



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



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Programme

- Our context: Land use and biomass
 - 5 dilemmas
 - Navigating complexity
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- The report: <https://edepot.wur.nl/676755>
 - The full presentation: <https://www.youtube.com/watch?v=gSG4Cue0Bwc&t=11s>



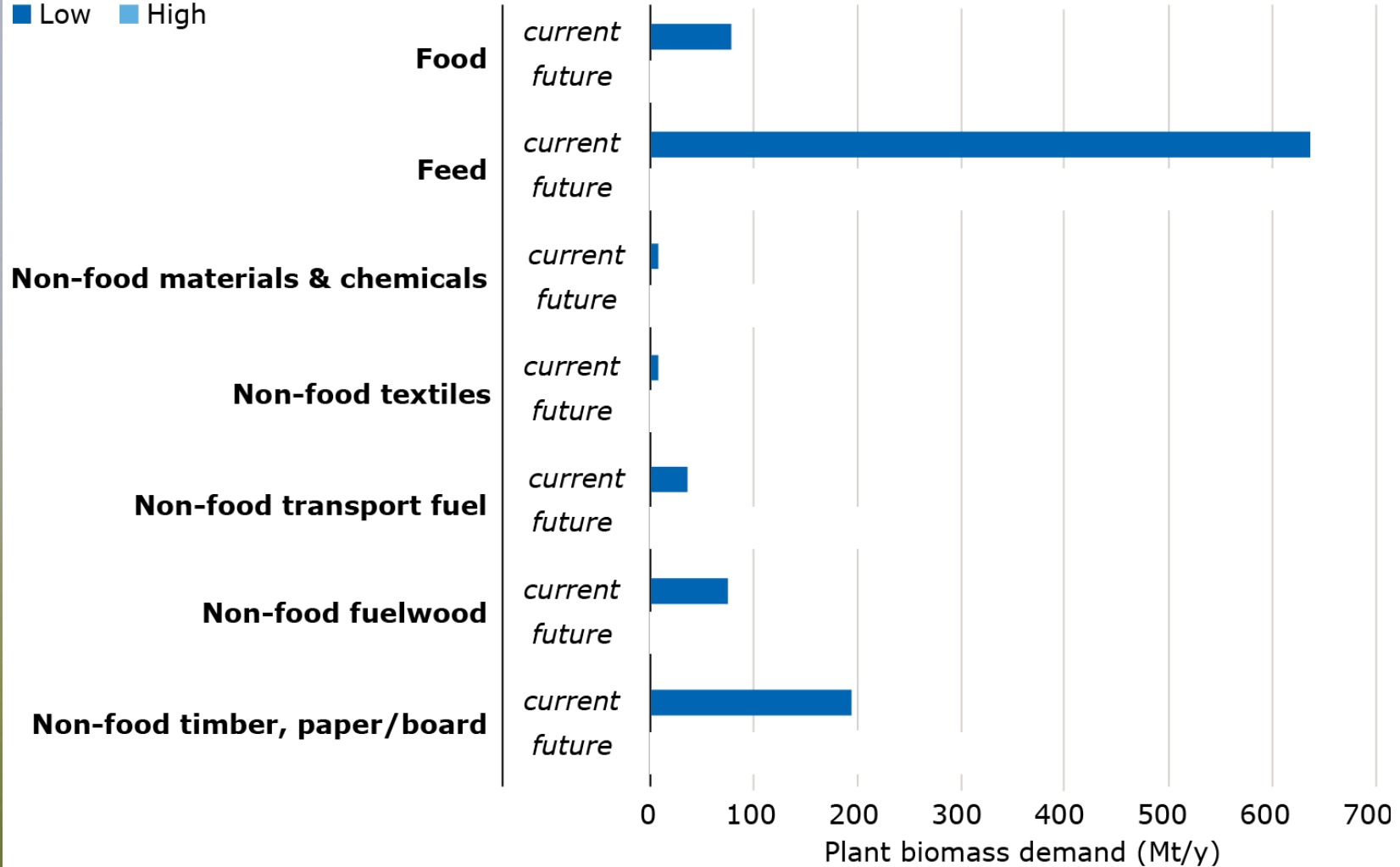
Context: Land use and biomass



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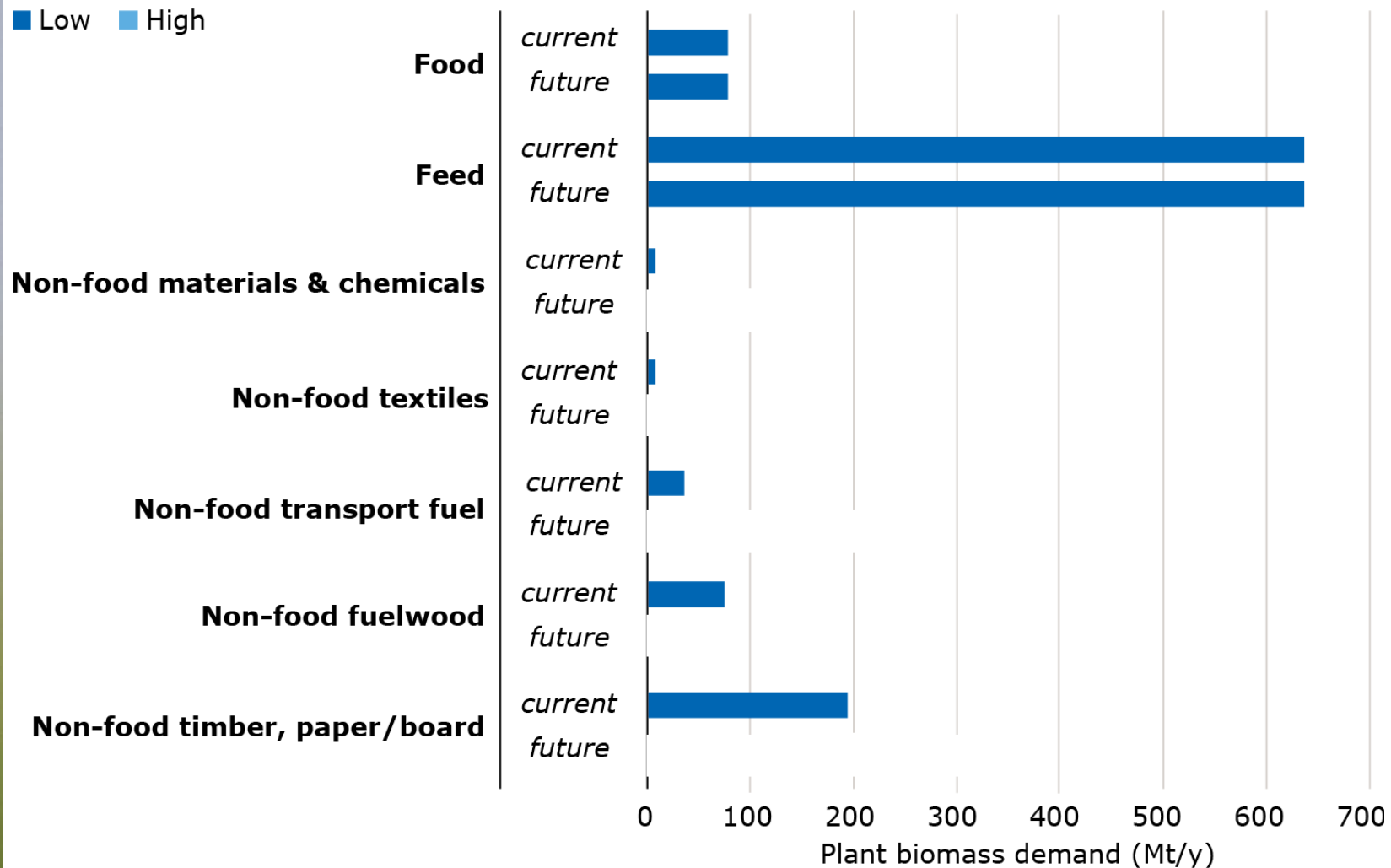
Current and future demand for plant biomass products in the EU

