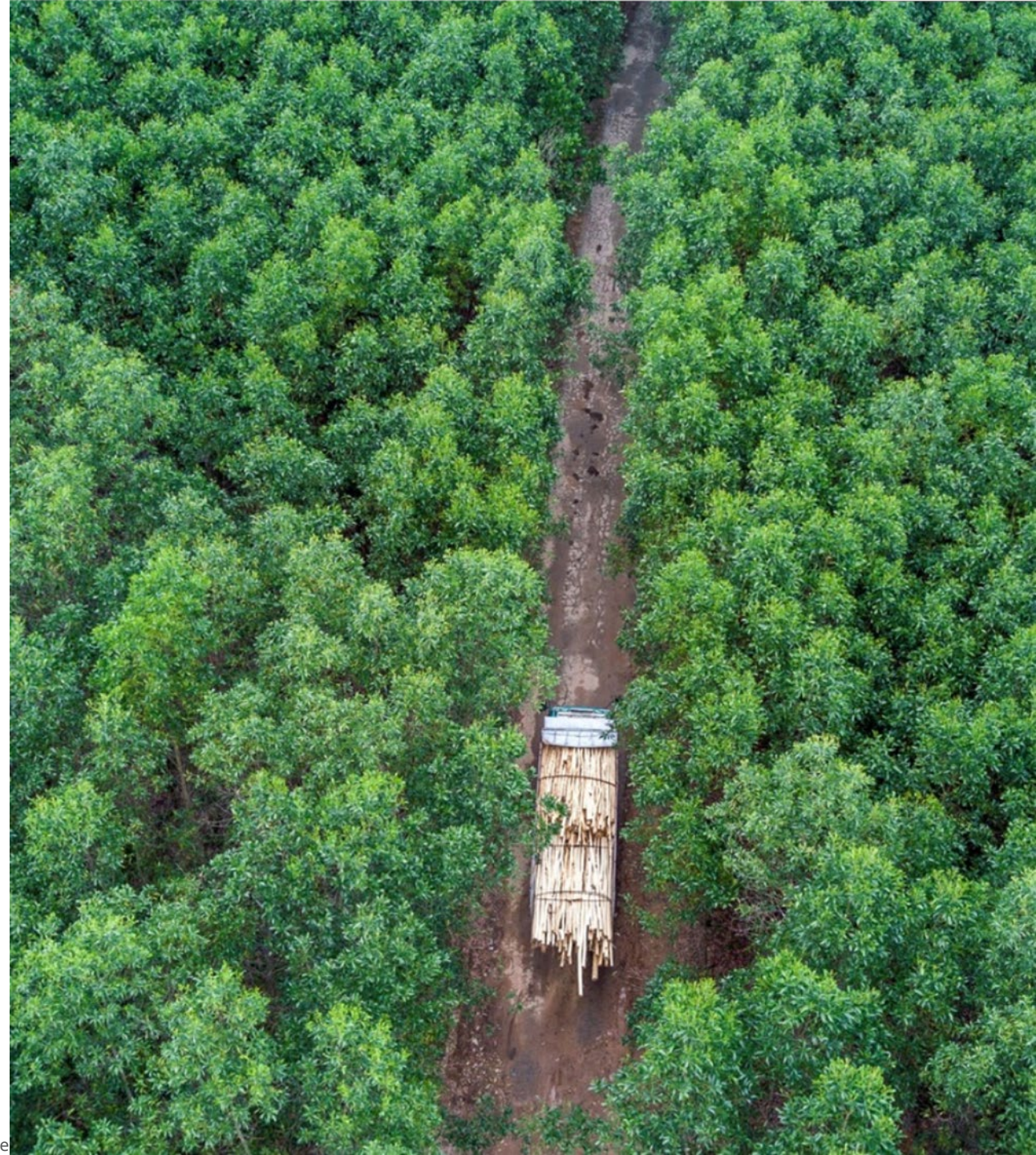


Material Direction @ IKEA

Stefan Månsson

Material & Innovation Development
Manager



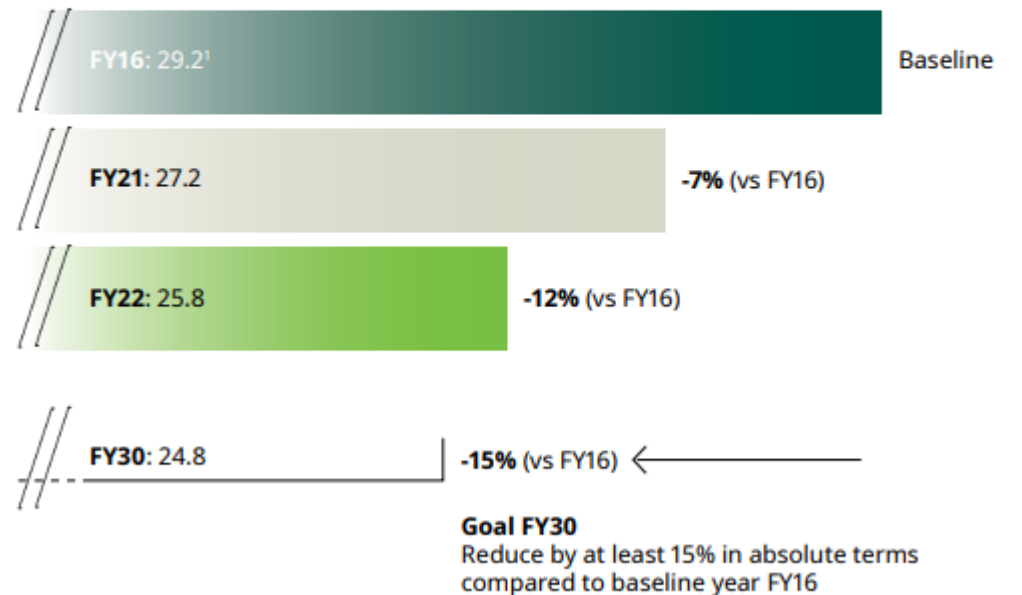
Significantly reduce IKEA's climate footprint

