



Welcome! Sustainable Livestock Farming in Finland

#sustainablelivestock



Programme

#sustainablelivestock

Coffee and introduction to the agenda,

Max Schulman, Moderator, Senior Advisor, MTK

Welcoming words,

Elsi Katainen, MEP

Keynote speaker

Sari Essayah, Minister of Agriculture and Forestry, Finland

Examples from Finland and insights to sustainable livestock farming

Johan Åberg, Director, MTK

MEP's view

Thomas Waitz, MEP

The role of sustainable livestock production in the future CAP

Wolfgang Burtscher, Director-General, European Commission, DG Agri

Dairy and meat industry perspectives. Sustainability is key in Food industry

Hanna Hiekkamies, Senior Vice President, Group Sustainability, Valio Ltd.

Risto Lahti, Vice President, Public Affairs, Atria Ltd.

Discussion and conclusions





Elsi Katainen

MEP
European Parliament



Sari Essayah

Minister of Agriculture and Forestry
Finland



FINLAND – POSSIBILITIES FOR SUSTAINABLE FARMING -video



Johan Åberg

Director
MTK, Central Union of Agricultural
Producers and Forest Owners
Finland



Sustainable Livestock Farming in Finland



“Finland has plenty of space, water and knowhow for sustainable animal production, even to grow it considerably.”



”Animal health and welfare are crucial to Finnish livestock farming and the most important weapon in fighting antibiotic use.”



Finnish farmers are committed to animal health and welfare

- The national animal welfare scheme (CAP) and legislation, as well as voluntary schemes by milk and meat buyers support their commitment.
- Finnish animal production is salmonella free and its antibiotic usage is very low.

One Health = One Welfare



**“Finnish broilers
have one of the
healthiest
footpads in
Europe.
Antibiotics have
not been used in
15 years.”**



Livestock Healthcare

- **NASEVA and SIKAVA** voluntary health care registers
 - ✓ Veterinarians monitor the welfare of cattle and pigs
 - ✓ Almost all farms are committed
- **Food processors** require animal healthcare



Animal transport is adapted to harsh conditions by using expertise and technology


- Livestock transport staff are trained professionals
- All equipment is designed to accommodate animal needs e.g., continuous temperature regulation and adequate space
- Combination of knowhow and technology ensures animal wellbeing during transport



“Finnish pigs keep their tails. It requires enough feeding space and minimising stress factors.”

“Finnish farmers pay great attention to the climate impact of their production.”





**“Without grazing
cattle and
sheep, many
threatened natural
habitats would be
lost”**

Continuous work towards greater sustainability (Strategic Dialogue)

- It is essential to support livestock farming towards greater sustainability while recognising and accelerating efforts already made.
- Financial support also outside the CAP for sustainable practices, investments, technologies, advice and education is needed.
- Healthy and sustainable diet is balanced. Both plant and animal based foods are needed to ensure a sustainable food system.
- Level playing field:
 - Stronger enforcement of existing EU legislation
 - Coherence between trade policy and sustainability requirements



Thank you for your
attention!

[Mtk.fi/sustainable-
livestock](https://mtk.fi/sustainable-livestock)



Discussion



Thomas Waitz

MEP
European Parliament



Wolfgang Burtscher

Director General
European Commission
DG Agri



Hanna Hiekkamies

Senior Vice President,
Group Sustainability
Valio Ltd.



VALIO REGENERATIVE AGRICULTURE

AGENDA

- ✦ Valio's climate program and carbon footprint calculation at Dairy farms
- ✦ Sustainability bonus Program 1+2 cent/ milk litre
- ✦ Manure biogas is part of Agriculture's green transition

