

#bioeconomystrategies

CIRCULAR REGIONS

6 Regions, 1 Goal:

Advancing Europe's Bioeconomy Together



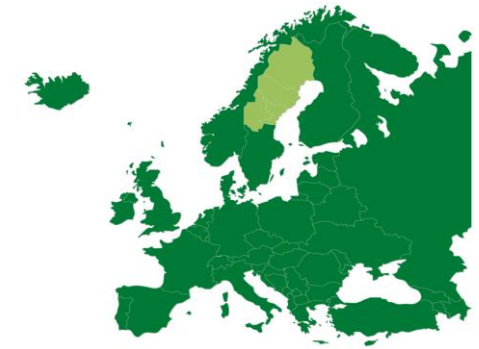
BIOMODEL
4 REGIONS



Northern Sweden

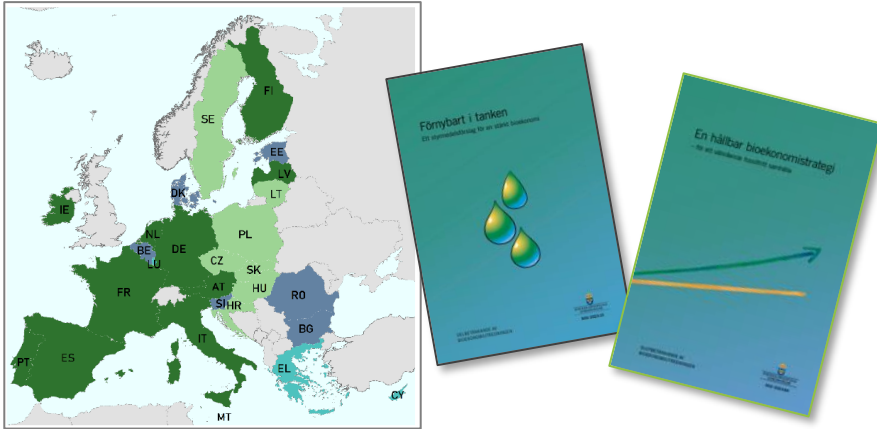
Eleonora Borén

The Region of Northern Sweden



- 97% of the productive land area is covered with forest
- Long history of forestry
- In this region lives less than 1 million people
- Composed of four administrative counties

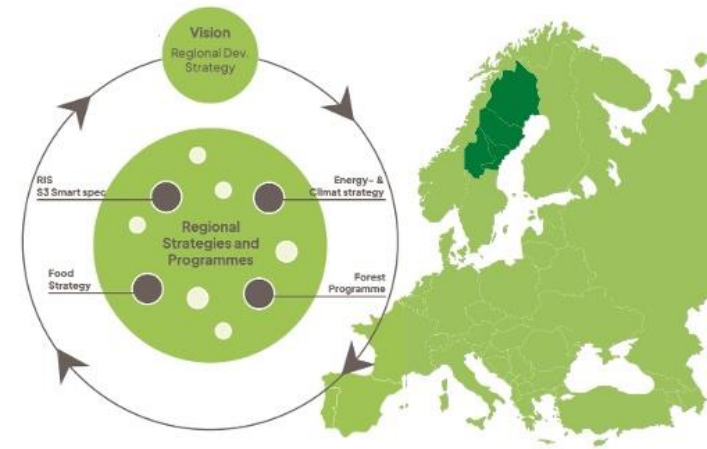
Towards a biobased economy on Northern Sweden



- European policies and legislation
- Aligning with broader national policies and the proposed Swedish Bioeconomy Strategy
- The bioeconomy-related strategies of the four northern regions

Vision and overall goal

- We contribute to a prosperous, fossil-free society, through a sustainable bioeconomy
- By 2040, Sweden will have a more resource-efficient, resilient, and competitive bioeconomy throughout the country



Northern Sweden's blueprint is in line with the proposed Swedish Bioeconomy Strategy

Promote Sustainable Growth	Climate Benefits of the Bioeconomy	Promote national resilience and reduce vulnerability
the focus lies on enhancing resource efficiency , offering new employment opportunities and support regional development	replacing fossil-based resources with sustainable alternatives to address climate challenges	particularly by increasing domestic raw material supply

The vision of the Blueprint of Northern Sweden:
By 2040, northern Sweden will have a resource-efficient, resilient, and competitive bioeconomy.

