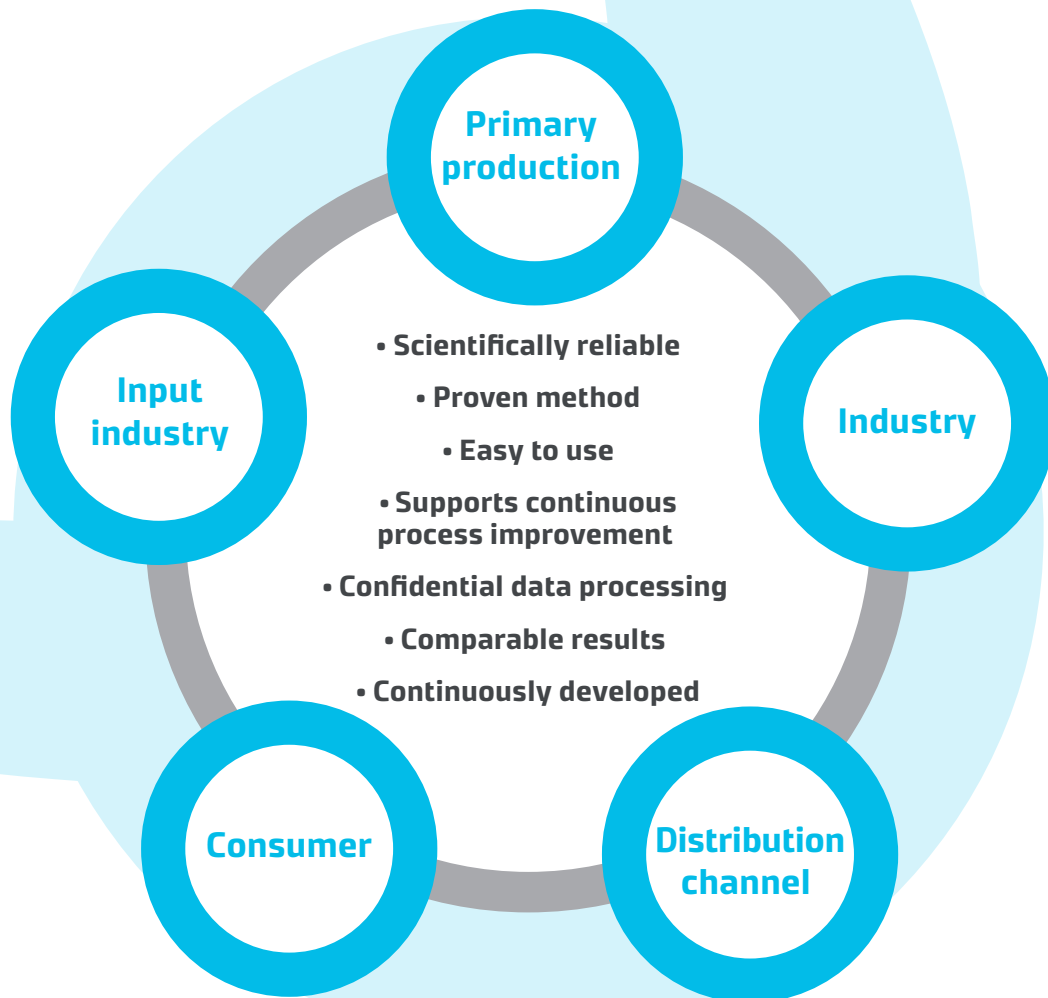




# EcoModules

Connecting partners, improving environmental performance



*Does your customer expect information on the life cycle impacts of your products?*

*Do you need to know more about the environmental impacts of your products and processes?*

*Do you want to get that information cost-effectively and reliably?*

The EcoModules service is an empowered life cycle assessment (LCA) tool for businesses in the bio-economy that helps you stay one step ahead.

A major need in LCA is for extensive and confidential data across the production chain - **EcoModules** meets this need by modular calculation and respecting autonomy and data ownership of actors in the chain.

LCA also demands special knowledge of production and related environmental impact assessment processes

- **EcoModules** meets this demand by forming a co-creation platform for companies and science.

LCA demands time and resources

- **EcoModules** meets these demands through automation and centralized calculation, without sacrificing data specificity or quality.

