

Biomassagebruik in Europa

Harriëtte Bos WFBR, 15 april 2025, BBC community event

Key dilemmas
on future
land use
for agriculture,
forestry & nature
in the EU



WAGENINGEN
UNIVERSITY & RESEARCH



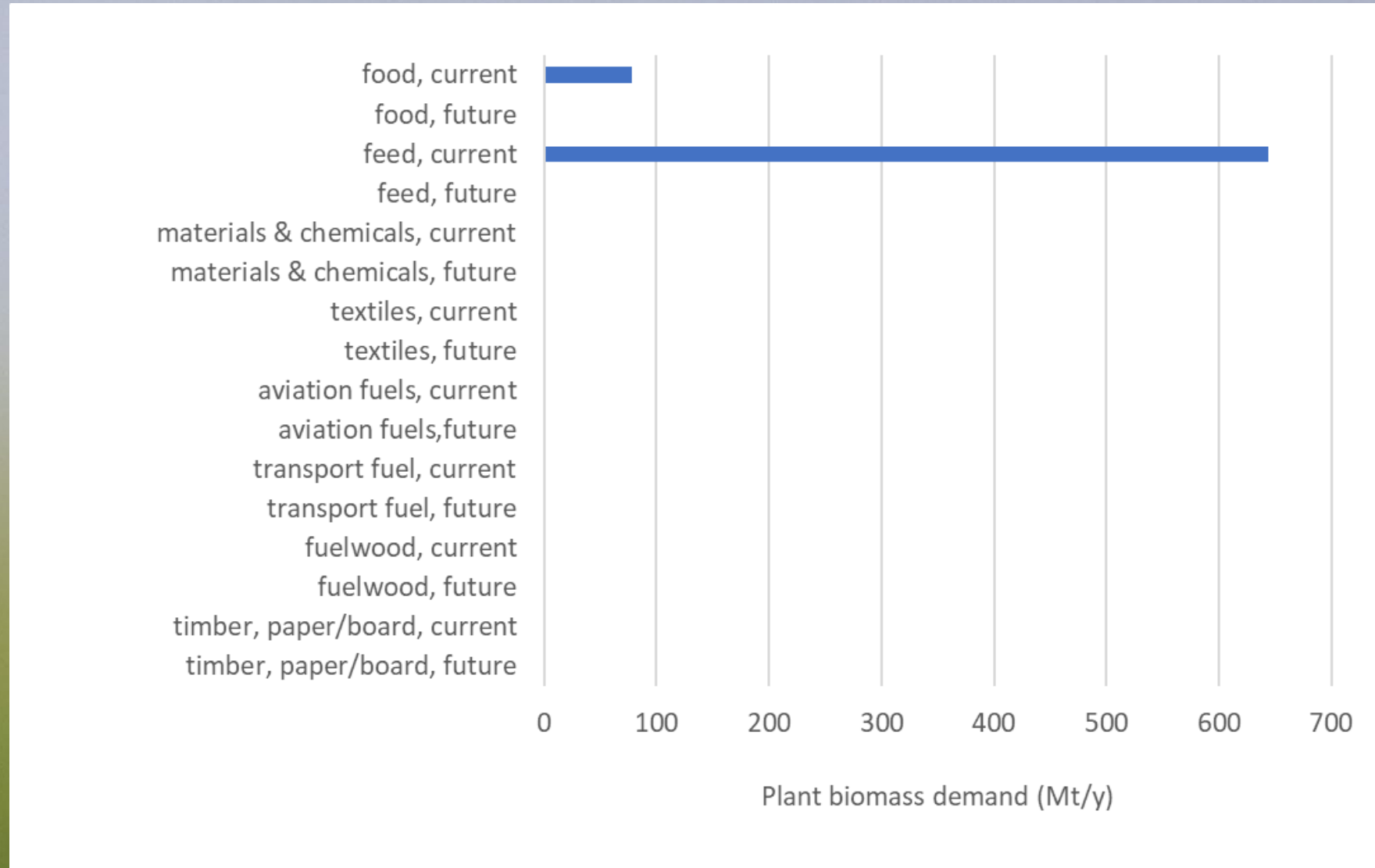
Key dilemmas
on future
land use
for agriculture,
forestry & nature
in the EU



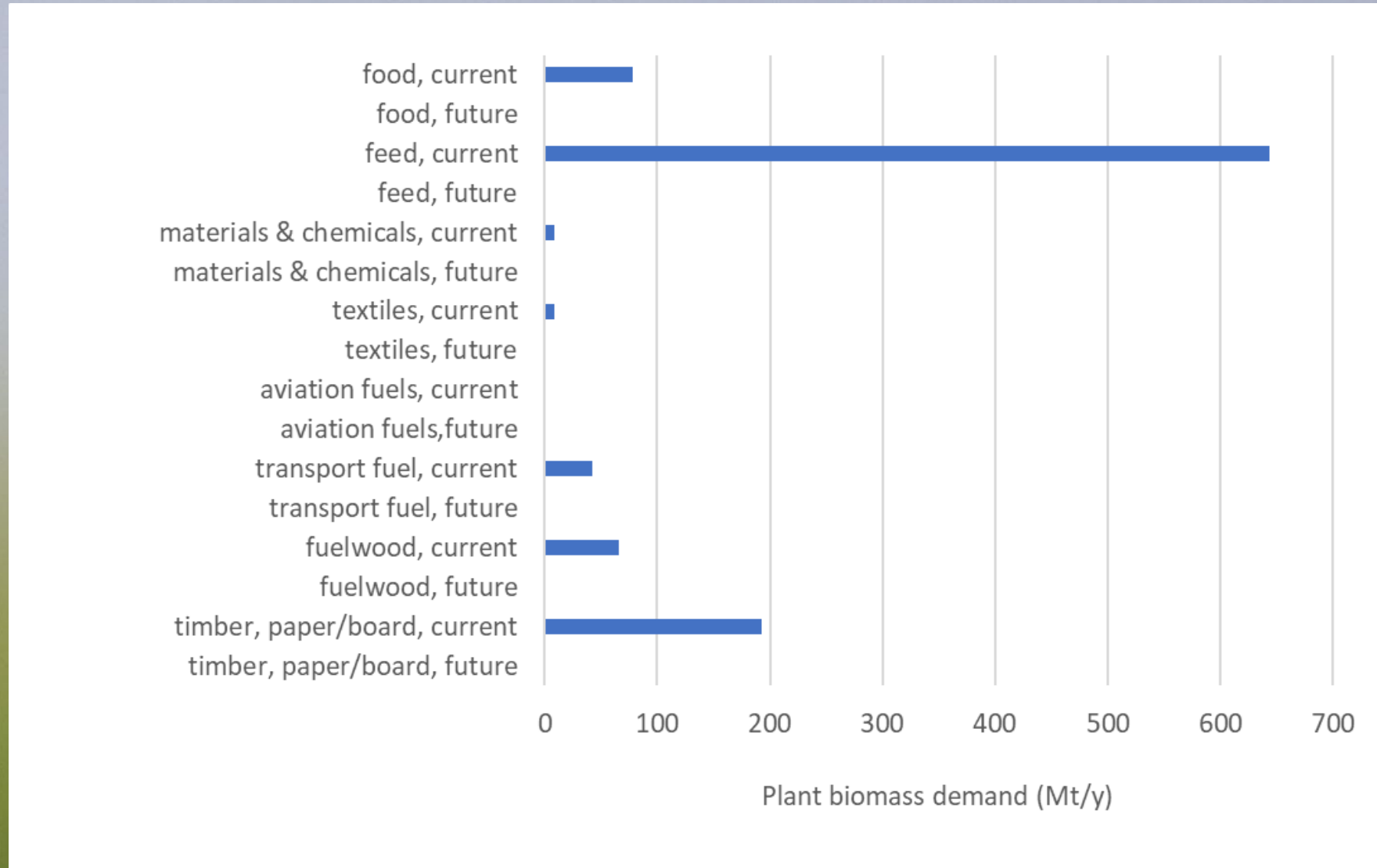
Excerpt of the Mansholt Lecture of 6-11-24

