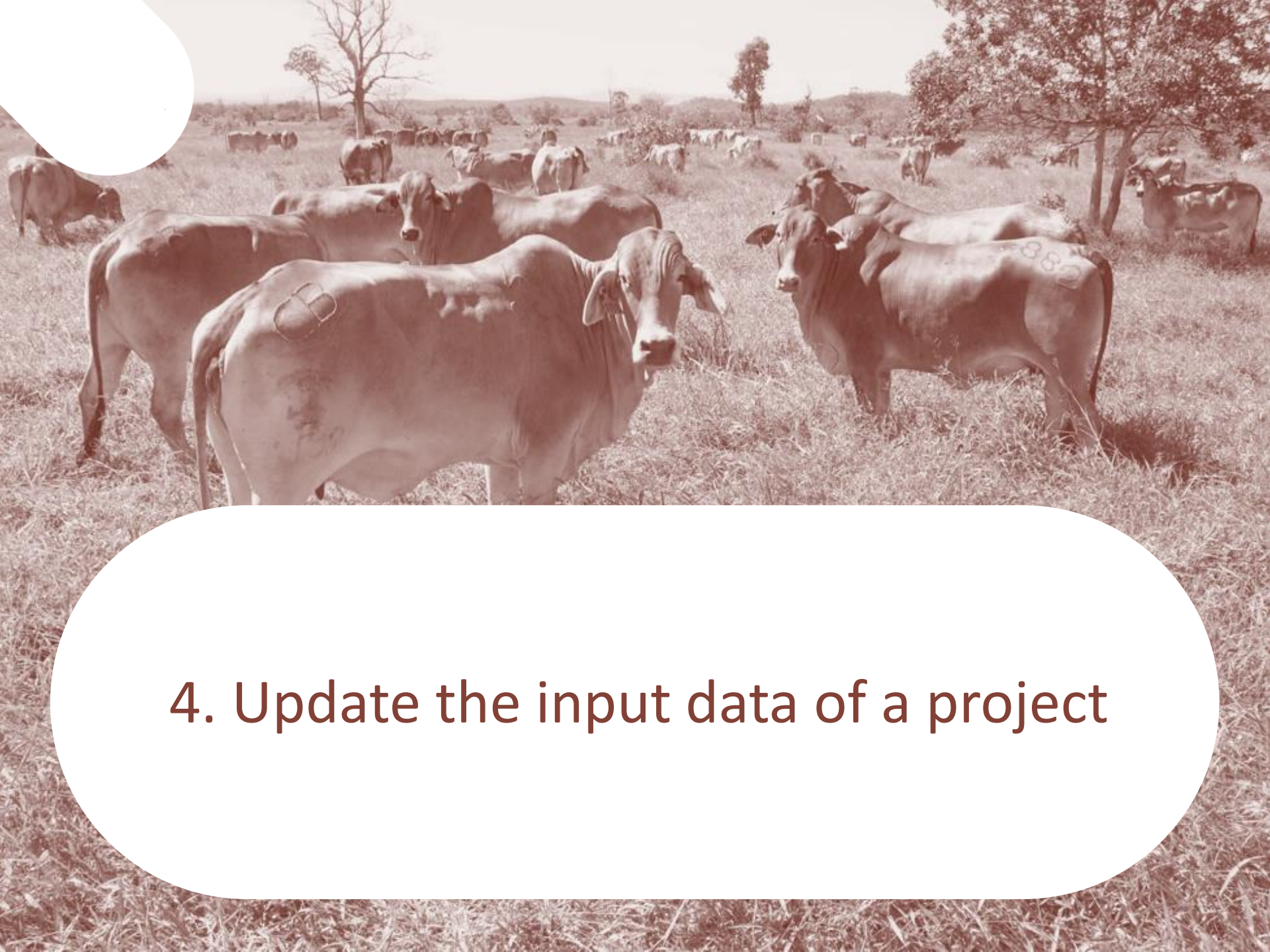
Click on the project name regardless of the page you are on, or the 'Back to Project Dashboard' button.



Information of the project (including total number of animals)

Typology

Analyze the LPS



4. Update the input data of a project

LIST OF EXISTING PROJECTS

project name

Project Dashboard

← Back to Projects



Retrieve and access all existing projects by clicking on “Back to Projects”.

