

Forest-based biofuels

Potentials for a new business to grow



Sweden – a forest nation



SEK **102** billion

**Net export value
SEK 102 billion**

World's 2nd largest exporter of pulp,
paper and sawn timber



22 %

**22 % of Swedens industrial
investments**

The Swedish forest industry
invested for just over
SEK 15 billion 2018.



330,000

**330,000 private small and
midsize enterprises**

The backbone of countryside Economy

The most common form of female
enterprise

Average forestry income 10,000 €/yr



70,000

70,000 direct employed

Plus 30,000 full time contractors

Plus considerable multipliers within
construction industry, transport,
service, consulting etc.



This is Södra

Sales

SEK **24** billion

Employees

3,100

Wood volume **16,5** million m³ sub

3 pulp mills and **7** sawmills

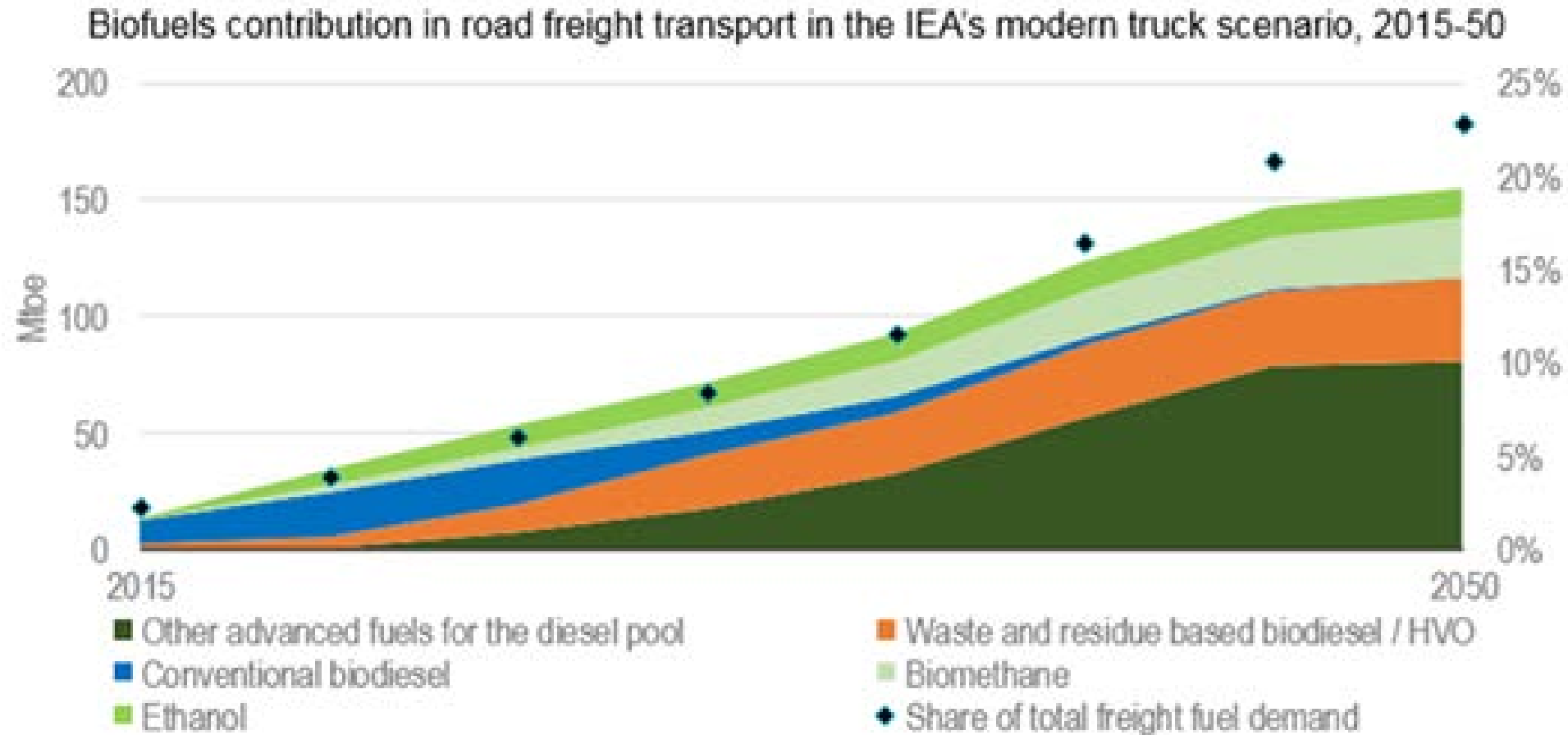
52,000 members



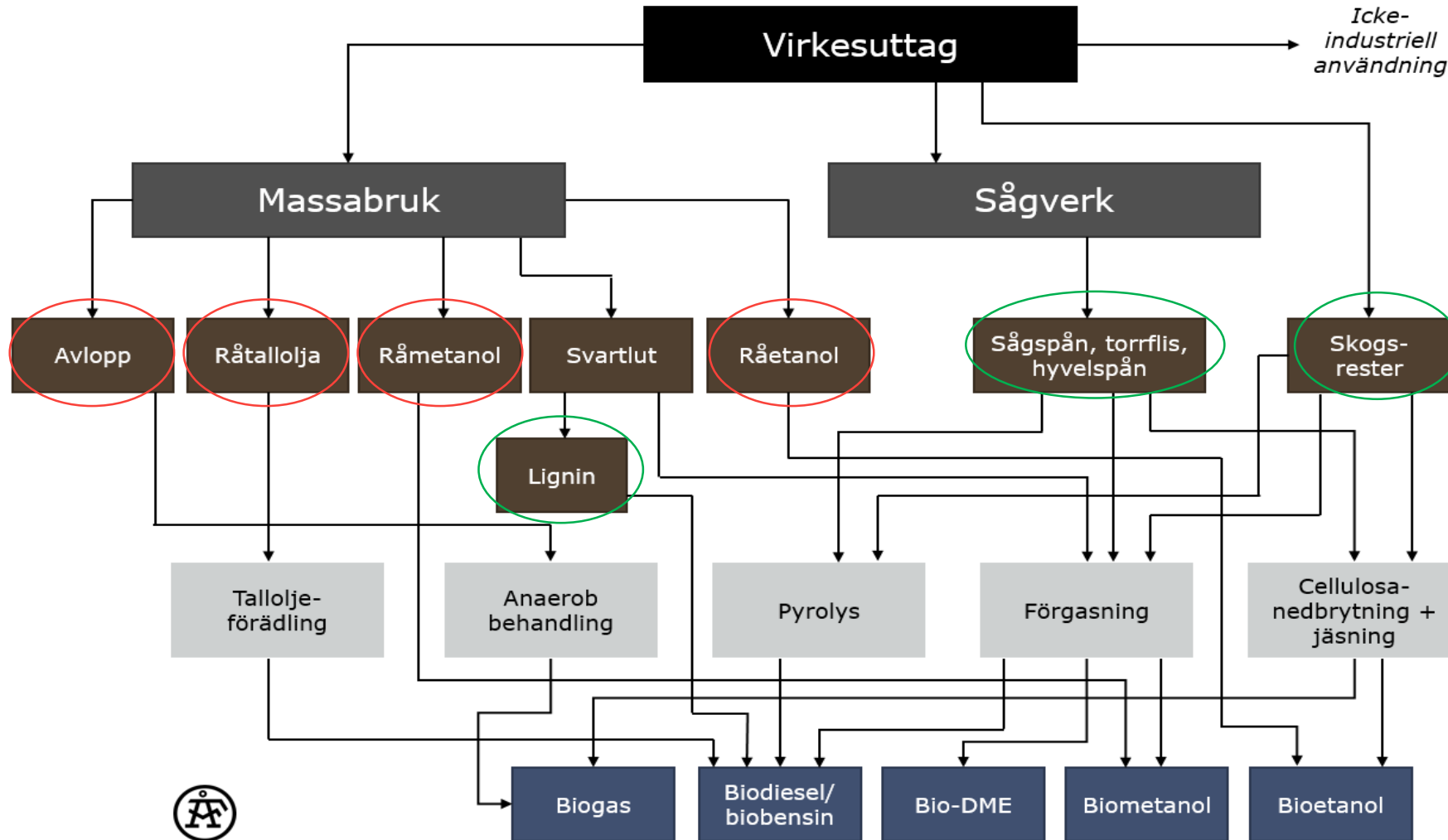
Forests provide more sustainable products



Advanced biofuels will be important in the transport system



What is forest-based biofuels?



