



# Forest based bioeconomy in Värmland

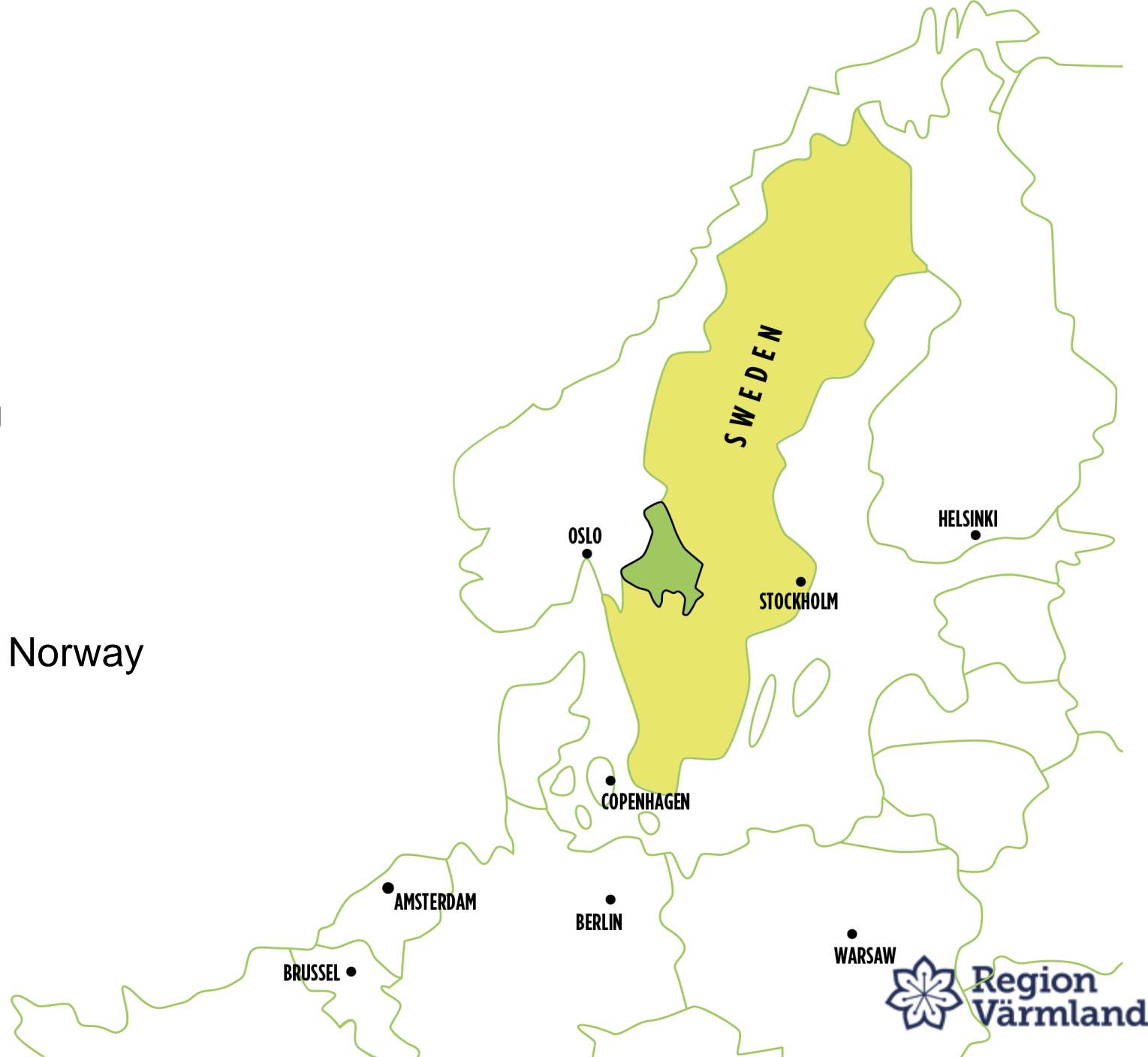
**Per Aspengren**

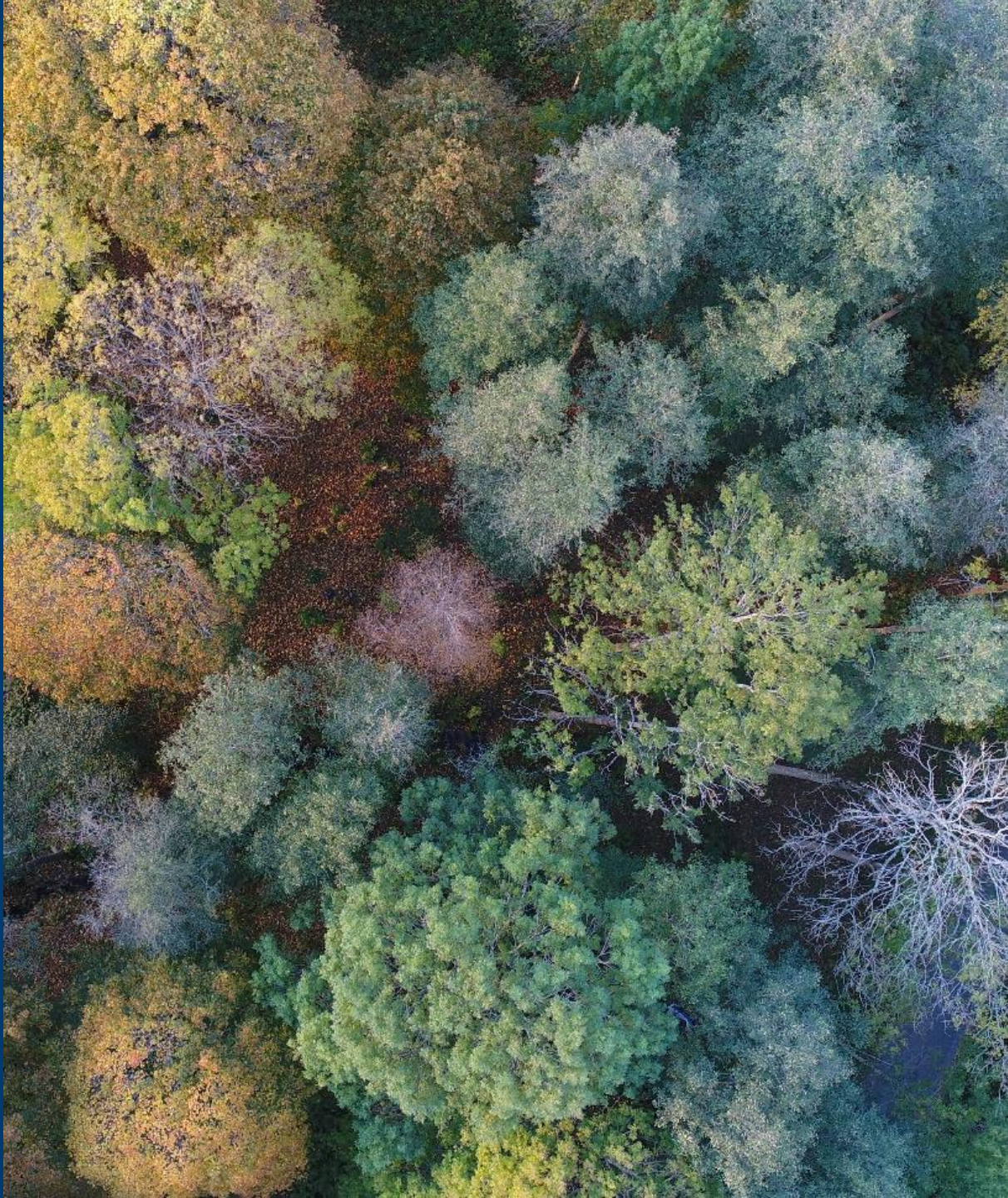
**Member of the Committee for Regional Development, Region Värmland**

Region

# VÄRMLAND

- 18 000 km<sup>2</sup>
- 70 % covered by forest
- Vänern, the largest lake in EU
- 280 000 inhabitants
- One dominating university
- One Innovation Park
- Interregional cooperation with Norway
- Strong Cluster
- Strongest on forest industry





