



EUSBSR EU STRATEGY FOR THE BALTIC SEA REGION

PA-Bioeconomy

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Organisation

Steering Group – all BSR-countries + Norway

Co-PACs: NCM; Sweden; Finland; Lithuania.

Previously also BSR Bioeconomy Council

Flagships

Cross-Sectorial cooperation

PA-Inno (digital bioeconomy, value chains...)

PA-Nutri (food, nutrition leakage ...)

PA-Energy (green energy, biomass, biogas...)

PA-Secure (forest fires, shipping)

PA-Health (AMR, diets...)

PA-Bioeconomy - cross-sectorial cooperation

PA-Bioeconomy - Concrete actions

Blue Bioeconomy

- *Stop eutrophication of the Baltic Sea and waterways*
 - *reduce run-off*
 - *capture nutrients*
- *Build new sustainable blue bioeconomy businesses*

Wood biomass

- *Wood in construction*
- *Forestry and biodiversity*
- *Special focus on East-Baltic*

Sustainable food systems

- *Increase local production of proteins for food and feed (biorefineries, algae, protein crops...)*
- *Local food (and tourism)*
- *Multi Resistant Bacteria*
- *Healthy diets (for the Planet and the Body)*

Increase local production of proteins

Problems:

- Imported of soya from Brazil and other S-American countries contributes to depletion of rain forests and unsustainable agriculture.
- Resilience issues related to the import of large quantities of animal feed (dairy, pork, aquaculture)
- Shift in human diet calls for a range of alternative proteins
- New technologies open up new possibilities

Solutions:

- Biorefineries for grass and other types of biomass
- Micro: algae / yeast / microbes / insects
- Food waste and recirculatory systems
- Digitalization
- Dietary trends
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Trend analysis for bioeconomy in the BSR, NW Russia, and North Atlantic

Trend descriptions Ver. 2.0

Nordic Sustainability | January 2020

Macro trends influencing the bioeconomy

1. The world is going digital
2. Green new deals
3. Investors are going green
4. Urbanization and changing demographics
5. Electrification of the energy system

Bioeconomy trends

1. Closing the industrial loops
2. New protein sources
3. Algae on the rise
4. Storytelling adds value
5. Biofuels replacing fossils

ENABLING

Digitalization adding value to the bioeconomy
Shift in consumer behaviour
The rise of cheap clean power