All projects

Search projects

Create a new project

Project Name

Year of Analysis

Date of Creation

Countries

Actions

UPDATE PROJECT INFORMATION (2 options)

Option
1

From the home page

Example : change the number of animals in the project

All projects

Search projects

Create a new project

Project Name	Year of Analysis	Date of Creation	Countries	Actions
2024 Project name				Edit Project Information Invite User Delete Project

project name / Edit

Edit Project

Save

Option
2

From the project dashboard

project name

Project Dashboard

← Back to Projects



General
Project
Information



Typology of
Livestock
Production
Systems



Technical and
Financial
Analysis

project name / Edit

Edit Project

Save

EDIT THE TYPOLOGY OF LPS (2 options)

Option 1

From the project dashboard

project name

Project Dashboard

← Back to Projects



General
Project
Information



Typology of
Livestock
Production
Systems



Technical and
Financial
Analysis

Go to the LPS typology

Typology of Livestock Production Systems

Livestock Production Systems

Describe subsystems

Sheep

Swine

Cattle

Poultry



Enter Number of Animals



Enter Percentage of Animals

Add Production System Type

Product System Type

Number of Animals

Percentage of Animals(%)

Number of subsystems

Action

No changes can be made to the representativeness of the main systems (types).

Modifications will be reflected based on the typology of the subsystems (LPS).

EDIT THE TYPOLOGY OF LPS

Option 1

From the project dashboard

Livestock Production Systems

[Describe subsystems](#)

Sheep

Swine

Cattle

Poultry

Edit Subsystems

Edit Subsystems by Specie



Specie's Details

Species	Specie's Head in the Project	Heads in Subsystems	Specie's Relative Importance
Cattle	120	60	50.00 %

Subsystems' Details

Add Subsystem in this Specie

Add an LPS

Subsystem name

LPS name

Production System Type

Province

Region

Model

demographic

Manually enter 2 values, the third is auto-calculated

Average no. of animals per herd No. of herds/flocks Relative Importance

☐ Calculated

120.0

☐ Calculated

0.5

☒ Calculated

50.00

%

Heads in Subsystem

60.00

Delete an LPS



Reset all Subsystems Values

Cancel

Save

For each LPS, you can adjust the parameters then Save

EDIT THE TYPOLOGY OF LPS

Option 2

From the project dashboard and the list of LPS

project name

Project Dashboard

← Back to Projects



General
Project
Information



Typology of
Livestock
Production
Systems



Technical and
Financial
Analysis



EDIT THE TYPOLOGY OF LPS

Option 2

From the project dashboard and the list of LPS

project name / Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

All Livestock Production Systems

Show 10 entries

Search

[Edit Livestock Production Subsystems](#)

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
	Cattle	Grass Land	LPS name	Demographic	1.0	100.0	100.0	⋮

EDIT THE TYPOLOGY OF LPS

Option 2

From the project dashboard and the list of LPS

Livestock Production Systems

[Describe subsystems](#)

Sheep

Swine

Cattle

Poultry

Edit Subsystems

Edit Subsystems by Specie



Specie's Details

Species

Cattle



Specie's Head in the Project

120

Heads in Subsystems

60

Specie's Relative Importance

50.00

%

Subsystems' Details

Add Subsystem in this Specie

Add an LPS

Subsystem name

LPS name

Production System Type

Province

Region

Model

demographic

Manually enter 2 values, the third is auto-calculated

Average no. of animals per herd No. of herds/flocks Relative Importance

☐ Calculated

120.0

☐ Calculated

0.5

☒ Calculated

50.00

%

Heads in Subsystem

60.00



Delete an LPS

Reset all Subsystems Values

Cancel

Save

For each LPS, you can adjust the parameters then Save

EDIT THE PRODUCTION SYSTEM PARAMETERS

project name

Project Dashboard

[← Back to Projects](#)



General
Project
Information



Typology of
Livestock
Production
Systems



Technical and
Financial
Analysis



Go to the list of LPS, change the baseline or the scenario

project name / Technical Performance And Economic and Financial Analysis

Technical Performance and Economic and Financial Analysis

[← Back to Project Dashboard](#)

All Livestock Production Systems

Show 10 entries

Search

Baseline >

Description

Compare

Scenarios

Investments

[Edit Livestock Production Subsystems](#)

Date of creation	Species	Main system	Subsystem	Herd Dynamics	Total Herds in subsystem	Av Animals per herd/flock	Total Number of heads	Actions
10/09/2025	Cattle	Grass Land	LPS name	Demographic	1.0	100.0	100.0	



For further assistance, contact us at LSIPT@fao.org