	Key Strengths	Moderate Scoring	Challenges
Implementation & Finance	Robust value chains and diversified biobased markets.	Education & human capital development.	Innovation potential remains underdeveloped.
	Strong SME landscape and birthrate.	Local biomass availability.	Market accessibility for new actors can be limited.
	Public funding for bioeconomy development.	Market accessibility (not logistically).	
	Favourable conditions for private investments.		
	Sustainably managed land and water ecosystems.		
Rule-Setting	Integrated bioeconomy policy framework.	Integration of regulations with other policy priorities.	EU laws create obstacles.
	Full transposition of EU laws.	Policy regulations for bioeconomy.	Policy is inconsistent.
	Supportive tariffs, taxes, and subsidies.		Public procurement for bio-based products (BBPs).
			Use of trade policies for bioeconomy development.
Information sharing	Monitoring and reporting mechanisms are in place.	Multi-level collaboration.	Public support and acceptance.
	Certification and sustainability labels.	Collaboration between actor groups.	Limited interregional collaboration.

Identification of seven Key Action Areas

Improve access to financing

- Collaboration with traditional industries
- Simplify application processes for SMEs and start-ups
- Support early investments and demonstration projects

Develop infrastructure for bio-based products

- Energy: Stable and cost-effective renewable energy
- Transport & logistics: Improved infrastructure and forest extraction
- Digitalization & AI: Optimization of resources and circular processes
- R&D infrastructure: Test beds and demonstration facilities

Strengthen product development & market trust

- Adapt products to market needs
- Certifications & environmental declarations for credibility



Strengthening collaboration between sectors

- Coordination at municipal, regional, and national levels
- Partnerships between academia, industry, and policymakers
- Knowledge sharing and innovation clusters/hubs

Sustainable use of natural resources

- Resource efficiency in the forest industry
- Circular economy and upgrading of residual products