■ Low ■ High



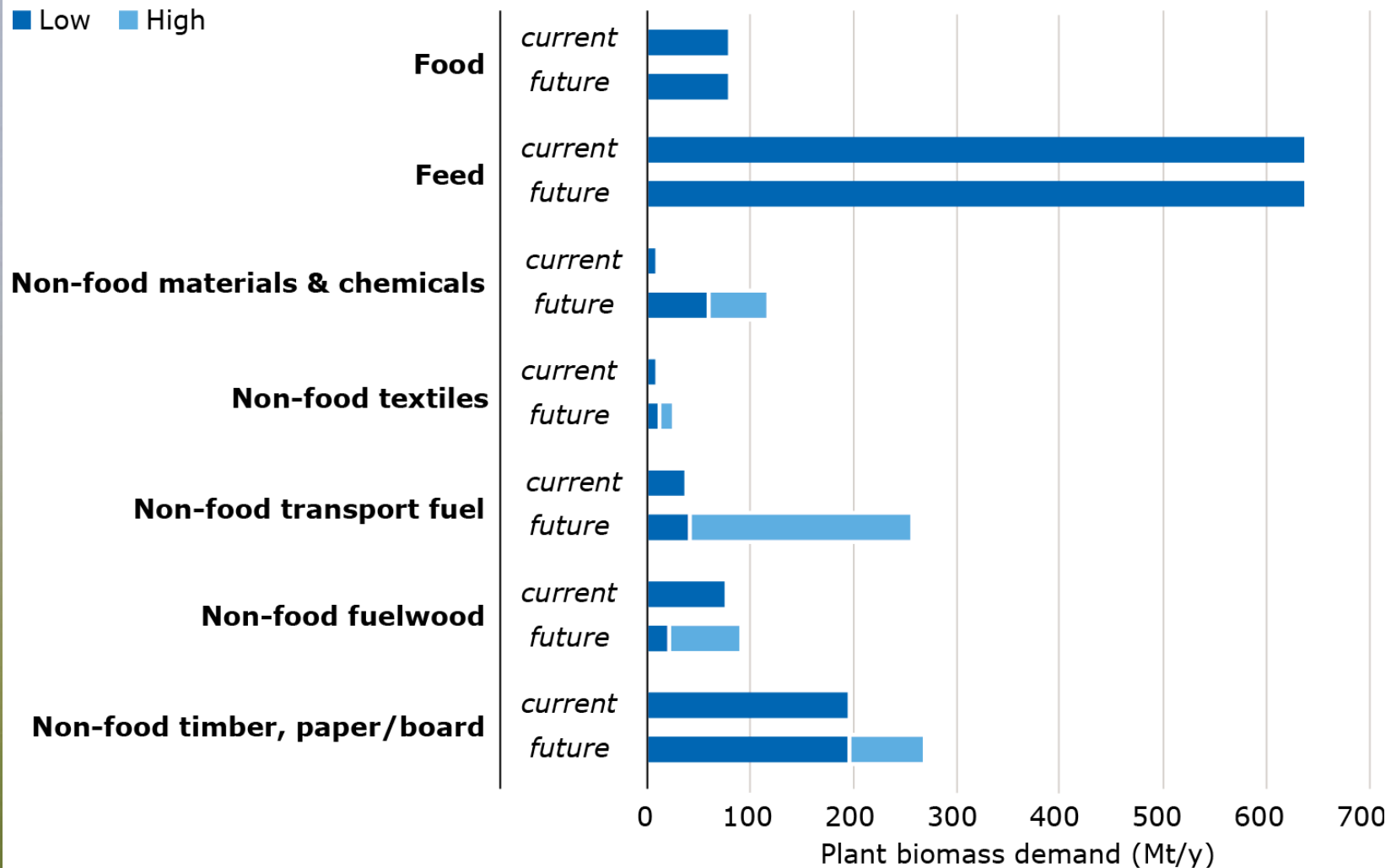
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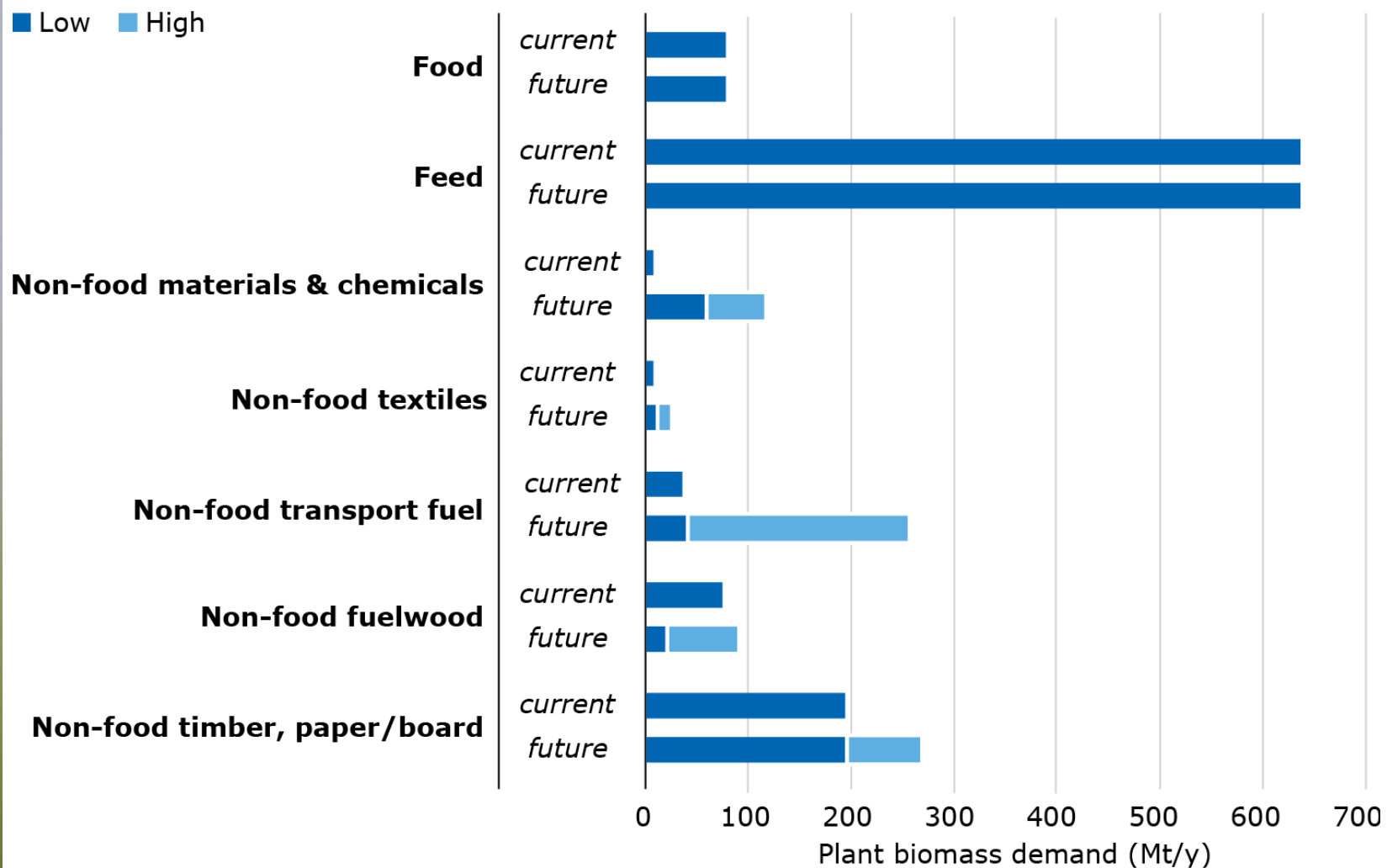