- Our context: Land use and biomass
- Food, feed, non-food
- 5 dilemmas

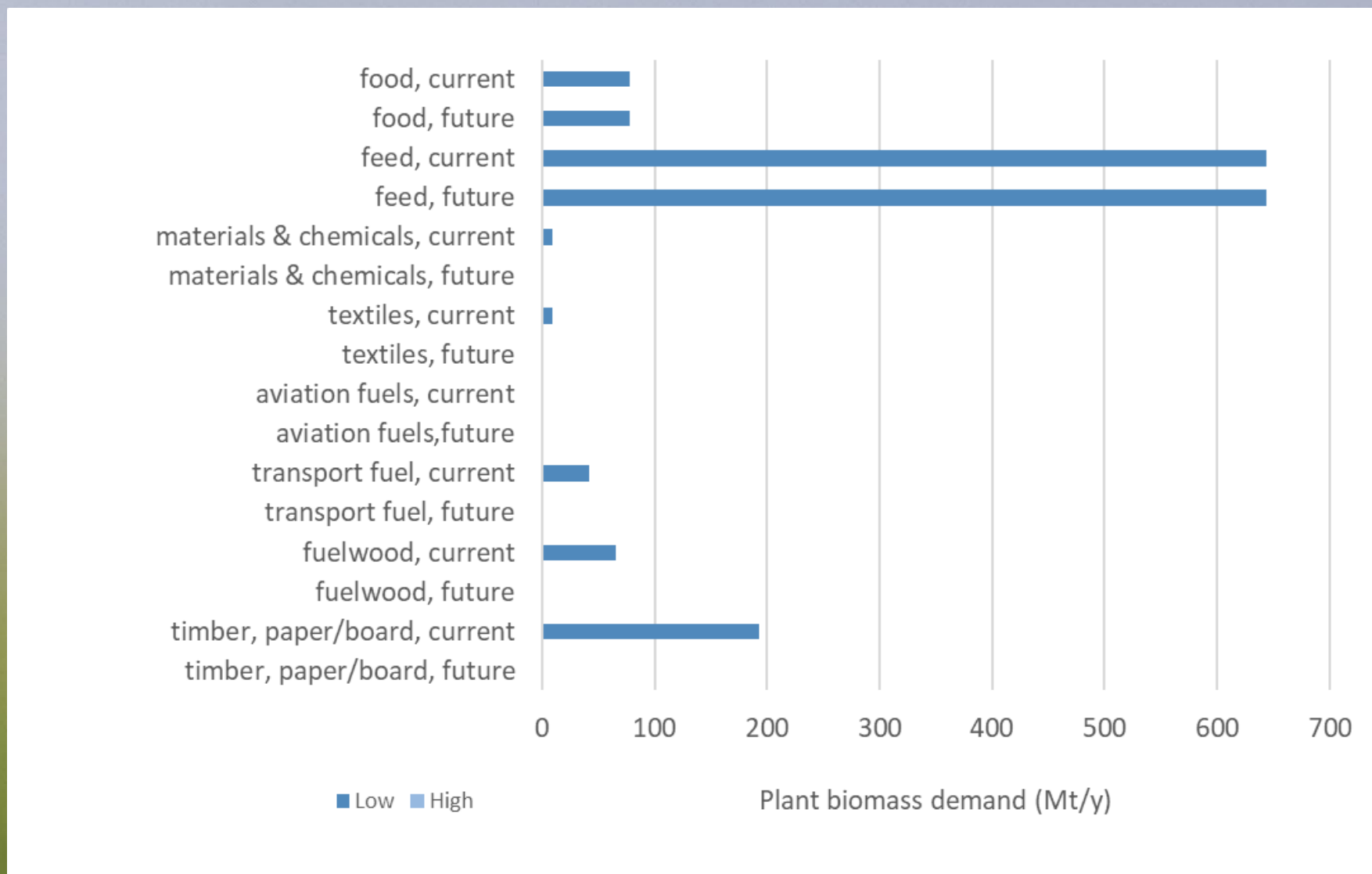
Current demand for plant biomass products in the EU