# Smart Specialization on forest based bioeconomy

**One "Bäckalund" = 1 milj. m<sup>3</sup>sk**



**In Värmland the annually increase is 8,4 Bäckalund  
= 8,4 milj. m<sup>3</sup>sk**



**Annually gross felling 5,7 Bäckalund  
= 5,7 milj. m<sup>3</sup>sk**

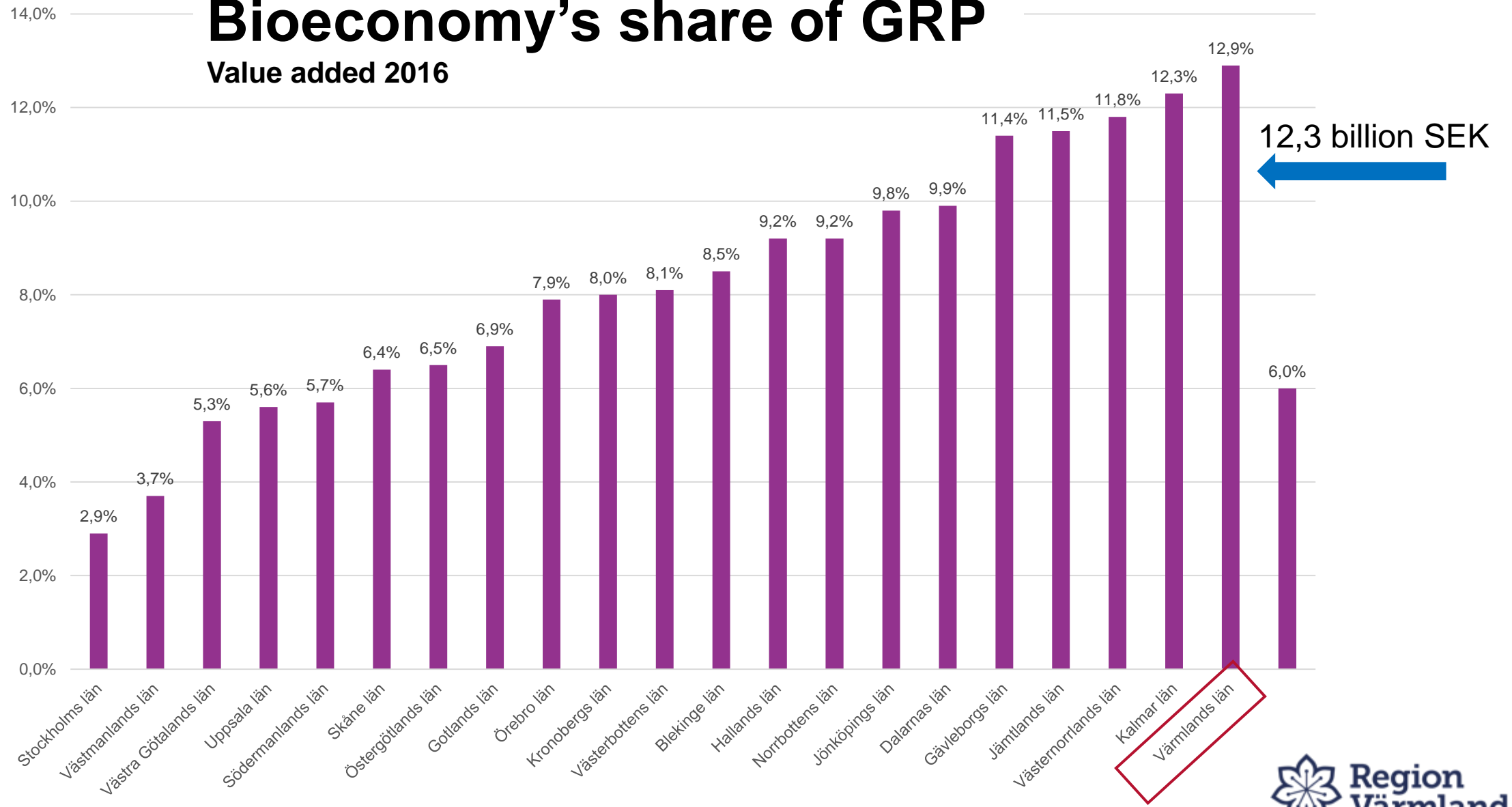


# Ny statistik: Värmland tar tåten inom bioekonomi

Värmland är bäst i landet på att förädla skogen och skapa tillväxt inom bioekonomi visar ny statistik från SCB.