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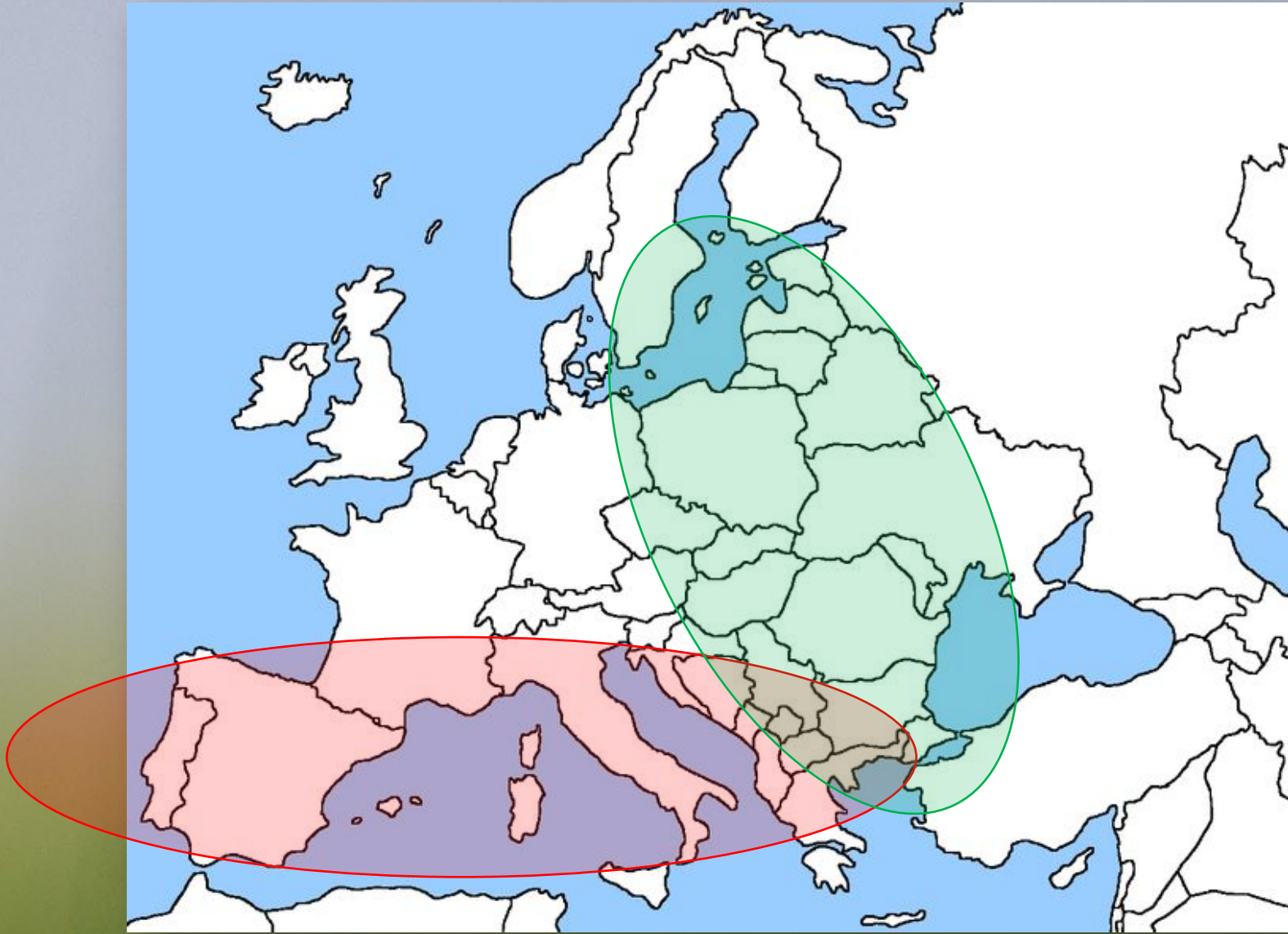