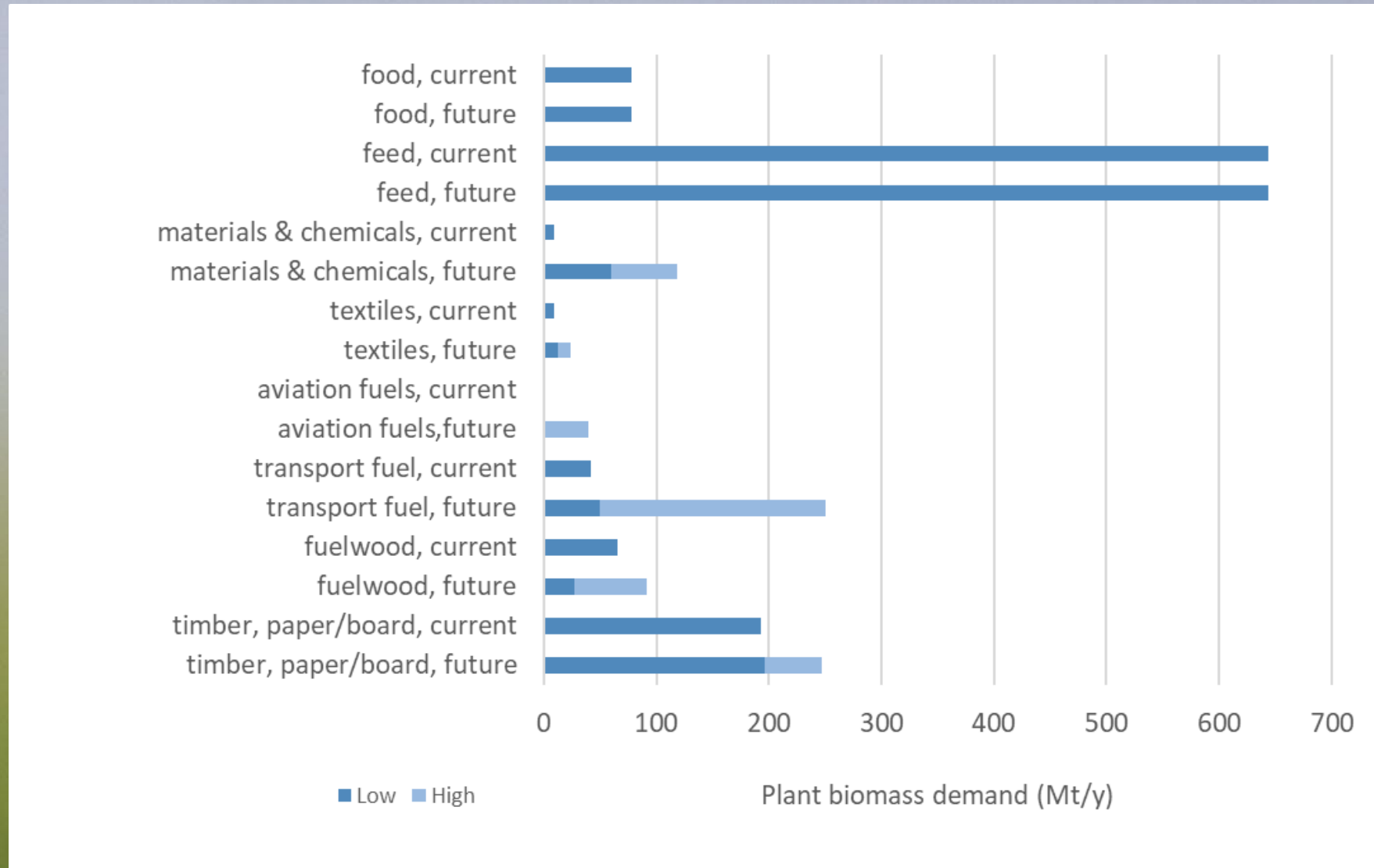
Current demand for plant biomass products in the EU