Sustainable livestock farming, examples from Finland
Hanna Hiekkamies
24.9.2024



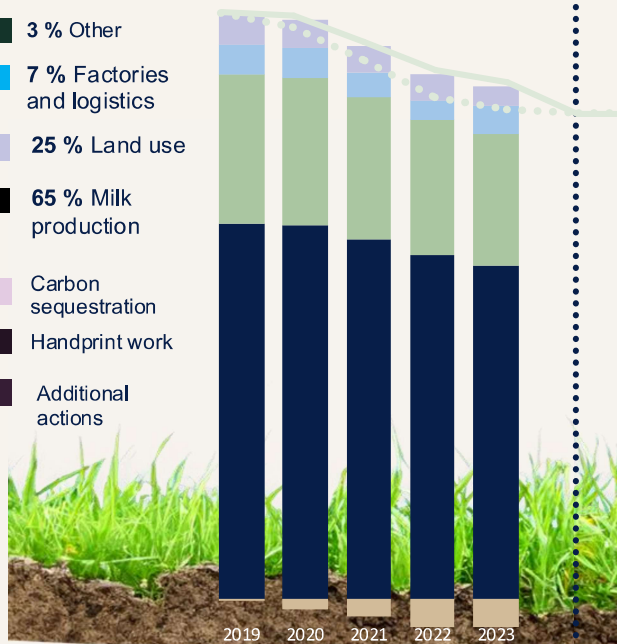
VALIO CLIMATE PROGRAM CONSISTS OF CONCRETE ACTIONS

TO CUT THE CARBON FOOTPRINT OF MILK TO ZERO BY 2035

Valio's climate impacts

3 Mt CO₂e/y (2019)

- 3 % Other
- 7 % Factories and logistics
- 25 % Land use
- 65 % Milk production
- Carbon sequestration
- Handprint work
- Additional actions



Realized emissions & removals 2019-2023

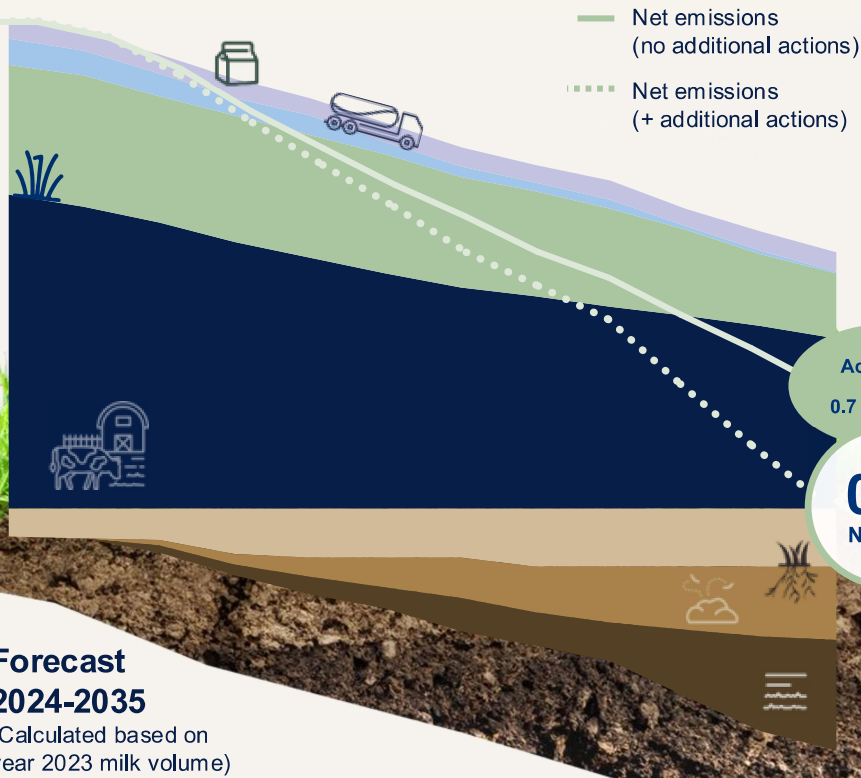
Emissions -12 % (no removal)
Net emissions -17 % (removals accounted)

Forecast 2024-2035

(Calculated based on year 2023 milk volume)