# Bioeconomy's share of GRP

Value added 2016



12,3 billion SEK



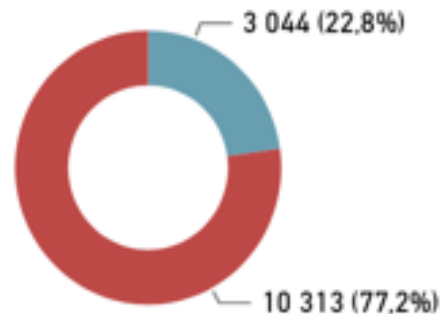


# Gender equality can strengthen our attractiveness

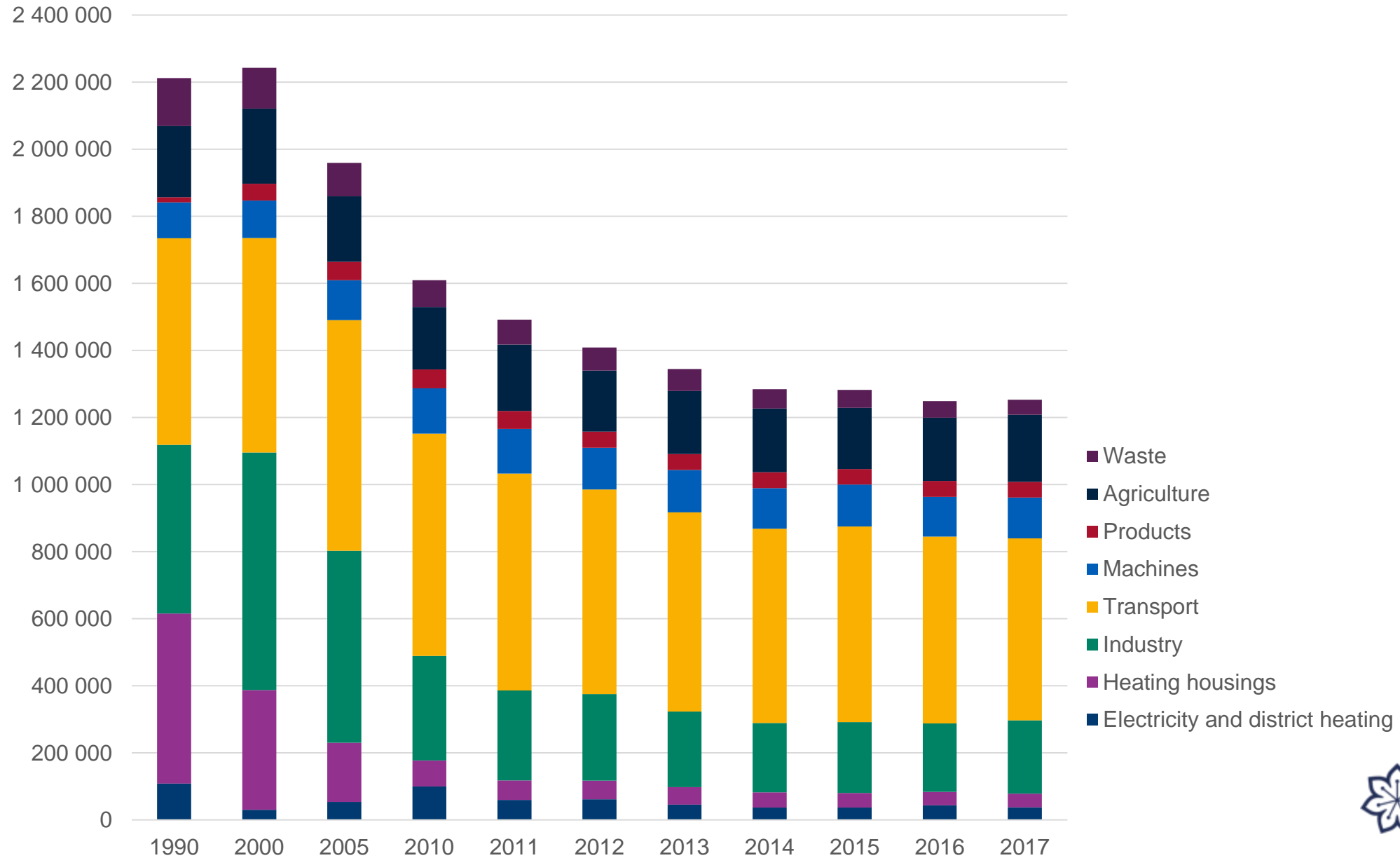
- Attract expertise and new businesses to the region
- Achieve the vision of being the leading competence node in forest-based bioeconomy.