Current/future demand for plant biomass products in the EU



Current/future demand for plant biomass products in the EU

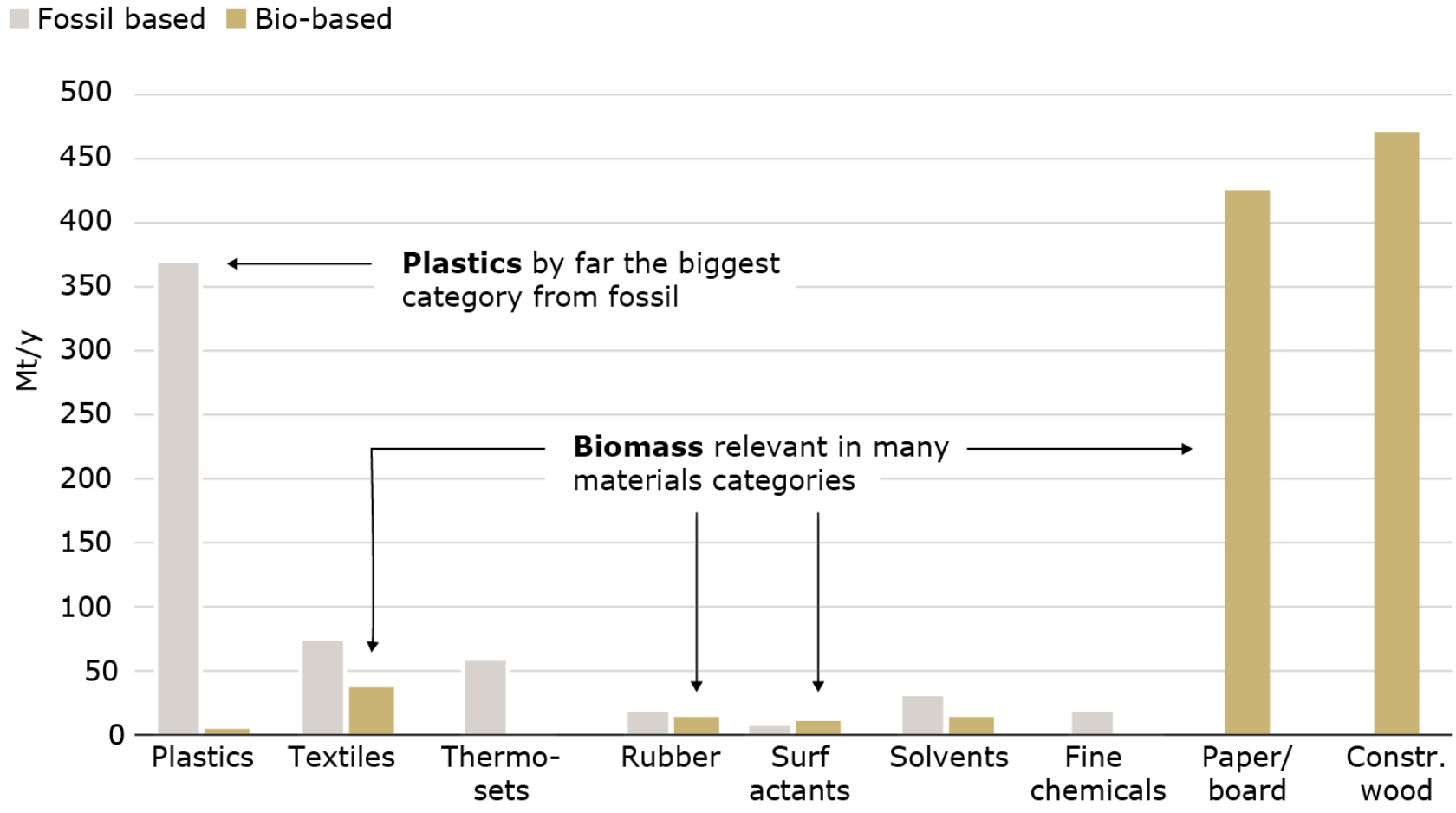




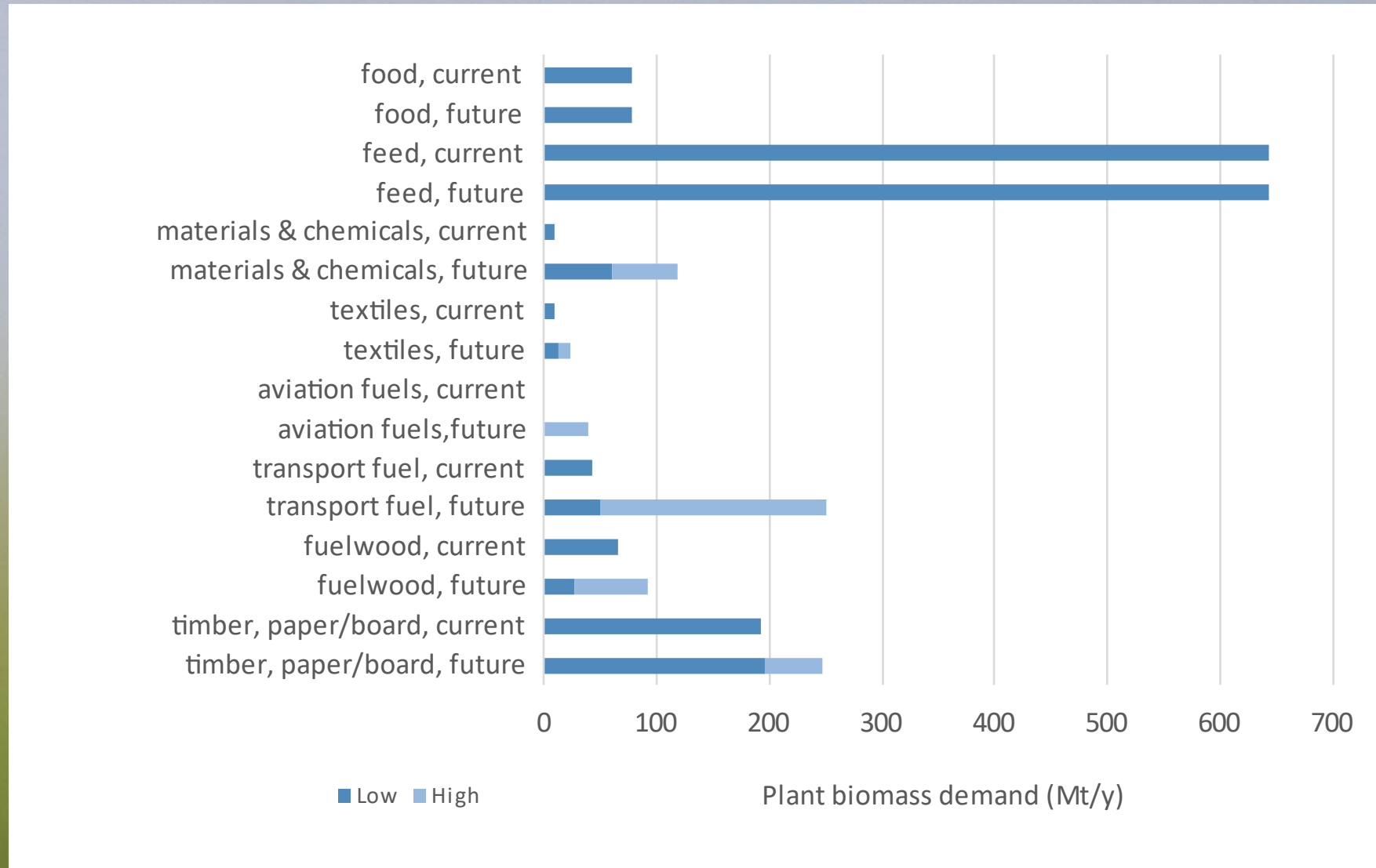