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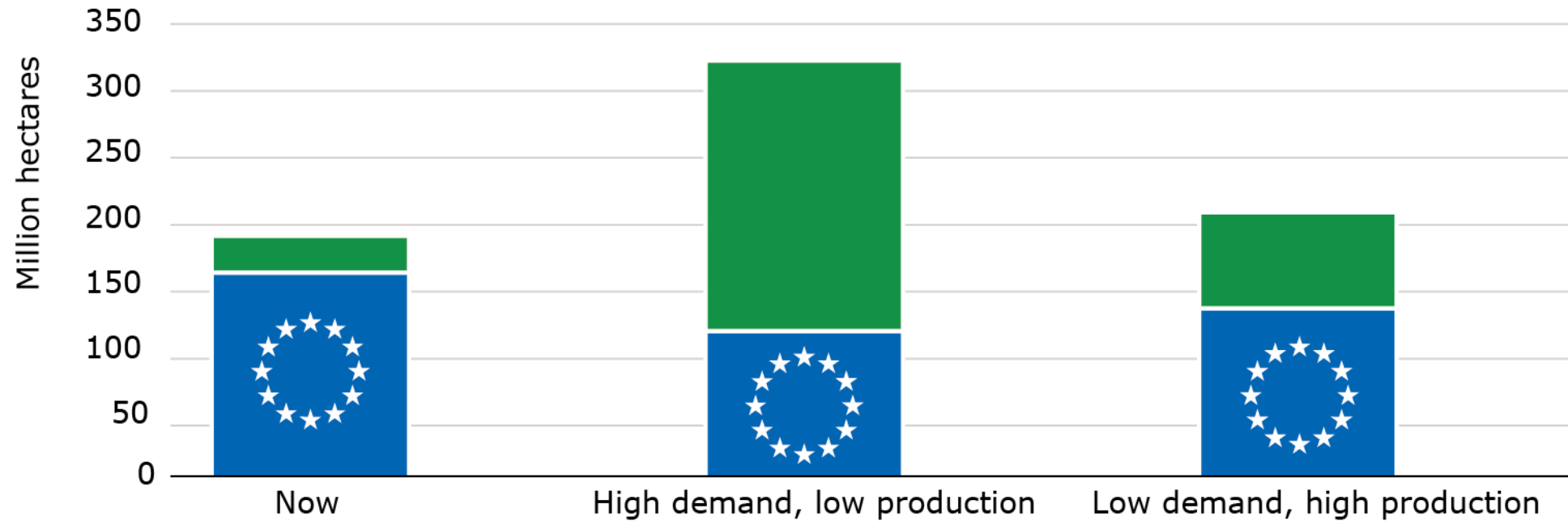
Current and future demand for plant biomass products in the EU