VALUE STREAM

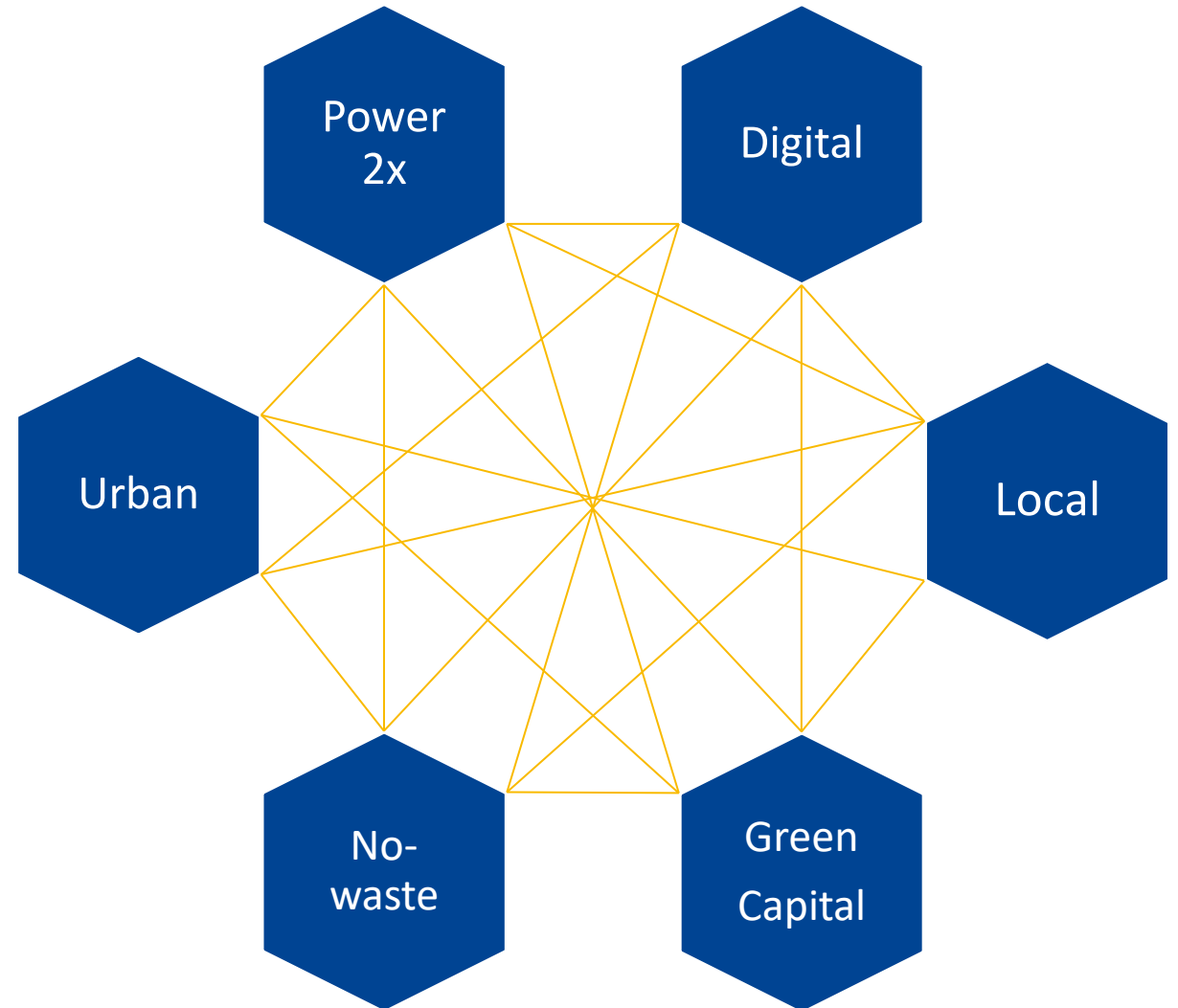
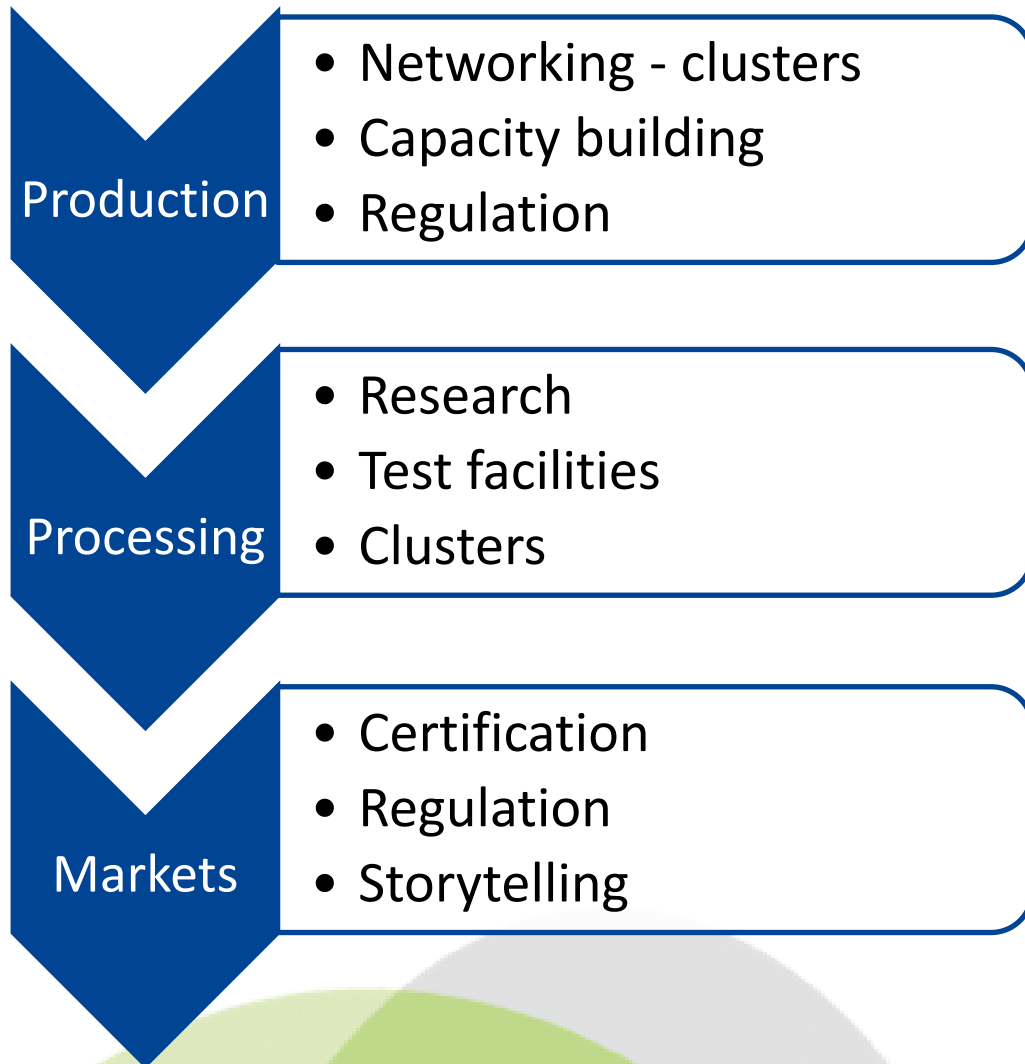
Industrial side streams as a resource
More circular and cascading business models
Growing appreciation of ecosystem services
Businesses driving social impact

RESOURCE STREAM

Development of alternative proteins
Diversification of value creation in forests
New opportunities for plant-based marine resources
Uptake in bio-based construction materials



What needs to be done



The role of PA-Bioeconomy

We have:

- Soft powers
- Broad agenda
- A mandate
- Direct contact with policy makers
- Direct contact with projects

We can:

- Create meeting platforms
 - for projects
 - for projects and policy makers
 - for programs and policy makers
- Assist programs in aligning program priorities and challenges

In a fast paced environment we must coordinate on the go.