# Milk - new research and product development innovations (Milk-Inno)

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### Implications (Text of paper: Verdana 10 pt)

### The aim of Milk-Inno research is to investigate the effect of biological and non-biological factors on milk composition, particularly on bioactive components, as well as health effects.

### Background and objectives

Milk production is the most significant industry in Finnish agriculture and milk production is a major sector of the food export in Finland. In the 20th century development of a trend, where the producers create customized and quality assured raw materials for processing industry begun. The development of specialized products intended for specific target groups still continues. The general tendency is to create add-value to food production and food technology export. This trend covers also milk production and processing. To ensure the competitiveness of the whole dairy production chain through the changes will require a better understanding of the impact of different production and processing systems along the whole chain.

### Key results and discussion

The research has started late 2016. Milk samples have been collected and all the analyses are going on. Data analyses will be done during 2017-2018.

### How work was carried out?

The project is divided to three parts which concentrate on feeding, processing and health. Research is conducted using state-of-the-art methods. The milk is collected from another research project, where cows go through three different types of diet: i) low-energy "low-input" -diet with grass silage with a high proportion, ii) organic feed like a diet, where the share of the domestic source of proteins (red clover) is a large and iii) a high-energy " the high-input "-diet with the cereal-based compound feed with a high proportion.

**References (Verdana 9 pt)**

Moshiree B. Case Presentation Illustrating Use of Wireless Motility Capsule, 2010, Joint International Neurogastroenterology and Motility Conference.