

# Development of a method for assessing the resilience of milk production to change – focusing on resilience, recovery and renewal

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We are developing a method for assessing the resilience of dairy production, combining statistical data and stakeholder views to examine resilience, recovery and renewal.

## The need to develop an evaluation method

Food systems face increasing challenges

- Climate change, geopolitical tensions, economic uncertainty
- Securing food availability requires developing the resilience of food systems to change.
- A systematic assessment method helps identify and improve the dairy sector's ability to buffer, recover, adapt and adapt to disruptions and changes.

**Immunity**

- Anticipation
- Bumpers
- Preparation
- **Backup power** ⚡

**Recovery**

- Backup systems
- Corrective actions
- Continuity
- **Automatic reset** ⚡

**Recurrence**

- Adaptation
- Learning
- Change
- **Investing in new energy system** ⚡

**Figure 1.** The components of resilience assessment and an example shown in orange of how resilience, recovery and renewal are linked to a power outage



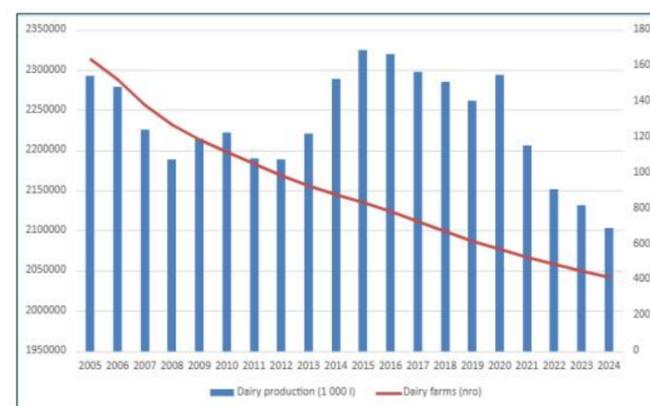
The assessment method will be piloted in the milk supply chain from production to processing during the current winter.



The pilot phase includes a survey and workshop section. The workshop will jointly review survey results, statistical indicators describing the development of the dairy sector, and stakeholder views.



Data integration illustrates the strengths, vulnerabilities and hidden shortcomings of the dairy sector



**Figure 2.** Example of a quantitative indicator: development of milk production volume and number of dairy farms in Finland.

- Expected results:**
- Reveals statistical data and differences between stakeholder perceptions
  - Enables the identification of weaknesses and identifying areas for improvement
  - Supports strategic planning and resilience in the dairy sector confirmation