## ECOMODULES CONSISTS OF

- EcoModules calculation services
- EcoModules data distribution services
- EcoModules customer-tailored applications

## ECOMODULES IS BASED ON

- shared scientific calculation rules
- secured confidential data processing
- validation of calculation processes

## ECOMODULES ENABLES

- LCA based on real primary data
- production of comparable results
- value creation along the value chains
- follow-up of the environmental performance of processes

## BENEFITS TO USERS

### INPUT INDUSTRY

- Sustainable products
- Building the company image
- Improved processes
- Supports environmental management by expanding data production to other parts of the production chain

### PRIMARY PRODUCTION

- Sustainable products
- Building the farm image
- Process improvements
- Cost savings
- Extends data production of environmental management system
- Strengthens customer relationships
- Added value and higher price for products

### INDUSTRY

- Sustainable products
- Building the company image
- Process improvements
- Cost savings
- Extends data production of environmental management system
- Strengthens customer relationships
- Added value and higher price for products

### DISTRIBUTION CHANNEL

- Sustainable own label products
- Building the company image
- Process improvements
- Cost savings
- Extends data production of environmental management system
- Strengthens customer relationship
- New service products

### CONSUMER

- Supports product choices
- Management of environmental impacts of consumption practices
- Supports systematic management of household economy



# EcoModules SERVICE SOLUTIONS

## Bioeconomy Companies

- primary production and industry

Luke offers customer-tailored EcoModules applications, which are linked to companies' processes, data flows and environmental development goals. Applications are based on Luke's LCA expertise and knowhow.

Applications can be tailored to satisfy also other management needs beyond LCA, such as cost accounting.

## Solid Service and Support

Luke maintains EcoModules calculation services.

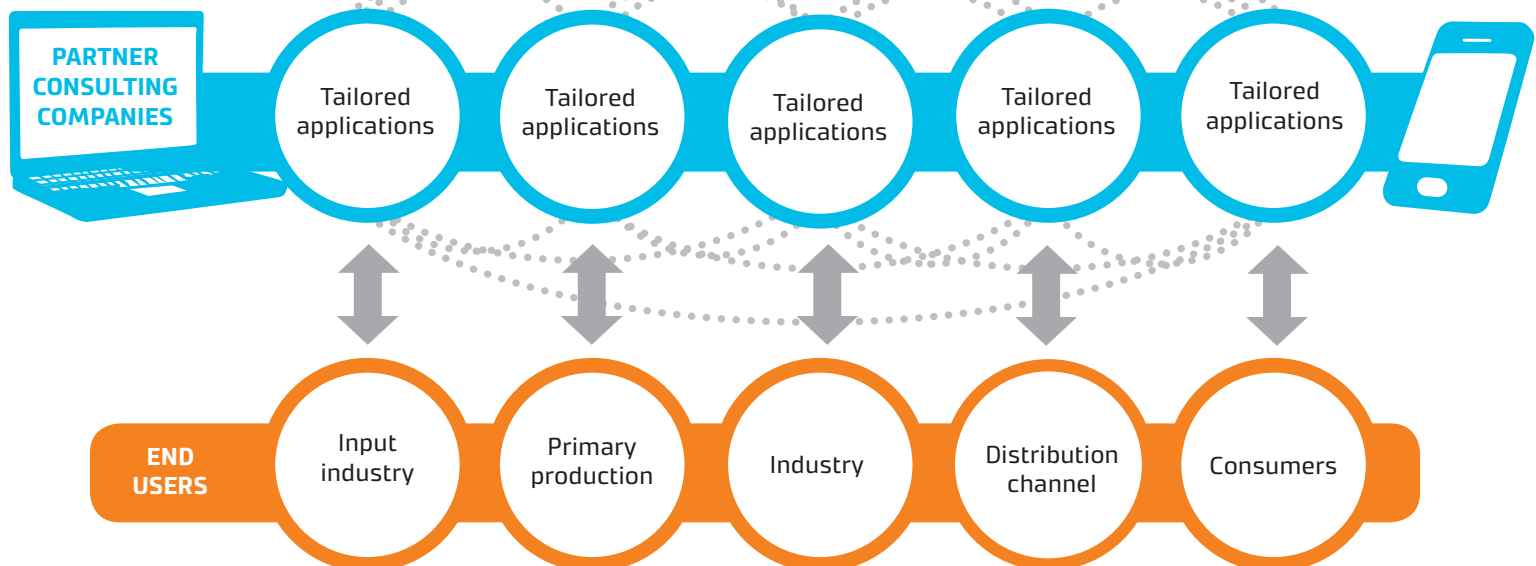
To support EcoModules solution Luke offers services for interpretation of LCA results for planning next steps in companies' environmental and sustainability development.



Source information

LCA results

Results of emission calculation



POWERED BY LUKE



# EcoModules

## CONTACT

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” EcoModules  
builds positive  
company images  
and supports marketing  
communications.”

*Juha-Matti Katajajuuri,  
Customer manager*



[www.luke.fi/ecomodules](http://www.luke.fi/ecomodules)

Luke is also seeking partners to develop the EcoModules business, and offers licenses to develop partner-specific EcoModules customer applications and business.