

BIOECONOMY STRATEGIES: ESTONIA CONTEXT AND SCOPE

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THE STARTING POINT: NATIONAL LEVEL

Decision:

the number of strategic documents must be reduced and the responsibilities of the state reviewed during the process

Goal:

- 49 strategic documents on national level (2017)
- → 18 strategies covering the whole spectrum of state budget

THE STARTING POINT: SECTORAL LEVEL

In the domain of agriculture and fisheries alone, the number of strategic documents has been overwhelming:

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Eesti aiandussektori arengukava
 Eesti seemnemajanduse arengukava
 Kiimamuutuste leevendamise ja kliimamuutustega kohanemise tegevuskava
    Euroopa Merendus- ja Kalandusfond
 Eesti vesiviljeluse sektori arengustrateegia
Põllumajandus, toidu- ja kalamajandusteaduse ning teadmussiirde arengukava
Põllumajanduskultuuride geneetilise ressursi kogumine ja säilitamine
   Riiklik sordiaretusprogramm Eesti lihaveisesektori visioonidokument
       Eesti toit
           Eesti piimanduse strateegia
 Koolipuuvilja ja köögivilja kava rakendamise riiklik strateegia
 Koolipiimakava rakendamise riiklik strateegia
  Põllumajanduslikud rakendusuuringud ja arendustegevus
                 Euroopa Kalandusfond ja Eesti kalanduse strateegia
 Eesti vesiviljeluse mitmeaastane riiklik teqevuskava
                  Eesti teraviljasektori arengukava
    Eesti mahepõllumajanduse arengukava
 Eesti maaelu arengukava
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All these will be brought together under a common strategy for agriculture and fisheries (SfAF)

WHY A NATIONAL STRATEGY?

- SfAF will serve as the key document for the state performance area of agriculture and fisheries in the State Budget Act
- SfAF will give important input upon national level planning of new programming period (CAP, European Maritime and Fisheries Fund, Knowledge-Based Estonia, etc)
- SfAF contibutes to a more efficient use and valorisation of biological resources, helps to cope with changes and alleviate risks

NO BIOECONOMY STRATEGY?

 The strategic visioning and planning of Estonian bioeconomy will be programmed around three axis:

Sustainable Estonia 21 Strategy for **Agriculture** Estonia 2020 and fisheries **Principles of Estonian Security Policy Public Health Strategy General Principles of Climate Policy** Regional Development Strategy Strategy for Strategy Knowledge-based Estonia (RD Strategy) **Forestry** for **Energy** sector

GENERAL STRUCTURE (2017)

Agriculture and Fisheries Strategy

Aim: To create opportunities for the development of competitive agriculture, fisheries, rural and coastal regions

Plant and Animal Health, Food Safety

Objective: Healthy animals and plants, safe food

Fisheries and Agriculture, Food, Rural Affairs

Objective: Estonian agriculture, food sector and rural areas are competitive and sustainable

Fisheries and Aquaculture

Objective: Estonian resources are used in a sustainable way, which facilitates the development of competitive fisheries and aquaculture





Plant health

Plant production input is of high quality, crop production is safe to human and animal population as well as environment



Animal Health

Animals grown in Estonia are ensured welfare and good health, thus no export or sales restrictions apply



Food safety

Food produced and consumed in Estonia is safe;

Our consumer is knowledgeable in food safety



Agriculture and food industry

Sustainable food industry that exports high added value products and uses innovative technologies



Environment protection in agriculture

Estonia has a clean environment, traditional agricultural landscapes and biodiversity



Development of rural life

Rural areas have viable living and business environment



Recreational fishing and resource management

Environment friendly ecosystembased management of water bioresources

fish



Professional fishing and aquaculture

Aquaculture and fisheries is competitive and efficiently managed economic sectors



Valorisation and marketing of water bioresources

No-waste and energy efficient valorisation of water bioresources into globally competitive high value added products

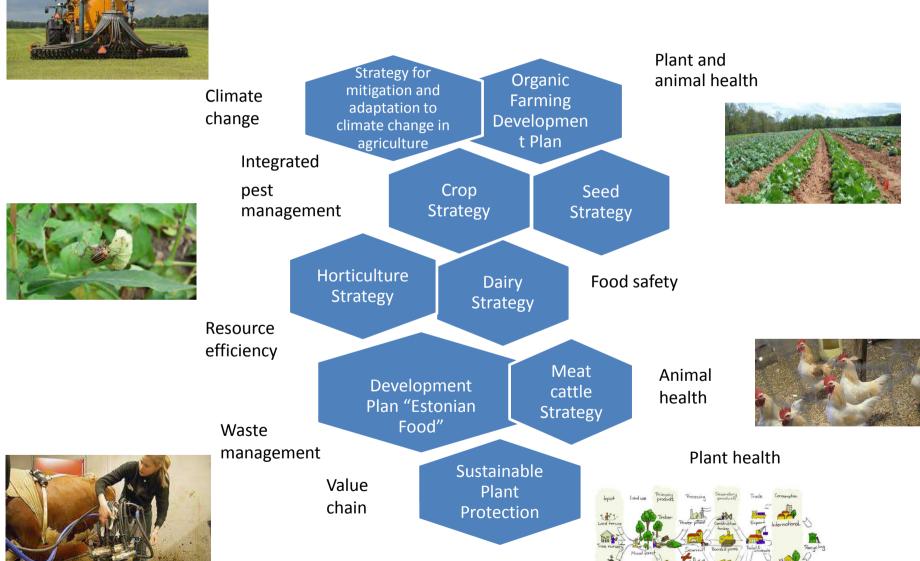
"FINDINGS" OF SFAF (1)