Biofuels based on forest raw materials



SUNPINE

Produces biodiesel
from tall oil



Bio-Methanol

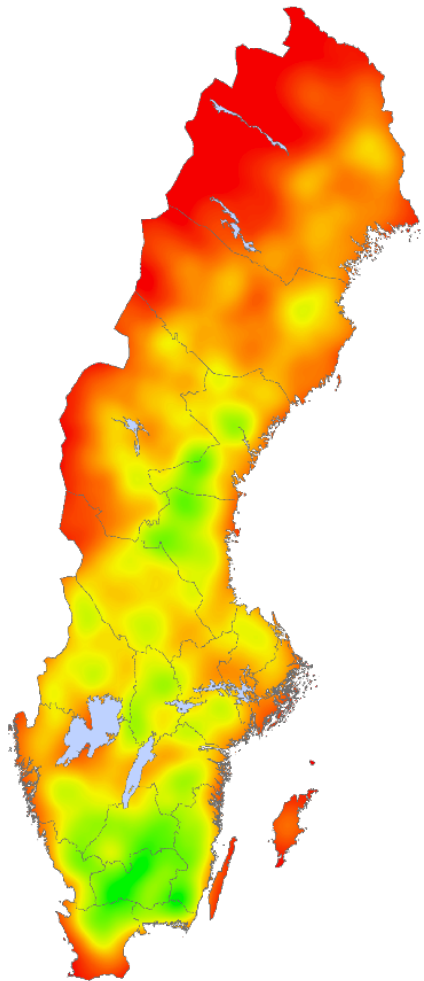
Södra invest to
produce biomethanol



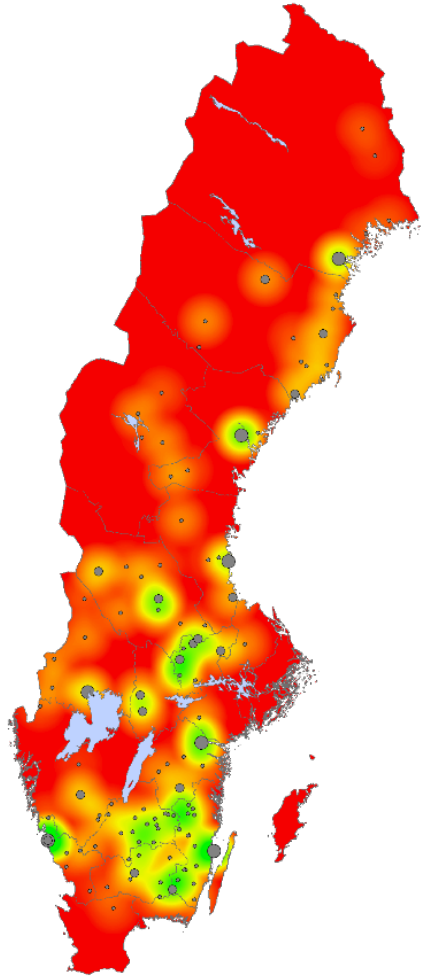
Silva Green Fuel

Advanced technology
for biofuels

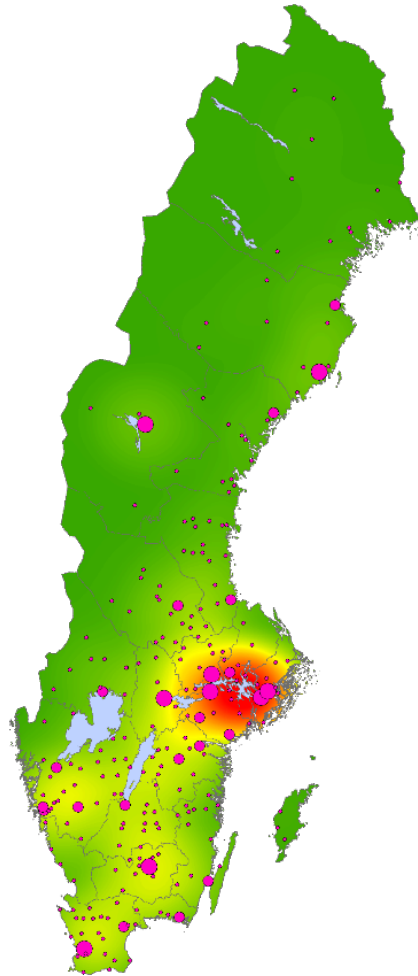
Where is the potential for biorefineries?