2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035

Targeting net zero climate impacts from milk value chain by 2035



Action gap 2035
0.7 Mt CO₂e/y

0 %
Net zero

Share of Climate Program actions

- 0,4 % Packaging materials and other raw materials
- 7 % Valio's renewable energy and energy efficiency
- 13 % Peatland emissions reductions
- 31 % Climate actions at farms
 - Animal welfare, feed and breeding
 - Methane decomposition from barn air
 - Renewable energy and energy efficiency
 - Nutrient efficiency and circular economy (manure)
- 12 % Carbon farming in fields and carbon sequestration technologies
- 15 % Handprint work e.g. restoration and biogas in transport
- 22 % Need for additional actions e.g. new technologies

2,200 (65%) VALIO DAIRY FARMS HAVE CALCULATED THE CARBON FOOTPRINT OF THE RAW MILK THEY PRODUCE

- ✦ Farms use the **Valio Carbo® Farm Calculator** to calculate their carbon footprint and find ways to reduce it.
- ✦ Valio's calculation model has been **certified by the Carbon Trust.***
- ✦ Climate-smart production also generates financial savings for the farm.

*Model outputs do not constitute a certified product/organisation footprint.



Carbon footprint of raw milk from Valio's dairy farms 0.8–1.3 CO₂e/ milk kilo

Global average 2.5 CO₂e/ milk kilo (FAO)



VALIO PAY ITS DAIRY FARMER OWNERS, THROUGH COOPERATIVES, NEARLY 50 MILLION EUROS ANNUALLY FOR SUSTAINABILITY ACTIONS

- ✦ All Valio dairy farms have committed to Sustainability bonus Program.
- ✦ The program consists of the basic bonus of 1 cent/milk litre, paid to all dairy farms, and the additional 2 cents/milk litre for voluntary actions.
- ✦ Receiving the basic bonus requires, e.g., that the dairy farm entrepreneur has joined Naseva, the Centralised Health Care Register for Finnish Cattle Herds, and has a healthcare agreement with a veterinarian who monitors the health of the herd.