- Trends in bioeconomy to be considered when designing the future of agriculture and fisheries
- Make use of bioeconomy to reduce waste
- In plant breeding, consider the needs of bioeconomy
- To advance bioeconomy, implement policies that promote production of products with highest possible value added, using local resources in a sustainable way.
- To promote new bioeconomy clusters and greener business models

"FINDINGS" OF SFAF (2)

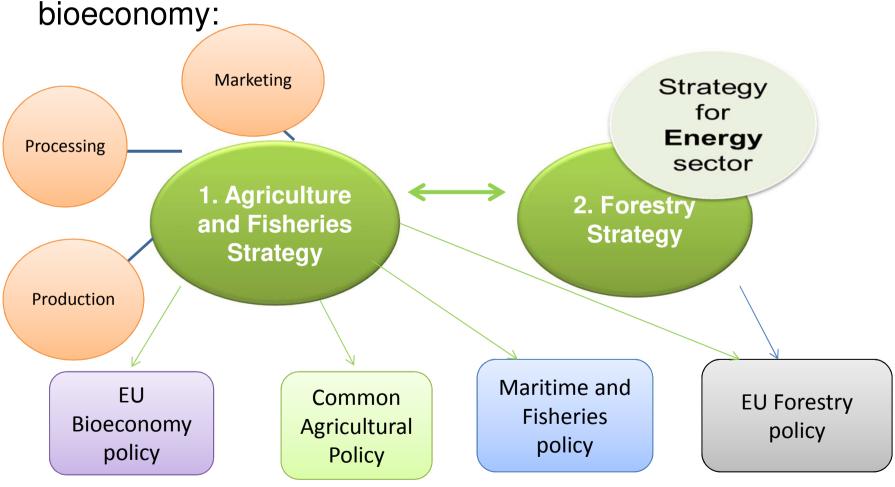
- New value chains (e.g. clean energy, bioeconomy, circular economy, ecotourism) are the key areas, which, by knowledgeable use (better use of regional resources and characteristics, novel production technologies, export of valorised products) and development can ensure a good economic growth in rural areas as well as maintain and create jobs also outside agriculture.
- It is increasingly important to combine various sectors and maximise resource efficiency, e.g. in bioeconomy, in which Estonia has a great, yet unused potential





EXPECTED OUTCOME

Estonia will have three major strategic documents related to



CROSS-SECTORAL CONTEXT: INTERMINISTERIAL BIOECONOMY PROJECT

An interministerial applied research project on bioeconomy (2018-2021) will

- analyse the status of Estonian bioeconomy sectors and valuechains
- propose future scenarios for bioeconomy development
- develop potential business models in selected sectors: marine resources, fuels and energy, food and feed, biomaterials, chemicals, pharmaceutical and plastic products
- propose government measures and actions for the development of bioeconomy
- ✓ It's a co-developed project concept (Ministries of Rural Affairs, of the Environment, of Economic Affairs and Communications)
- ✓ supported by funding scheme RITA aimed to strengthen the ministries' capability of commissioning applied research

MACROREGIONAL CONTEXT: BIOEAST

- An initiative to facilitate bioeconomy strategies in CEE countries
- It will foster the macroregional cooperation of the participating countries; by means of collaboration, the macroregional competiveness is expected to increase (e.g. better access to funding)
- As the initiative sets emphasis on intraministerial approach, participation in the initiative will also improve the cooperation among ministries within the country
- In Estonia, besides the ministries, our key partner is the Estonian University of Life Sciences. The Development plan of Estonian University of Life Sciences for 2016–2025 is based on the principle of bioeconomy.

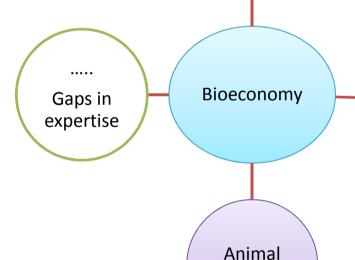




health



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EU CONTEXT: NEW CAP AND BIOECONOMY

- The approach towards bioeconomy shall be systematic and comprehensive, coherence across various sectors is crucial.
- Bioeconomy to be considered when setting the priorities for the CAP Strategic Plan.
- Information about new and existing innovative solutions must be disseminated, especially on primary producer level.
- Small industries and local biorefineries that use local resources need support.

EU CONTEXT: HORIZON EUROPE AND BIOECONOMY

- Cluster 7 of the Horizon Europe has great potential in strengthening the multi-actor approach and, thereby, boosting bioeconomy.
- Multi-actor projects promote innovative and competitive bioeconomy.
- CEE countries have not been too successful in finding funding opportunities; this capacity needs improvement.
- Smaller businesses developing biorefining solutions at local level need better access to Horizon Europe.



Thank you for your attention!

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