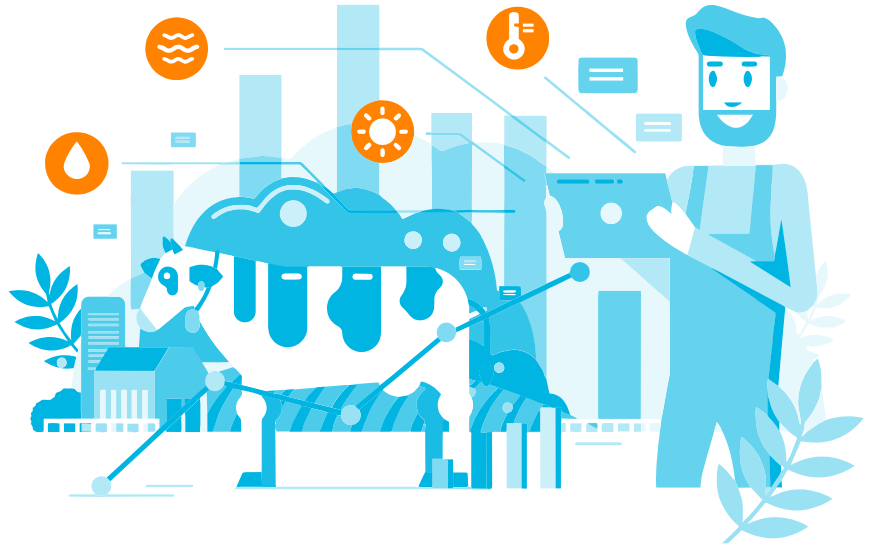


# Current trends and activities in Finnish aquaculture

Jouni Vielma, SUBMARINER Aquaculture Working  
Group meeting 26.5.2021

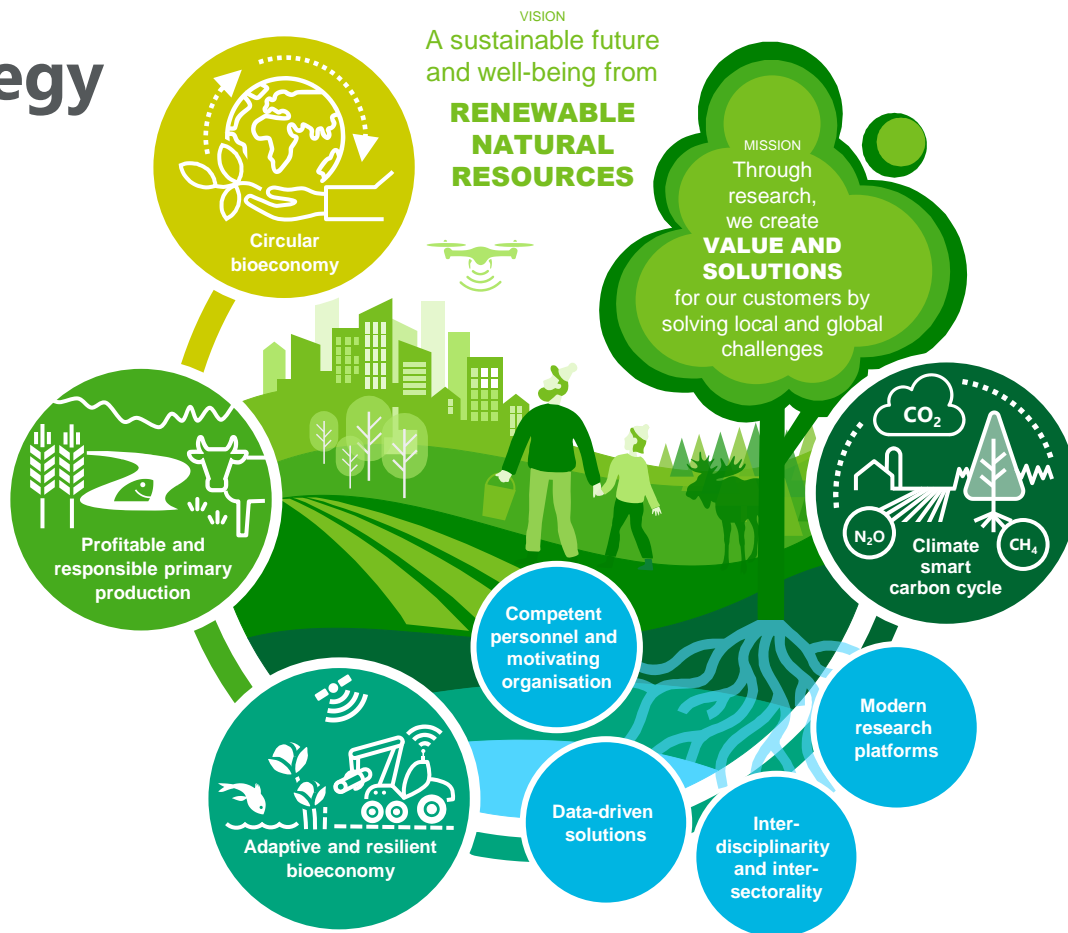
# Luke in brief

- Natural Resources Institute Finland (Luke) is a research and expert organization with expertise in renewable natural resources and sustainable food production.
- Through research, we create value and solutions for our customers by solving local and global challenges.
- Our strengths are in sustainable production and use of natural resources and thorough knowledge of bio-based raw materials.



- Luke has about 1,300 employees, about half are researchers. We operate at 23 locations throughout Finland.

# Strategy



**125** M€

Turnover

**73** M€

Budget funding

**52** M€

External funding\*

**23**

Locations in Finland

HQ in Helsinki

Present in 12 campuses with  
universities, research institutes and  
polytechnics

**1266**

Employees

42 research professors

607 researchers

617 other specialists

*\* Includes profits from co-funded, collaboration and customer-funded projects and other income. Figures are from the year 2019.*

	<b>Marine farming</b>	<b>RAS farming</b>
<b>Business development</b>	<ul style="list-style-type: none"> <li>• Operations are starting at 1000, 600 and 800 tn cage farms</li> <li>• Permit applications and preparations for further offshore cage farms ongoing</li> <li>• Baltic herring-based feed in use</li> </ul>	<ul style="list-style-type: none"> <li>• Two companies ended production during the winter and financial results of the remaining ones still on red in most</li> <li>• 3000 tn licence approved</li> <li>• 1700 tn licence in process</li> <li>• Other ongoing pre-planning</li> </ul>
<b>R&amp;D</b>	<ul style="list-style-type: none"> <li>• Heavy emphasis on environmental modeling and monitoring of large farms to ensure alignment with legislation</li> <li>• Submerged cage observations</li> <li>• Family breeding program</li> <li>• Combination of RAS &amp; offshore</li> </ul>	<ul style="list-style-type: none"> <li>• Various new systems and water treatment procedures being studied</li> <li>• Off-flavor issues high on agenda</li> <li>• Family breeding program</li> <li>• Combination of RAS &amp; offshore</li> </ul>