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

★ area Europe ■ area RoW



Land is a
limited
resource



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5 Dilemmas



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Dilemma: To what extent should the EU pursue self-sufficiency in its food and non-food biomass supply?



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Geopolitics and disruption of supply chains?

Externalising land use impacts?

Safeguarding food production?

Free biomass trade?

EU land use strategy?

Affordability

Availability



A large flock of sheep is grazing in a grassy field. The sheep are mostly white with some black markings on their backs. They are scattered across the field, some standing and some grazing. In the background, there are rolling hills and mountains under a blue sky with white clouds. A green banner is overlaid on the image with white text.

Dilemma: What roles are envisioned for animal husbandry in the EU?



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Utilising grass and co-products or also food crops?

Dependency on feed imports?

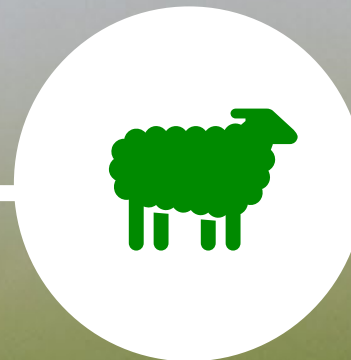
Balancing cattle, pigs & chicken?

Land use pressure?

Proteins from grass?



Animal-based proteins



Plant-based proteins



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Dilemma: At what scale should food and non-food biomass production coexist with biodiversity and address climate targets?