Meet the Paris agreement

Decrease with at least 15% vs 2016

IKEA climate footprint

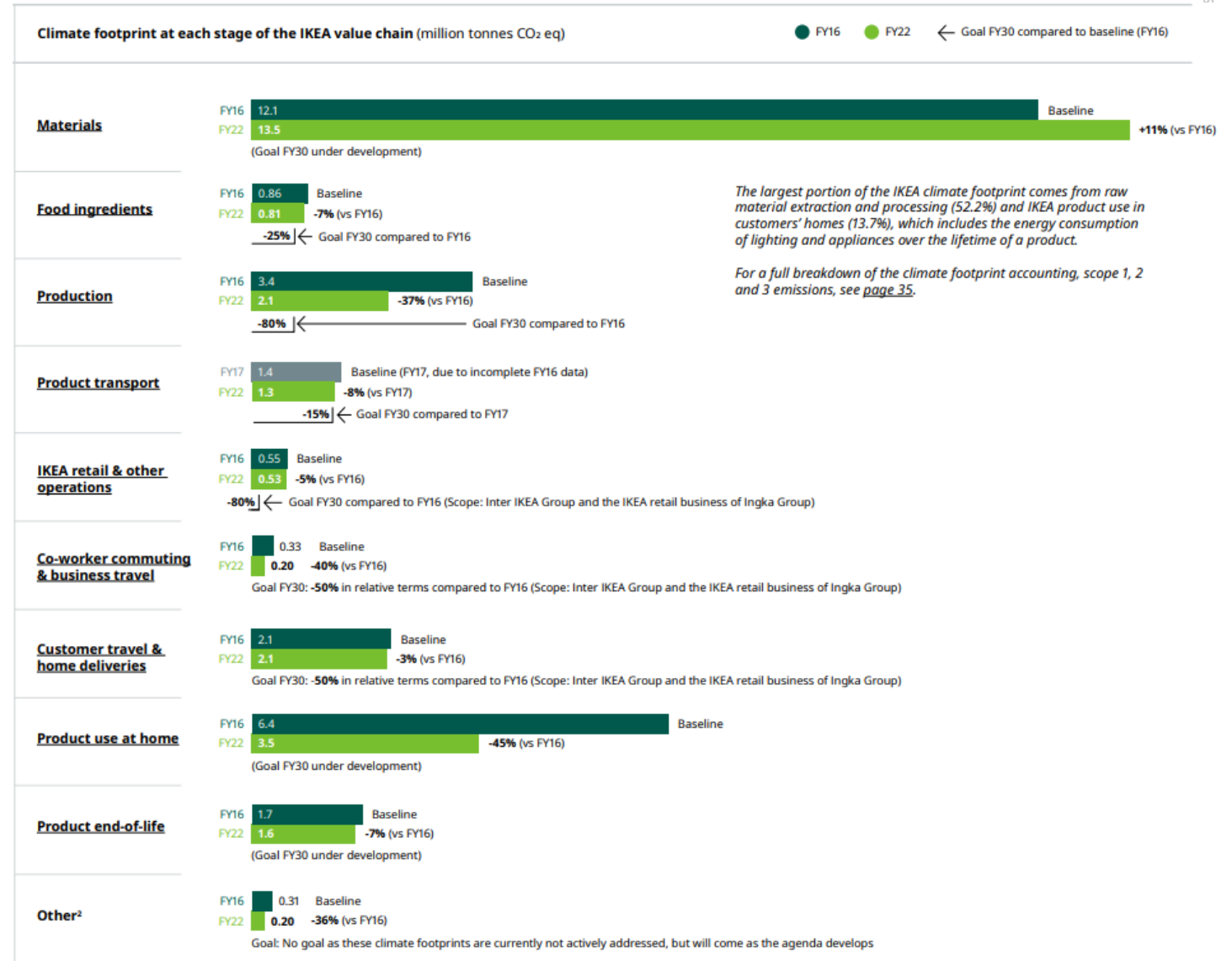
Performance vs. baseline FY16 (million tonnes CO₂ eq)