Sustainability
bonus
**1+2 cents/
milk litre**

TOP 5 VOLUNTARY ACTIONS

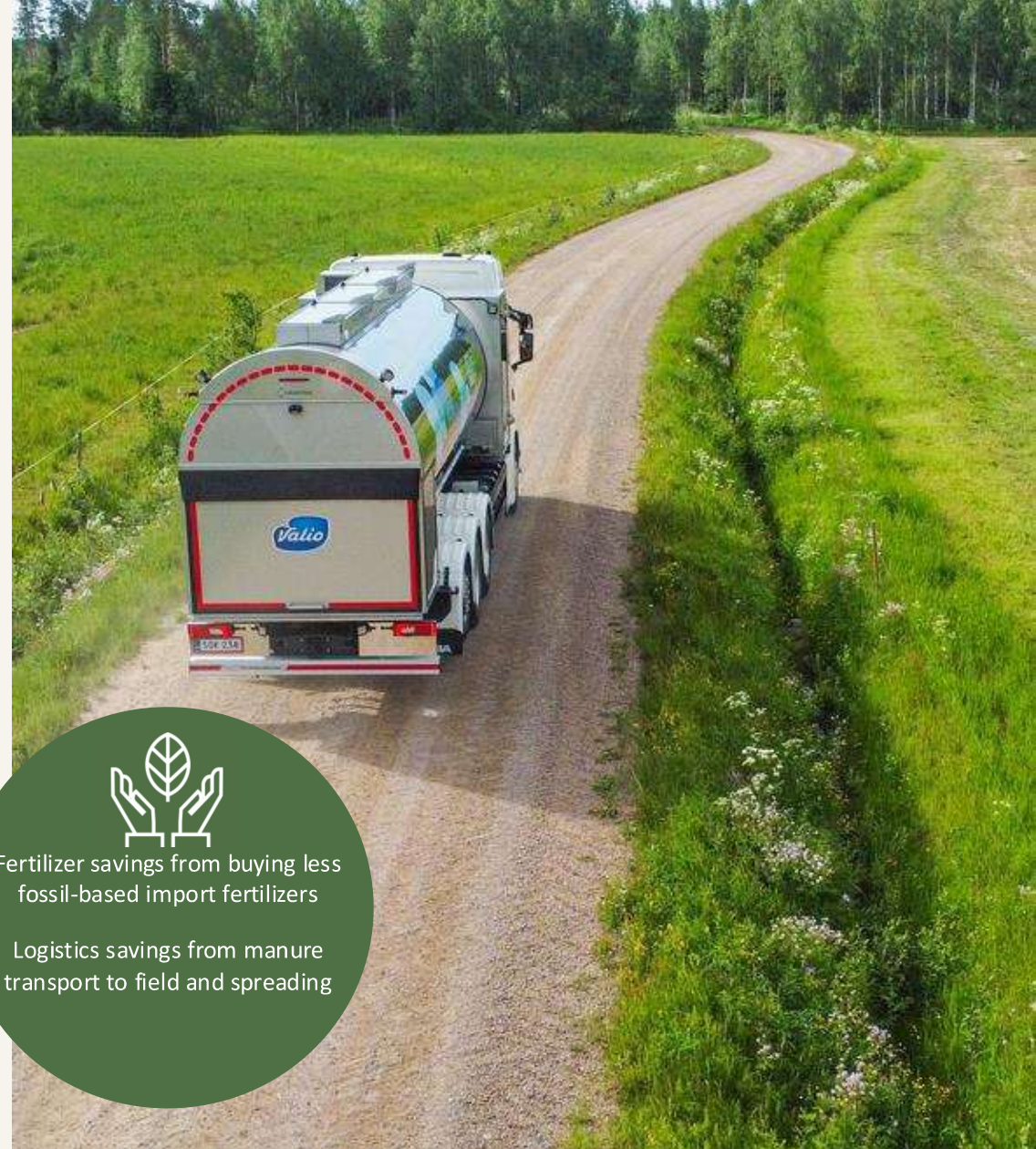
- ✦ Animal grazing and access to outdoor activity
- ✦ Valio Carbo® Farm calculator reporting
- ✦ Carbon farming practices
- ✦ Biodiversity area
- ✦ Carbon farming training