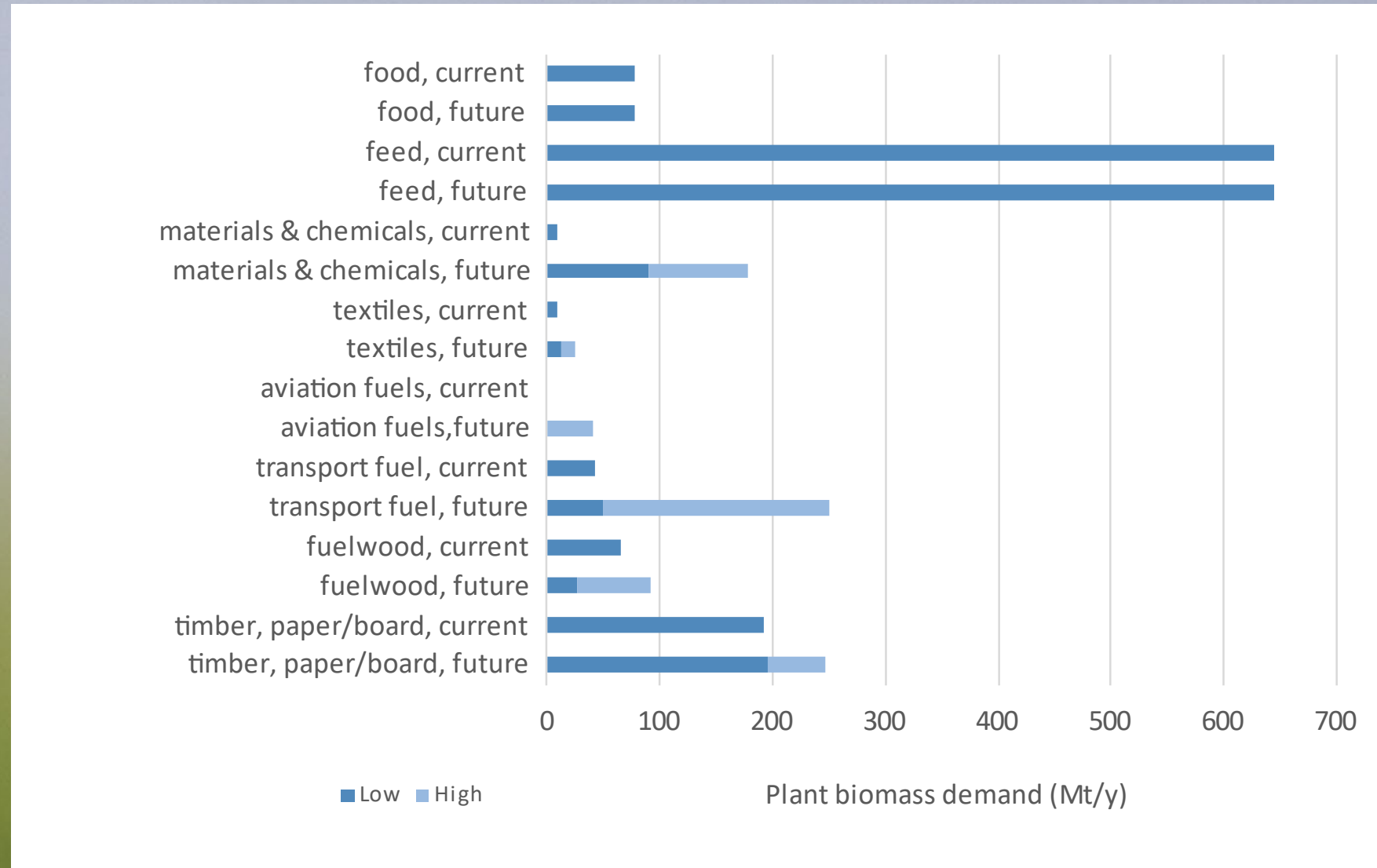
World-wide demand carbon-based materials



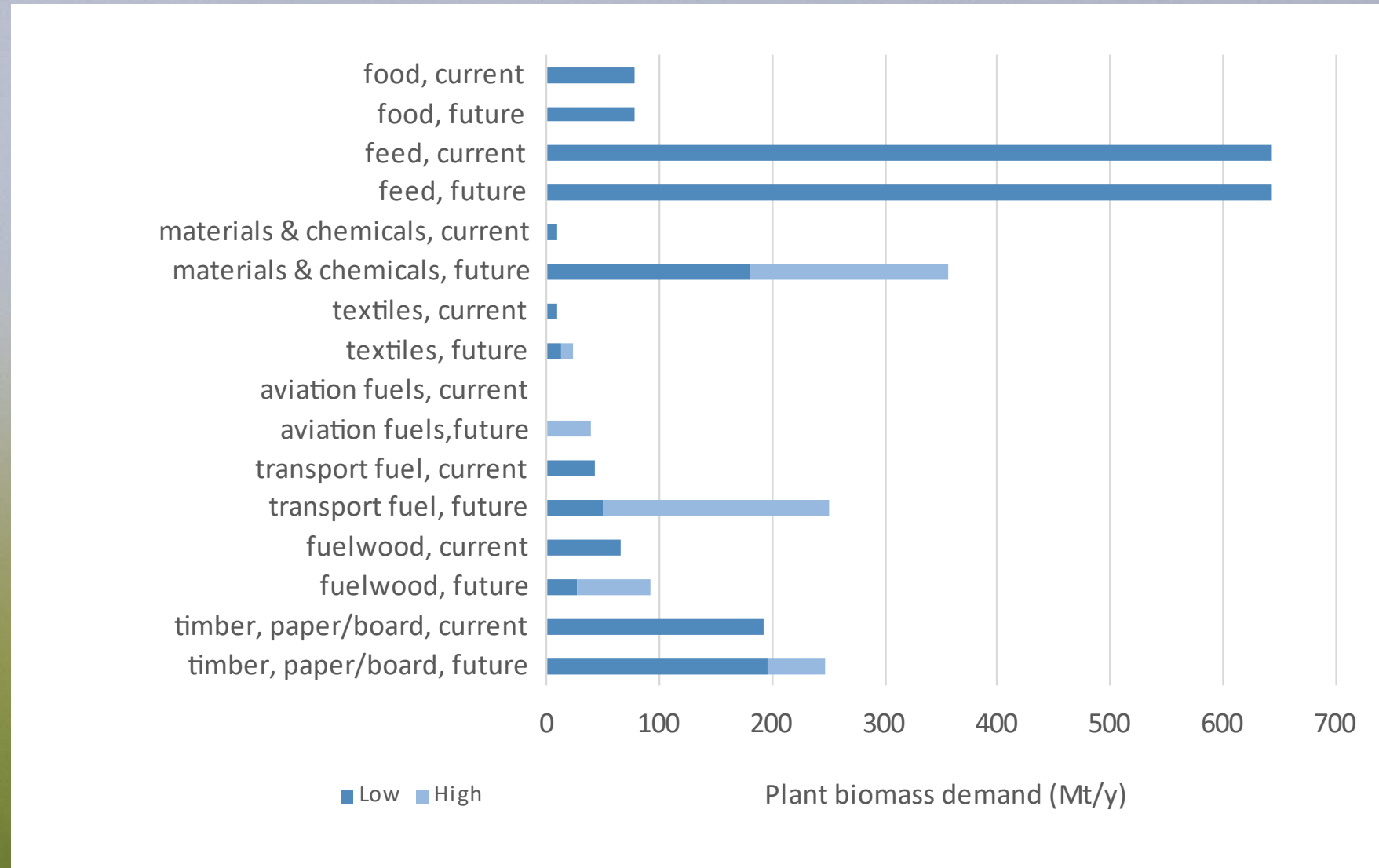
Current/future demand for plant biomass products in the EU