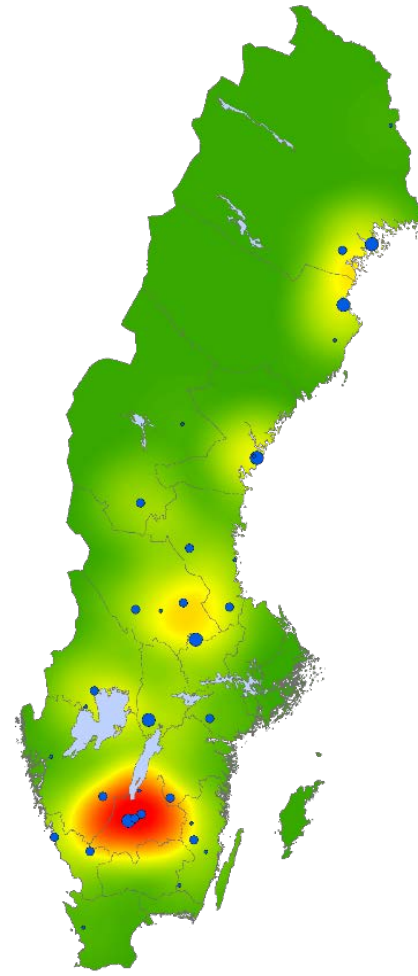
a) Harvesting
residues



b) Sawmill
by-products

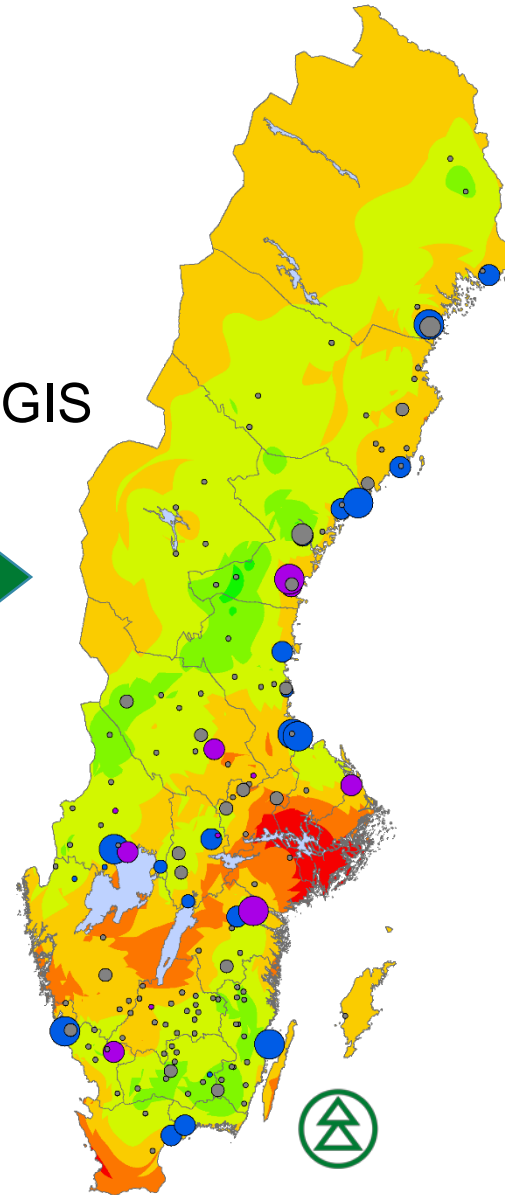