VALIO AND ENERGY COMPANY ST1 ESTABLISHED A JOINT VENTURE, SUOMEN LANTAKAASU* TO PRODUCE RENEWABLE BIOGAS FROM MANURE

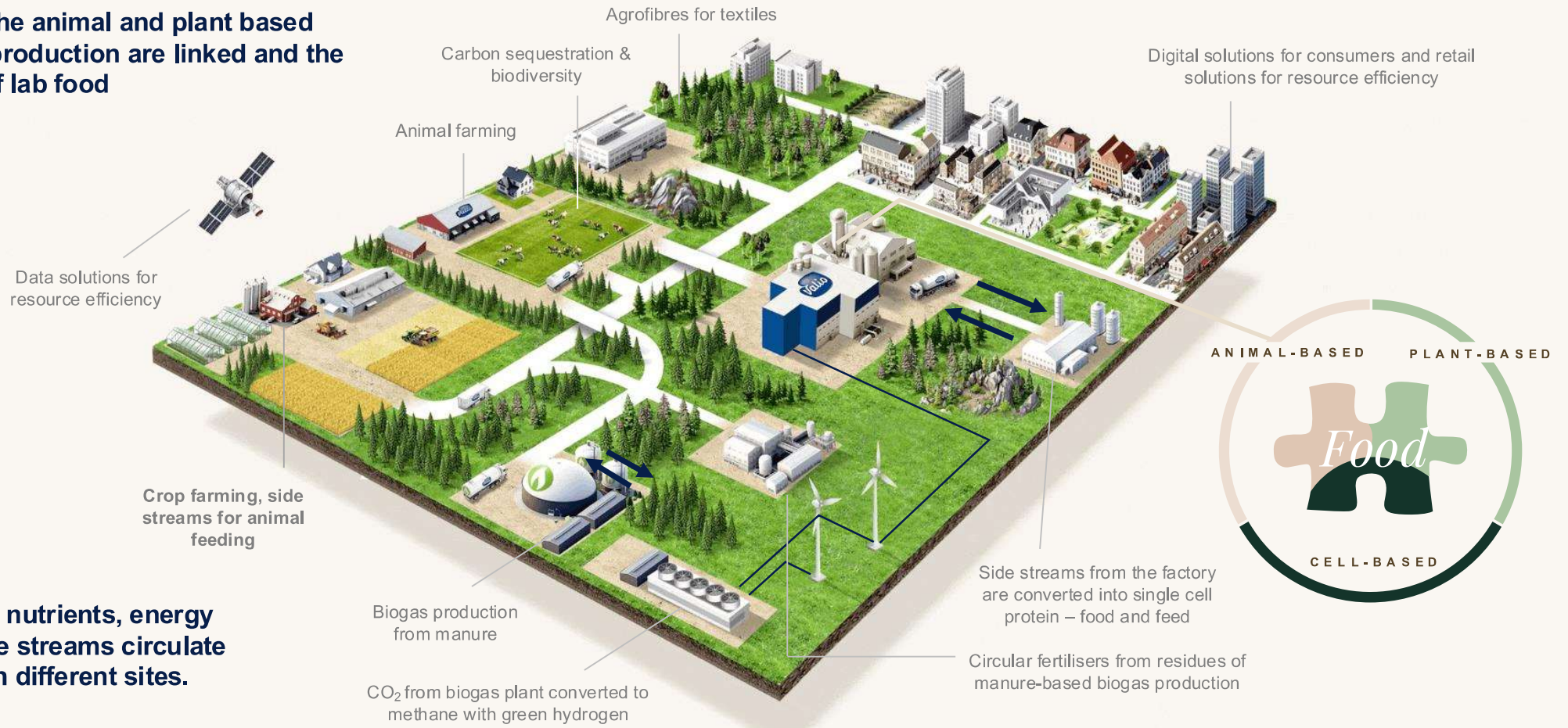
- ✦ Suomen Lantakaasu has made investment decision for Finland's first large scale liquefied biogas production plant in September and is approaching investment decision during Autumn for a larger centralized biogas plant. With these, and additional two development projects in its portfolio, Suomen Lantakaasu is currently developing over 500GWh new biogas production capacity to Finland.
- ✦ With the planned plant complexes, the company advances towards its production target of one terawatt-hour by 2030.
- ✦ **Utilising manure in biogas production can reduce the carbon footprint of milk production by as much as one quarter**, when the emissions reduction of both agriculture and transport are taken into account.

*Finnish Manure Gas



WHEN CREATING SUSTAINABILITY LEGISLATION IT IS IMPORTANT TO UNDERSTAND THE BIG PICTURE, FOOD SYSTEM

How the animal and plant based food production are linked and the role of lab food



At best, nutrients, energy and side streams circulate between different sites.



THANK YOU!





Risto Lahti

Vice President, Public Affairs
Atria Ltd.



TOWARDS A CARBON-NEUTRAL FUTURE

Risto Lahti

Sustainable livestock farming, examples from Finland
24.9.2024

ATRIA

Good food – better mood.

Finland in facts

Atria®

Meat is an important part of Finnish cuisine:



PORK: 28,1 KG



POULTRY: 29,9 KG



BEEF: 17,0 KG



highest:
+37,2°C

lowest:
-51,5°C

Finland is a land of ultimate temperatures



Breathe the cleanest air in the world



75%

of Finland is covered by forest



3,2 MILLION SAUNAS

SISU

Aka "the Finnish grit" is an ultimate form of persistence and determination

World's richest water reserves



Finland is the most literate country in the world

5,6

million Finns are the happiest people in the world.