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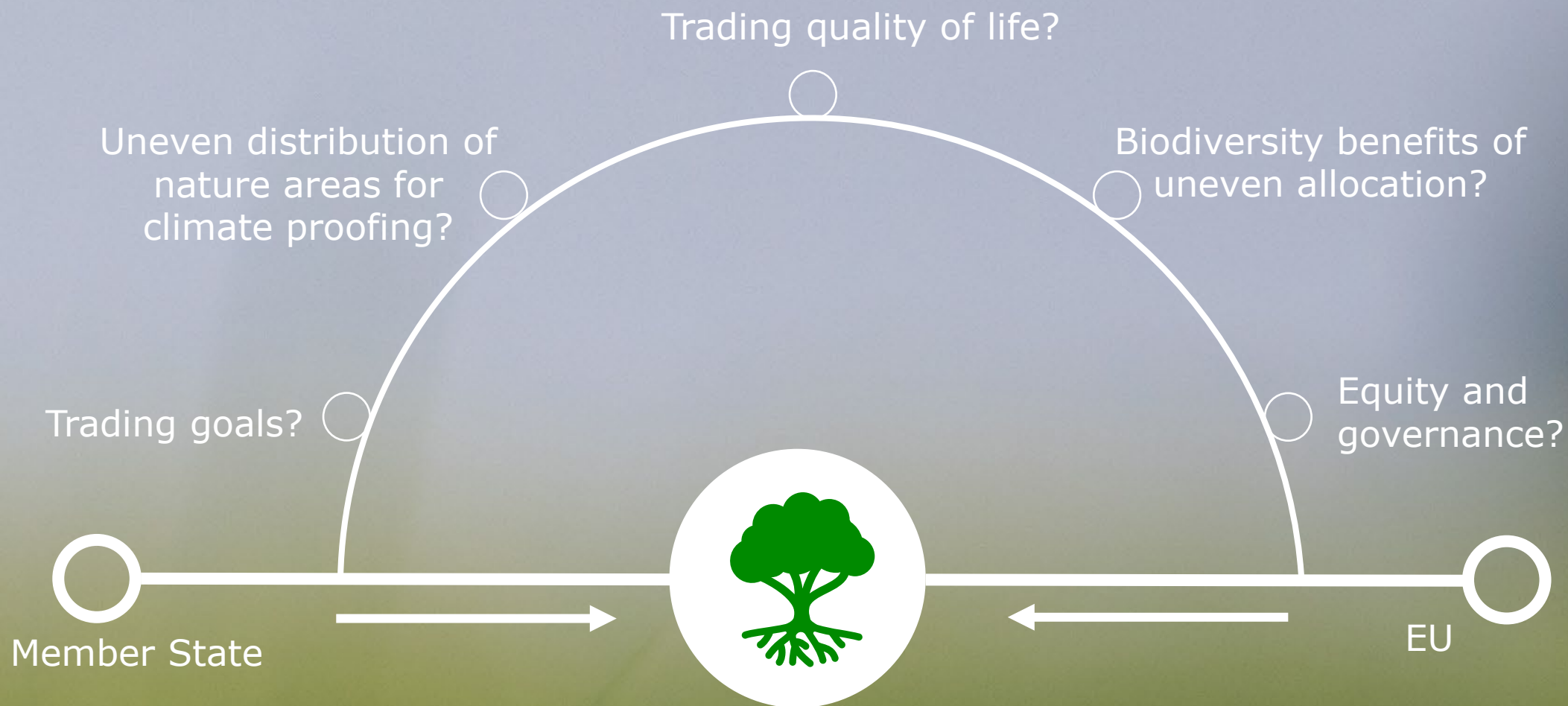


Two European Bee-eaters (Merops philippinus) are perched on a horizontal wooden branch. The bird on the left is facing right, holding a small insect in its long, dark beak. The bird on the right is facing left, looking towards the first bird. Both birds have reddish-brown heads, yellow chests, and long, blue-tipped tails. The background is a soft, out-of-focus green.

Dilemma: Climate and biodiversity targets: a shared EU responsibility or tailored to each Member State?



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A person wearing a light blue long-sleeved sweater is pushing a metal shopping cart with blue handles. The cart is filled with various groceries, including a loaf of bread in a plastic bag, a yellow bag of chips, and other items. The background shows a supermarket aisle with shelves stocked with various products. A green rectangular box is overlaid on the image, containing the text.

Dilemma: To what extent should policies intervene in consumer behaviour?



