Luke in Brief
Research, Statutory Services and Statistics in Numbers in 2017
Natural Resources Institute Finland (Luke) supports sustainable development through research on forestry, agriculture, food, game, and fisheries.

SCIENCE

68 EU funded projects

574 Scientific peer reviewed articles

STATISTICS

49 → 158 Statistics › releases

STATUTORY SERVICES

110 The annual tree growth in Finland’s forest is 110 million cubic meters according to the latest National Forest Inventory measurements.

11 Game population assessments

7 Estimates of fish stocks

CONSERVATION OF GENETIC RESOURCES:
21 animal breeds, 13 tree species, 19 fish species and 952 accessions

PERSONNEL

1284 employees
640 women
644 men

711 Research staff
45 professors
573 Other experts

EU funded projects

Top news per month

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<th>JAN</th>
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<td>New method recognises tree species automatically</td>
<td>Harvesting cyprinid fish helps mitigate eutrophication</td>
<td>Organic production is more profitable than conventional agricultural production</td>
<td>A new Center of Excellence in research unlocking the added value of algae</td>
<td>Barley genome cracked: a scientific breakthrough</td>
<td>Finnish know-how helps the world keep track of its forests</td>
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CUSTOMER SATISFACTION

58 net promoter score

458 468 visitors at luke.fi

FUNDING

119 M€ Turnover

38 M€ External

31 M€ Statutory services

24 M€ Budget

7 M€ External

TOP RESEARCH INFRA

Research Forests, Fields and Greenhouses
Recircular aquaculture system (RAS)
Bioruukki biomass fractionation platform
Biogas facilities and pilot plant
CowLab®
InsectLab
Food processing pilot plant

INTERNATIONAL ACTIVITIES

New signed cooperation agreements

TOP 3 STATISTICS BY POPULARITY

I Volumes and prices in industrial roundwood trade
II Producer Prices of Agricultural Products
III Crop Production Statistics

INTERNATIONAL ACTIVITIES

New signed cooperation agreements

JUL
FAO Global Forest Resources Assessment 2020 expert consultation in Joensuu

AUG
Big Data is transforming forestry

SEP
Transforming wood into food

OCT
Efficient nutrient recycling calls for a policy reform

NOV
Natural forest products taste good, make you move and keep you healthy

DEC
Climate change related statistics serve fact-based decision making
SCIENCE BASED KNOWLEDGE THROUGH RESEARCH PROGRAMMES

GreenBio
- Genomics and breeding
- Sustainable biomass production
- Forest resources and operations
- Forest products and biorefinery

InnoFood
- Genomics and breeding
- Sustainable and competitive plant production
- Sustainable and competitive animal production
- Value-added food and aquabiomass products

BioSociety
- Bioeconomy markets and business
- Bioeconomy policies
- Sustainability and wellbeing in bioeconomy

BlueBio
- Genomics and breeding
- Blue production
- Sustainable use of aquatic ecosystems
- Value-added food and aquabiomass productions

FOCUSED ON VOLUME
- GreenBio: 28 M€
- InnoFood: 18 M€
- BioSociety: 12 M€
- BlueBio: 9 M€

Statutory services
- Field crop production, Plant protection, Horticultural production
- National Forest Inventory, Forest resources and biomass estimation, Tree breeding programmes
- Forest damage assessments, Forestry water loadings
- Timber measurement at mills, Forest Sector Economic Outlook
- Greenhouse gas inventory, Genetic resources programmes, Non-native species monitoring, Finnish Centre for Animal Welfare
- Monitoring and population estimation of large carnivores
- Monitoring and population estimation of deer and small wild game
- Reindeer pasture inventory
- Monitoring of fish stocks
- Profitability assessments of agriculture and horticulture

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