Current/future demand for plant biomass products in the EU

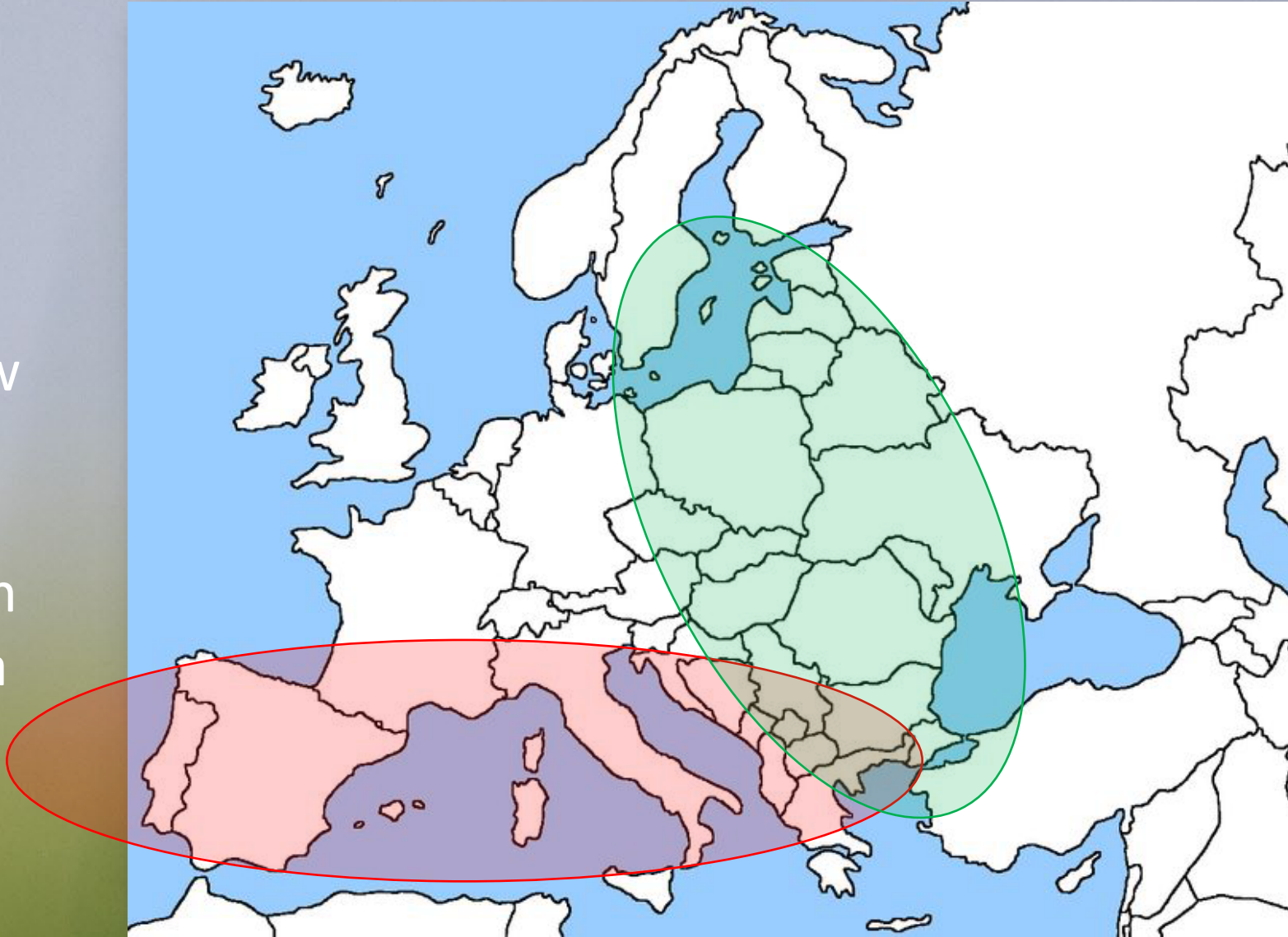


Current/future demand for plant biomass products in the EU



Present:
160 Mha
landbouw
grond

690 Mton
Biomassa

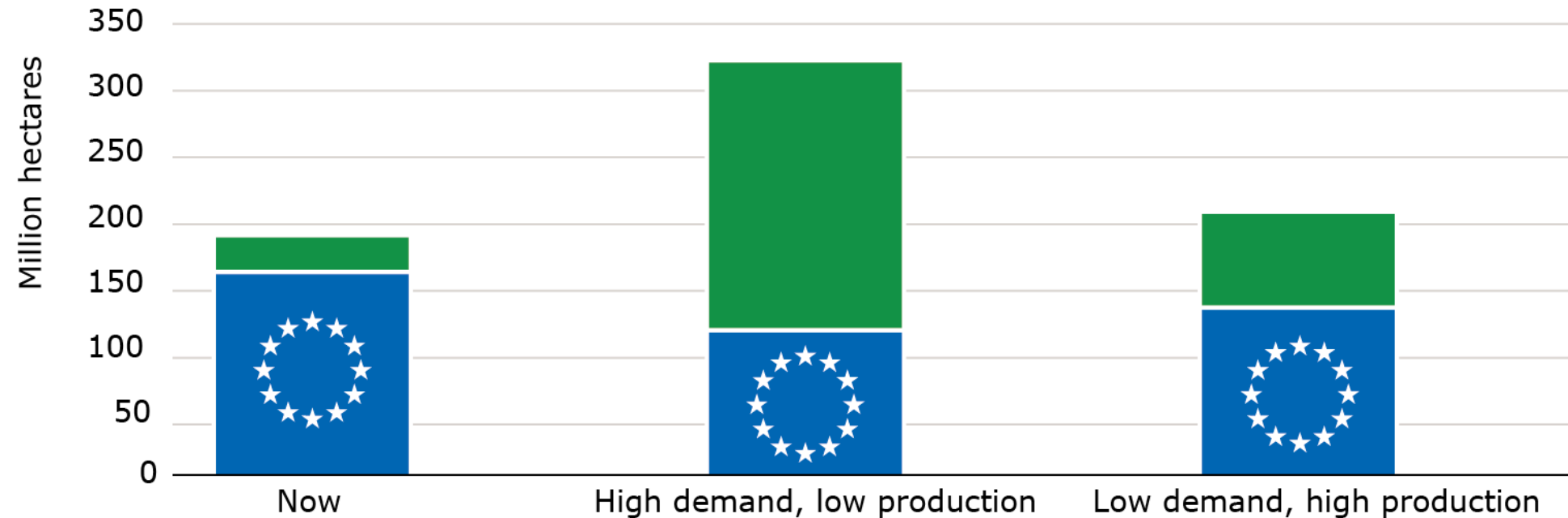


Future:
?? Mha
landbouw
grond

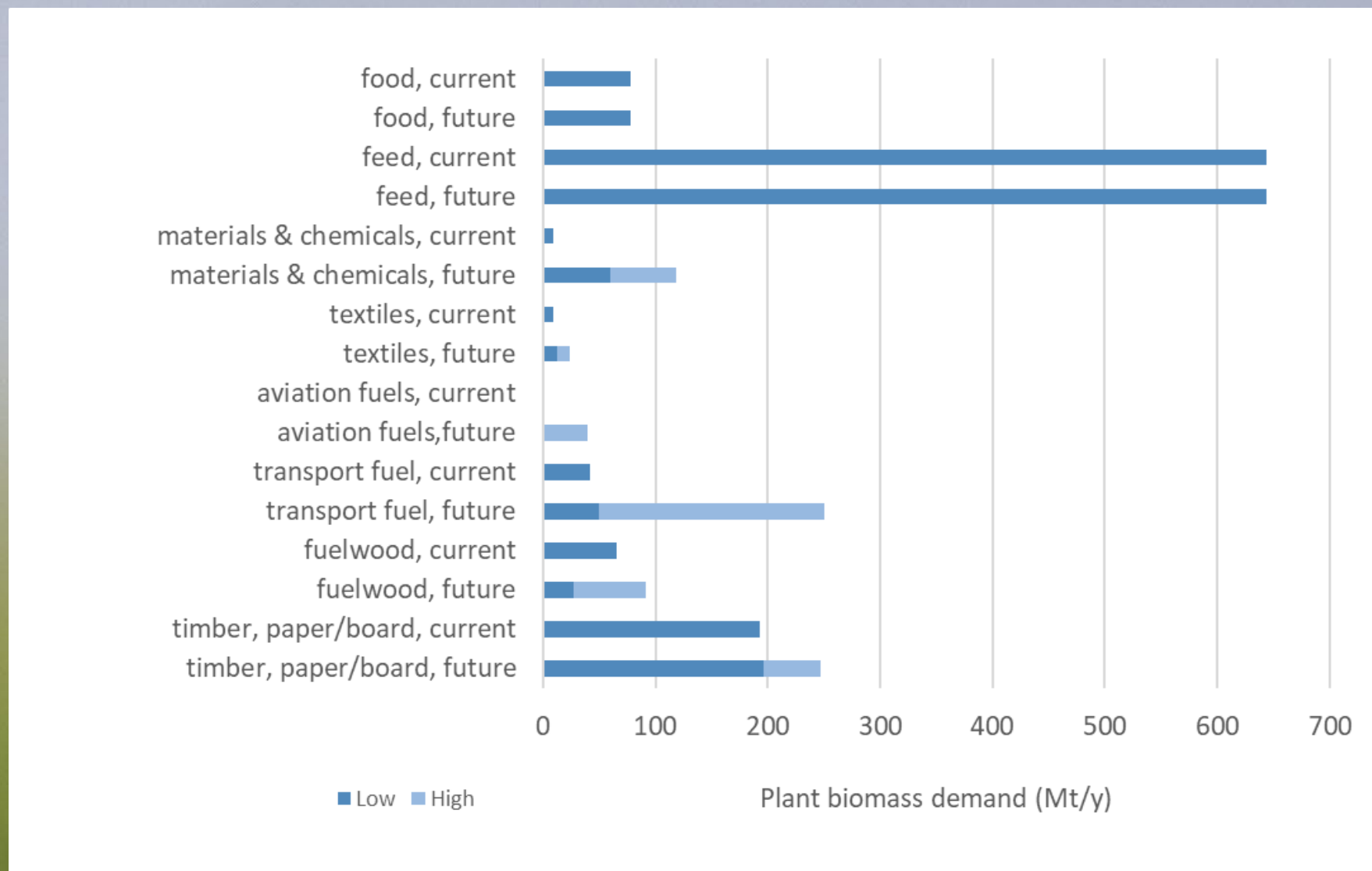
?? Mton
Biomassa

Required land use in Europe and the Rest of the World (RoW) by 2050