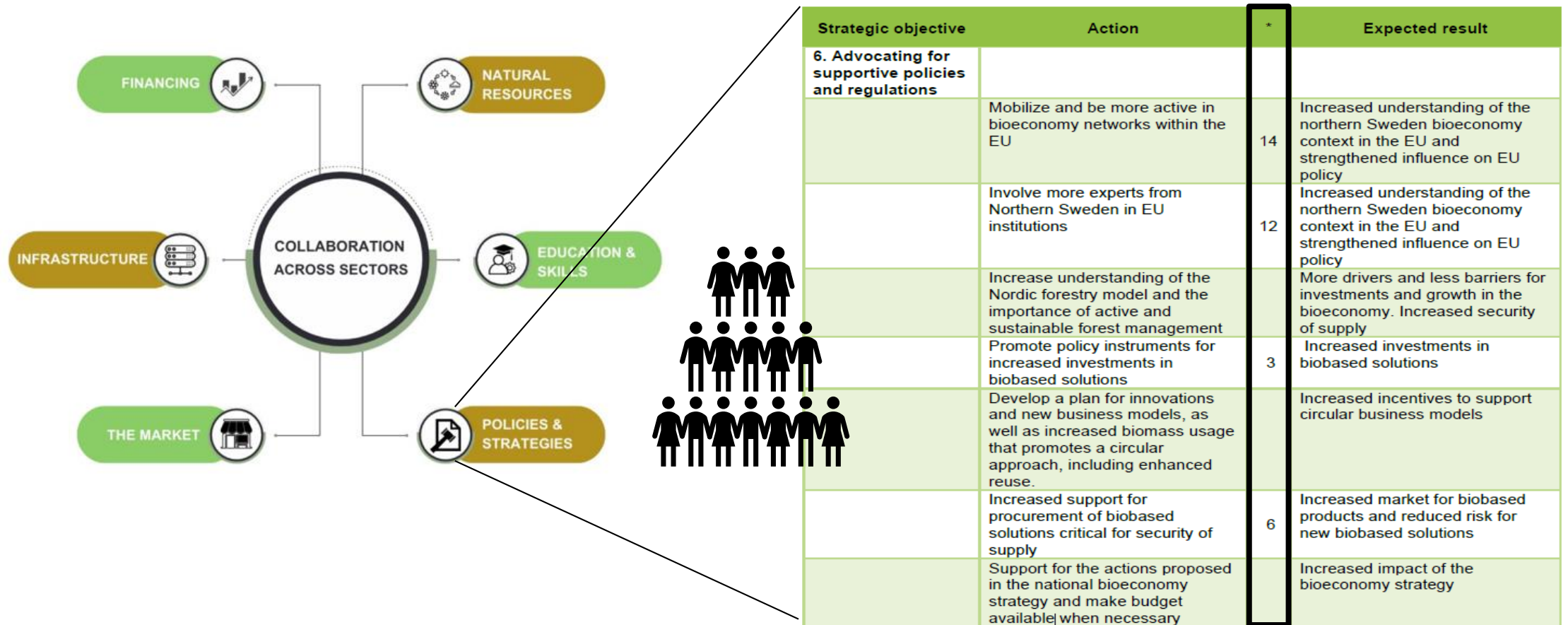
Promote education & skills development

- Educational initiatives for bioeconomy and sustainability
- Attractive communities for skills supply

Influence policy & regulations

- Active participation in European bioeconomy networks
- Policy support for investments & public procurement

Best practice or interesting insight



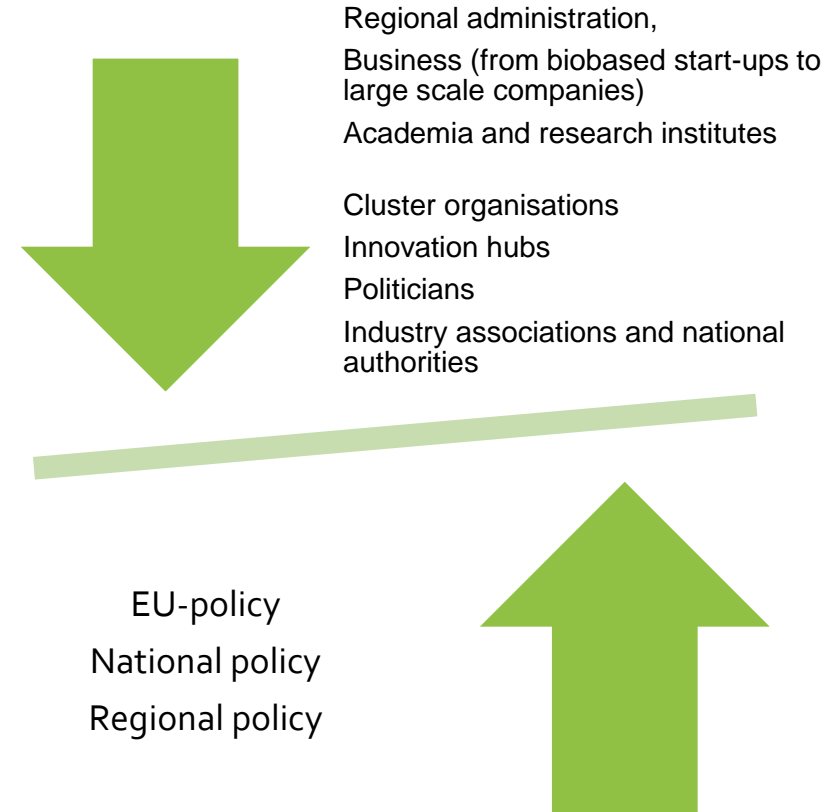
Challenges faced

NATIONAL STRATEGIES WITH BIOECONOMY CONTENT

- Sweden's Climate Act and Climate Policy Framework
- Policies for decarbonising the heating and the transport sector:
- National Forest Program
- National Food Strategy
- National Circular Strategy
- Strategy for Swedish Fishing and Aquaculture
- Strategy for Sustainable Tourism

REGIONAL STRATEGIES WITH BIOECONOMY CONTENT

- Regional development strategy regional
- Forest program based on the national strategy
- Regional food strategy based on the national strategy
- Smart specialization
- Energy & climate strategy



Future applications and recommendations

FUTURE APPLICATIONS

A strategic framework for northern Sweden's transition to a competitive, sustainable and resilient bioeconomy

Identifies focus areas and proposals for actions and target fulfillment

What can it be used for?