IKEA's value chain from material extraction to end of life

Of IKEA's value chain, the largest share of CO2 equ. :

- Materials (raw material extraction & processing)
- Product use at home
- Production
- Customer travel & home deliveries

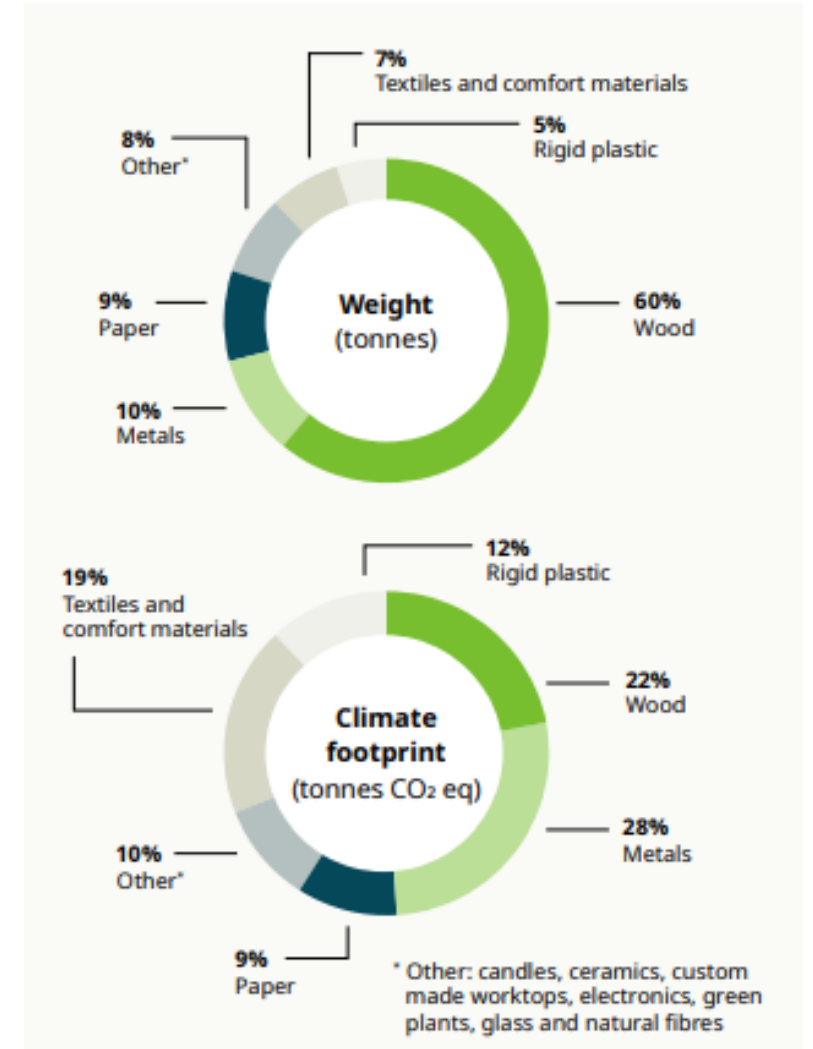


Wood is a key material for IKEA

To create a better everyday life for the many people

Materials:

- Sustainable
- Affordable
- Available
- Responsibly sourced
- Traceable



Share of material weight (% tonnes) vs. climate footprint (% tonnes CO₂ eq)

Moving towards Recycled & Renewable material

KEY CHALLENGES:

Food: Portfolio of alternative proteins, customer acceptance

Natural fibres: Manufacturing technologies

Candles: Alternatives to paraffin

Textile: Recycling technologies - textile to textile,
Dyeing techniques reducing water and chemicals

Paper: Alternative to fossil based glue, water reducing technologies

Green plants: Alternatives to Peat moss & sand

Wood: Bio-based Glue & Coating



Moving towards Recycled & Renewable material

KEY CHALLENGES:

Comfort material: Alternatives to Foam, rePolyol, legacy chemicals

Engineered stone: Resins and glue

Rigid plastic: Chemical recycling technology, Non-plant based raw material

Metal: Sourcing of scrap metal, More from less, Lower emission steel

Glass: Sourcing of right quality for recycling, furnace heating technology

Ceramics: Recycled content, kiln heating technology, alternative energy sources

Appliances: EPS free packaging, PVC free cords and cables



Moving towards Recycled & Renewable material

THE CHALLENGE

Sustainable
AND
Affordable