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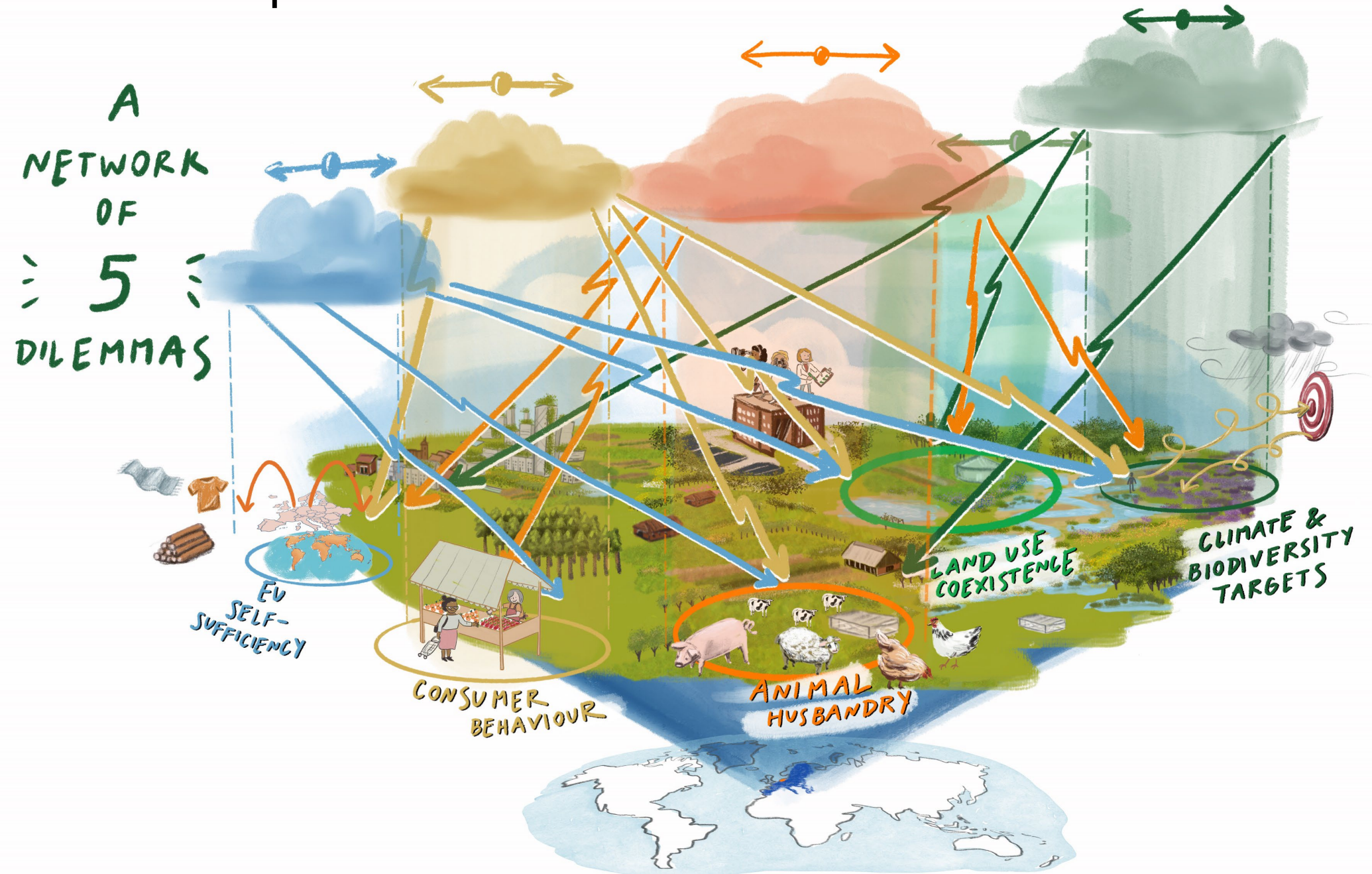


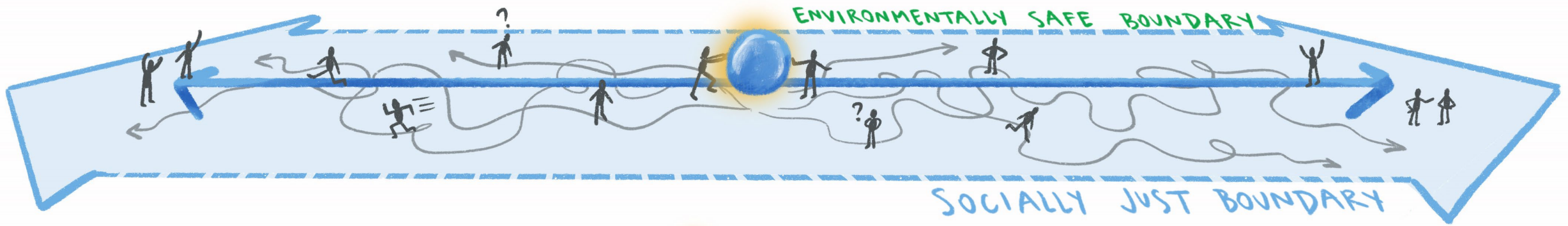
Navigating complexity



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There are no pain-free choices







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