c) District heating /
CHP

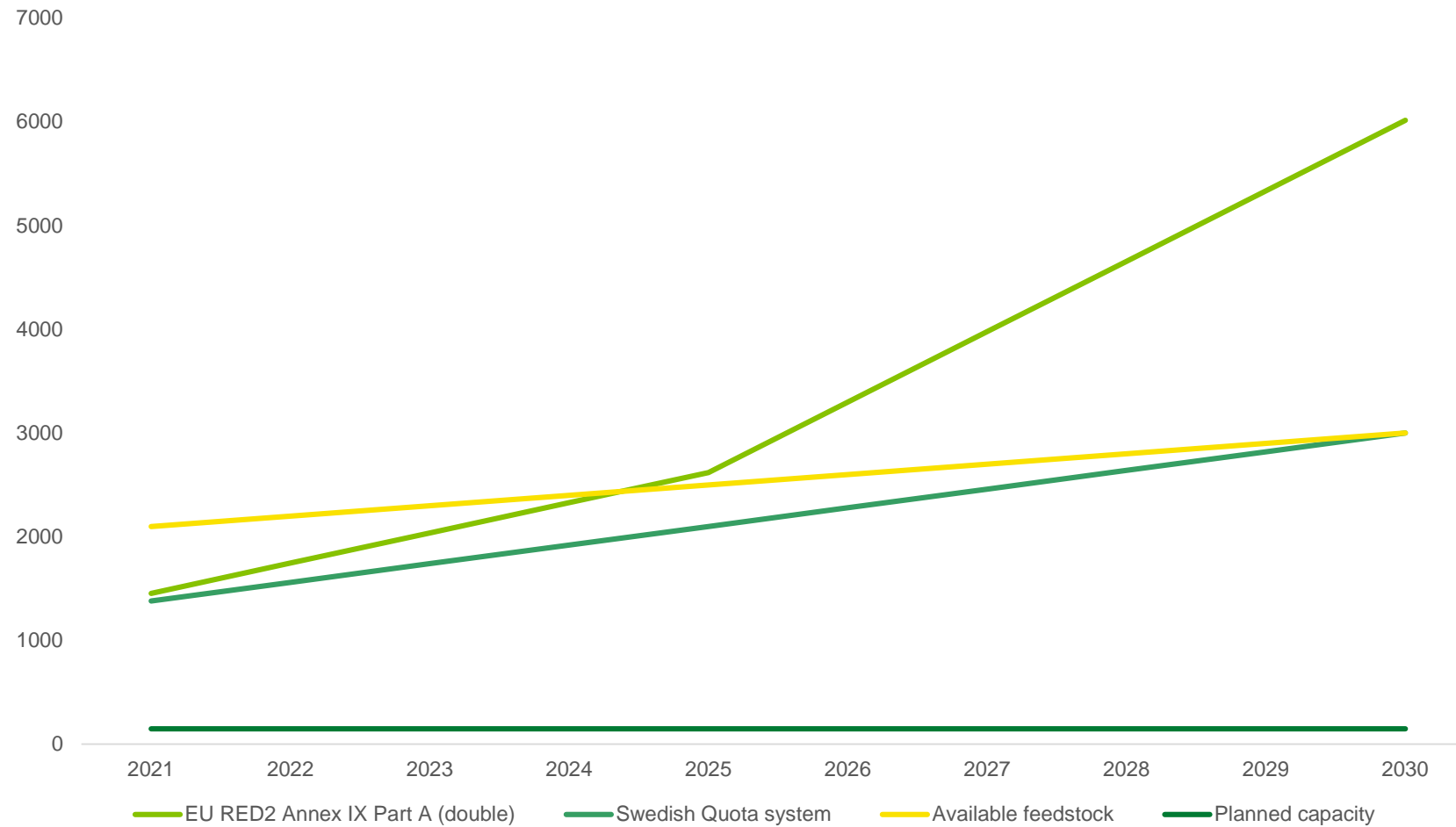


d) Pellet
production

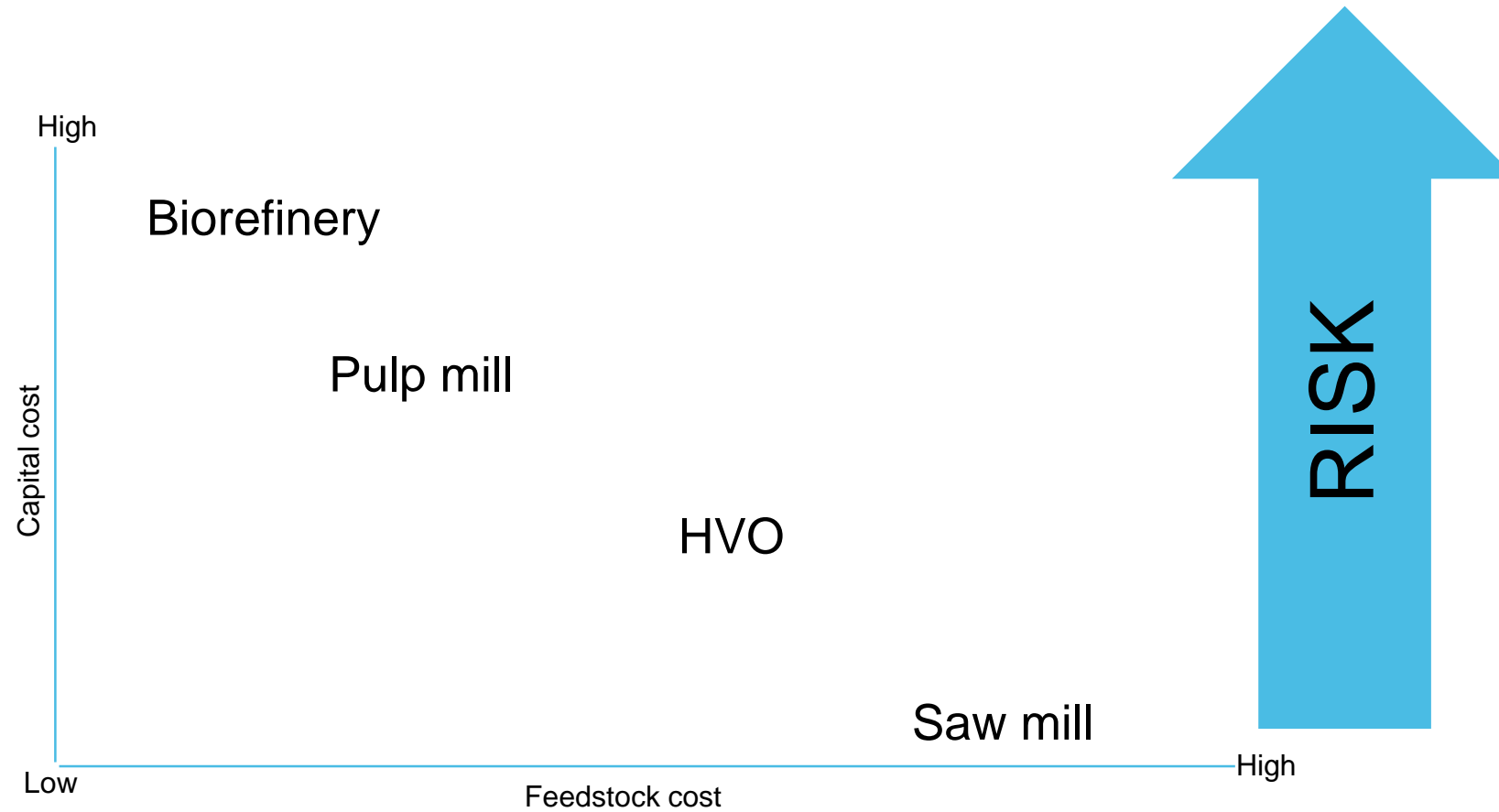
Simplified GIS
analysis



Do we have enough biomass?



Challenges to invest in Advanced biofuels





The future is made of trees!