Work towards a common vision for northern Sweden in line with the national bioeconomy report

Who is it aimed at?

Mainly to the four northernmost regions

All actors involved in bioeconomy development

What is it not?

Not a policy document



RECOMMENDATIONS

Facilitate a coordinated strategy update following the approval of a National Bioeconomy Strategy.

To promote synergies between the regions and national level

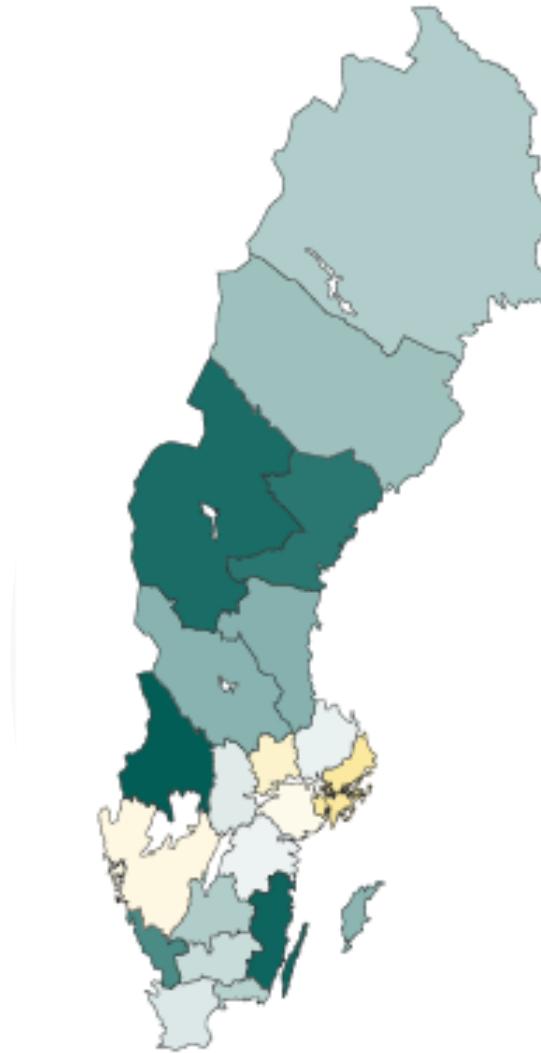
A starting point for joint proposals of several stakeholders in northern Sweden.

Use available regional bioeconomy statistics to measure the development of the Bioeconomy.

BIOECONOMY – REGIONAL STATISTICS

In collaboration with
Statistics Sweden

- Updated and refined time series 2008-2021 for all 21 Swedish regions
- Interactive web page
- Bioeconomic activity, employment and CO² emissions for 19 sectors
- Important tool to follow up and boost bioeconomy development in each region



Län	Andel FV 2021	FV BIO 2021 (Mnkr)
Värmlands län	15,7	18 706
Kalmar län	15,3	15 255
Jämtlands län	14,8	8 216
Västernorrlands län	14,3	16 253
Hallands län	13,2	18 339
Gävleborgs län	11,2	13 112
Dalarnas län	11,1	13 566
Gotlands län	11,0	2 508
Västerbottens län	10,4	13 443
Jönköpings län	9,8	16 934
Norrbottnens län	9,7	15 716
Blekinge län	9,5	6 549
Kronobergs län	8,9	9 078
Skåne län	8,3	52 044
Örebro län	8,2	11 451
Uppsala län	7,8	14 818
Östergötlands län	7,7	16 707
Södermanlands län	6,3	7 175
Västra Götalands län	6,0	54 054
Västmanlands län	5,2	5 965
Totalt	7,1	388 479

Thanks for the attention!

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