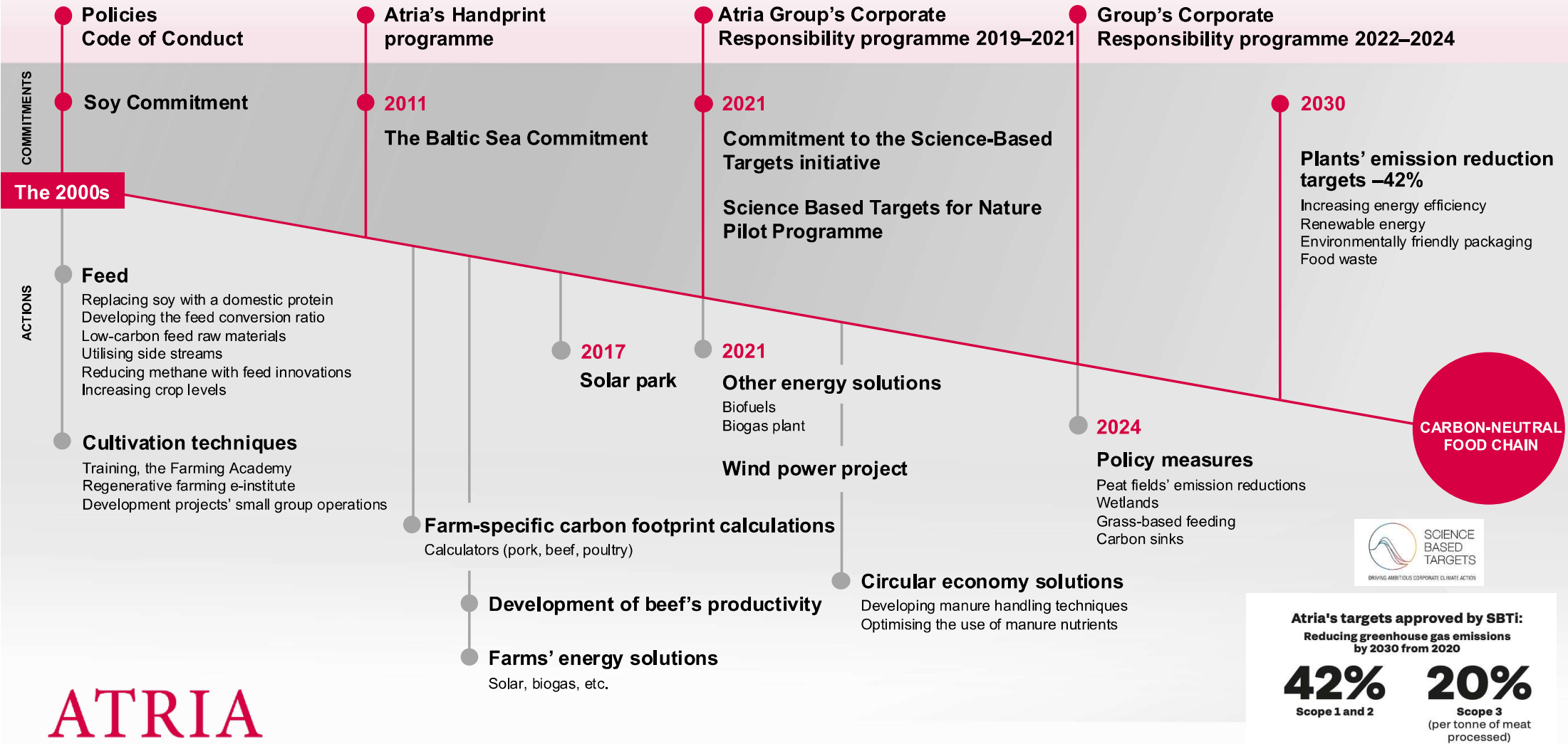


The purest food in Europe

How to be polite in Finnish:

KIITOS

TOWARDS A CARBON-NEUTRAL FOOD CHAIN



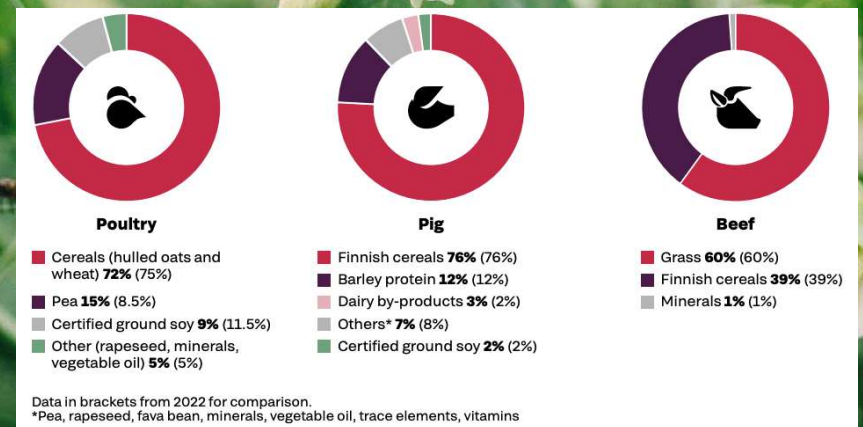
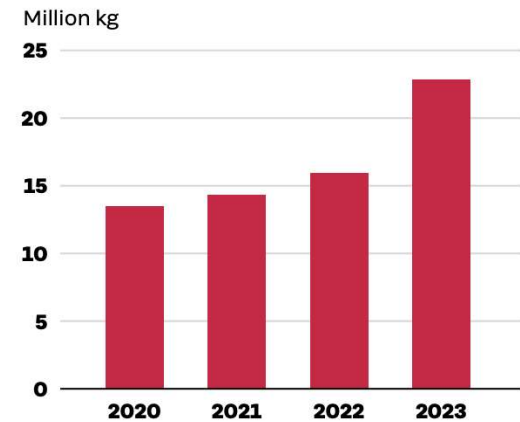
ATRIA

REPLACING SOY WITH LOCAL PLANTS

Feeding plan in Atria:

- The high degree of domesticity of the feed
- By-streams of the food industry
- Pig and chicken: Low use of soy
 - Goal: soy-free
- Cattle: No soy + grass
- The contract land area of field peas has grown rapidly
- A-Rehu is Finland's largest user of field peas and a pioneer user of Finnish protein crops in replacing soy.
- Sustainable farming methods and practices were promoted through research and development projects, farmer events and webinars.

Use of field peas at A-Rehu



TRACEABILITY AND CARBON FOOTPRINT OF PRODUCTS

- Traceability makes it possible to verify how the meat was produced, what the animals ate, and how they were medicated (since 2012)
- The carbon footprint labels were extended to all Atria Finland's chicken products in 2021.



ATRIA
Good food - better mood.

SUSTAINABILITY INDEX



Environmental impacts

Climate change, land use, farming methods, responsible water use, manure, promotion of biodiversity, domesticity and circular economy

40



Economic and social responsibility

Compliance with the production contract and instructions, professional competence and endurance, human rights

20



Animal welfare and biosecurity

Animal conditions (e.g. bedding, stimulation, free farrowing), welfare index, animal behaviour, biosecurity

40



100

Range of results
81–131

MESSAGES TO EUROPEAN POLICYMAKERS:

1. European legislation in animal welfare must take steps forward
 - Tail docking, cage-free pig production etc.
2. Animal transportation legislation must allow developing food production in all European rural areas
3. Strategical autonomy, competitiveness, environmental sustainability and animal welfare requires huge amount of investments in agri-sector
 - Investments, young farmers and animal welfare need bigger role in next CAP
4. Environmental sustainability needs to take account local circumstances and give space for member states to choose most effective methods
5. Long-lasting sustainability needs consumers real acts – European food markets need stronger labelling of origin



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SUSTAINABLE PRODUCTION – BEST MEAT

World's Best Steak 2021 from the Atria farm in Finland



WED, NOV 24, 2021 16:07 CET

Report this content



Atria's Finnish grass-fed sirloin steak was crowned the best steak in the world at the prestigious World Steak Challenge in Dublin. Atria's Danish partner JN Meat International entered the competition with Finnish beef and won the title of the World's Best Steak for the third time in a row. In all, the winner was chosen from more than 400 different steaks and 23 competing countries.



ATRIA

Good food – better mood.

Thank you for your attention!

For more information