★ area Europe ■ area RoW

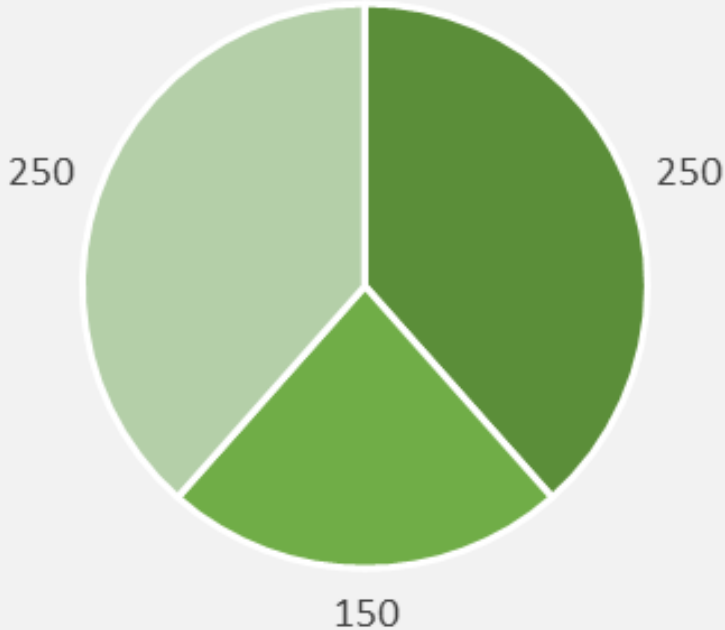


Current/future demand for plant biomass products in the EU

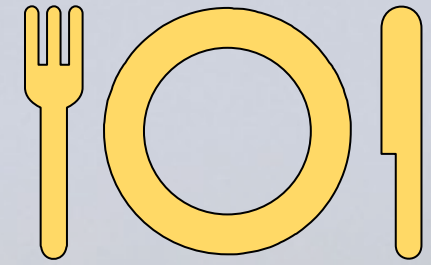


Biomass for feed

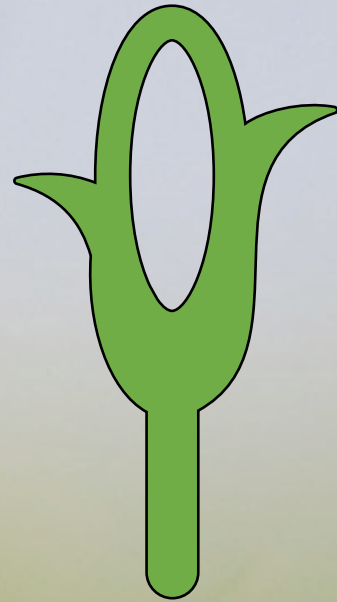
■ grazing ■ co-products ■ cultivated



Total use of biomass, dedicated cultivation/co-products



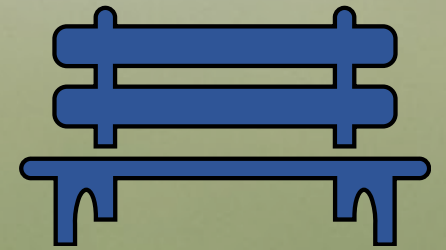
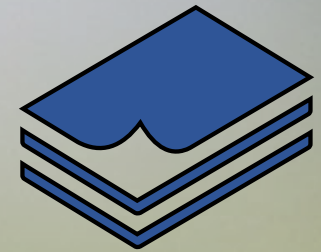