Antal sysselsatta 2016 (Bioekonomi)

● Kvinnor ● Män

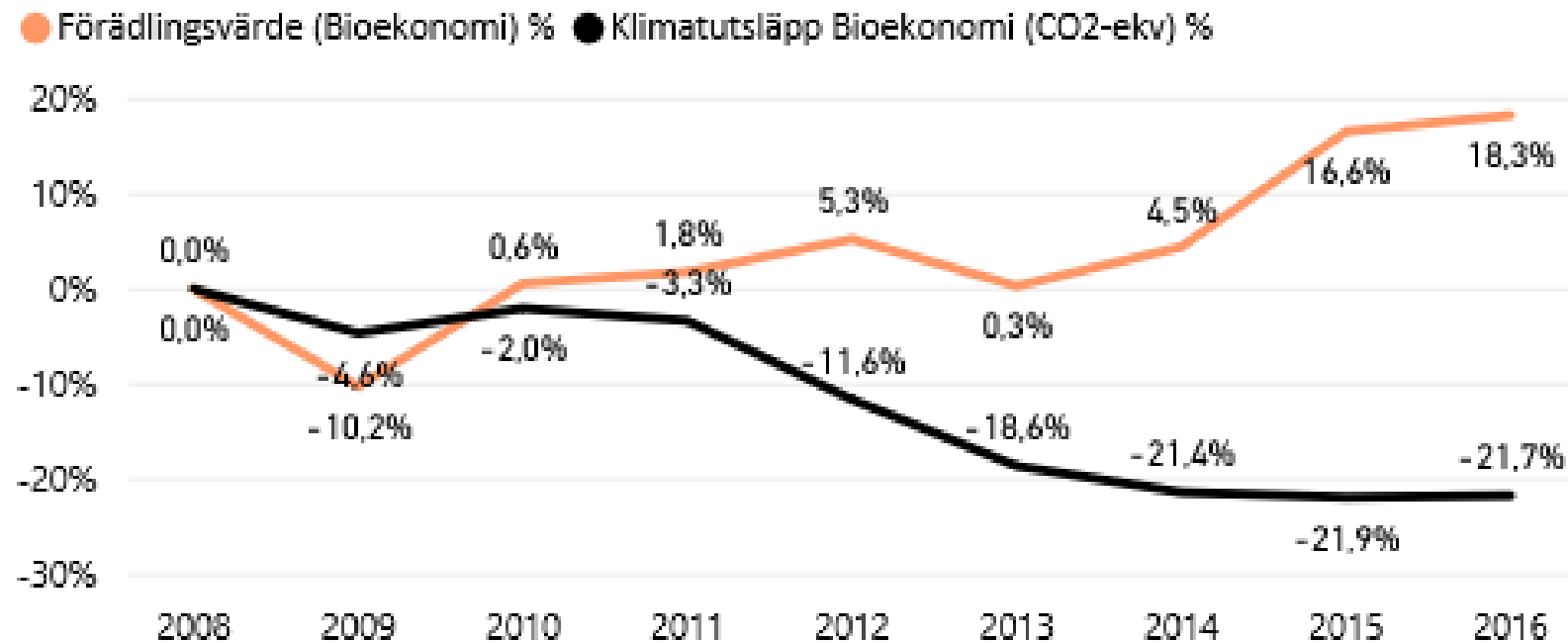


# Territorial GHG-emissions Värmland



# Bioeconomy reduces climate emissions

Utveckling av förädlingsvärde samt utsläpp per bransch inom bioekonomin 2008-2016 (%)





# Bioeconomy is a wise way to live

In a bioeconomic society, we use renewable raw materials from the forest, the earth and the sea instead of fossil fuels and materials.

In this way, we reduce our climate impact and optimize the value and contribution of ecosystem services to the economy.



# Biological

- Raw materials from the earth, the forest and the water
- In Värmland mainly from forest
- Renewable
- Not fossils



# Economy

- Aim for high value added
- Attractive innovation environment
- Circular business models
- Companies in clusters
- Extended value chains



# BIOECONOMY