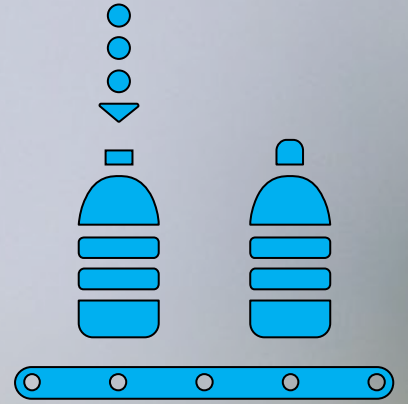
Starch,
sugar,
fat



Starch,
sugar,
fat

Protein

Fibres



← Protein

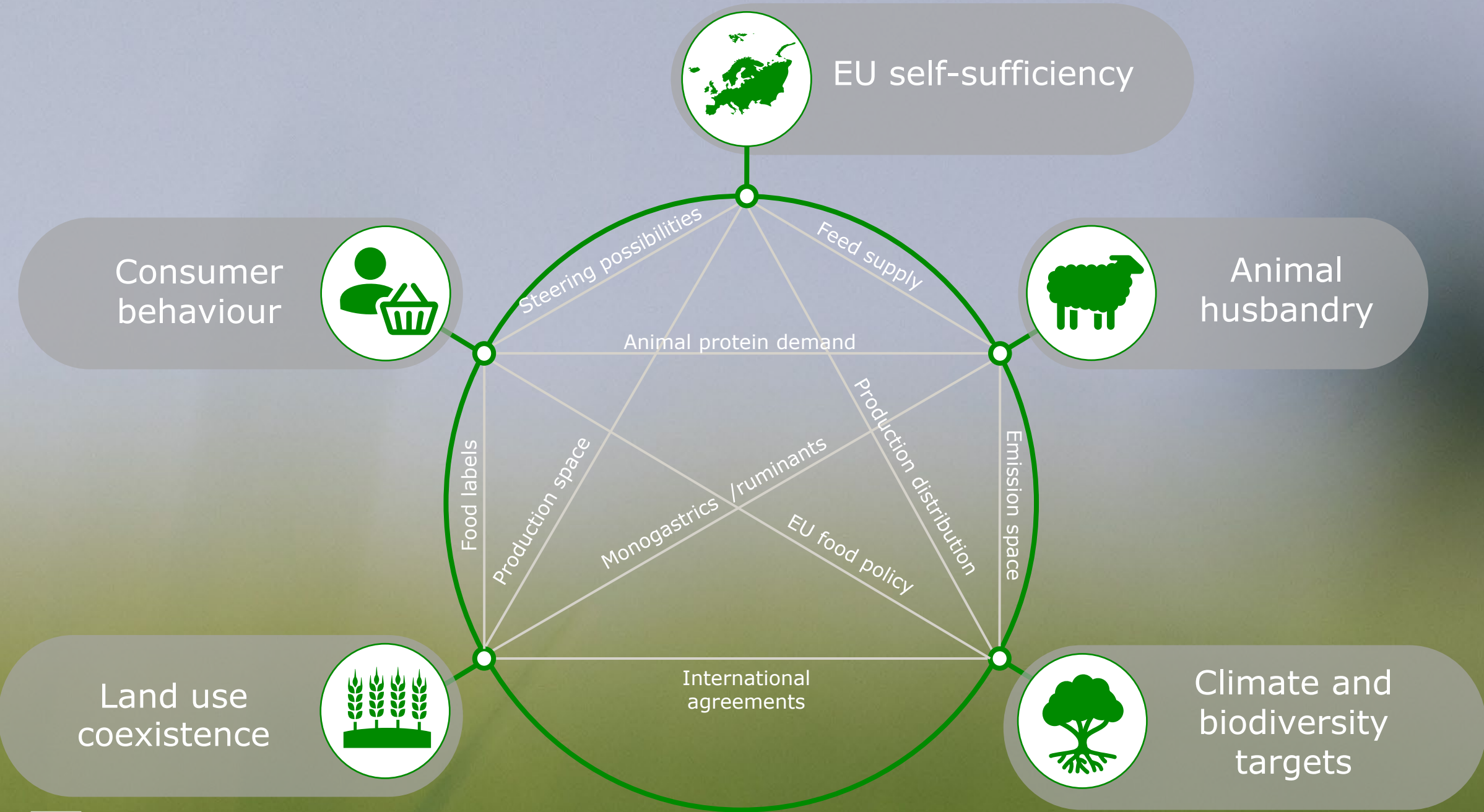
Food, feed

Non-food



5 Dilemmas





Land is a
limited
resource



WAGENINGEN
UNIVERSITY & RESEARCH

<https://edepot.wur.nl/676755>

Key dilemmas
on future
land use
for agriculture,
forestry & nature
in the EU



WAGENINGEN
UNIVERSITY & RESEARCH