

KG 2021

Webinar 2021-06-09

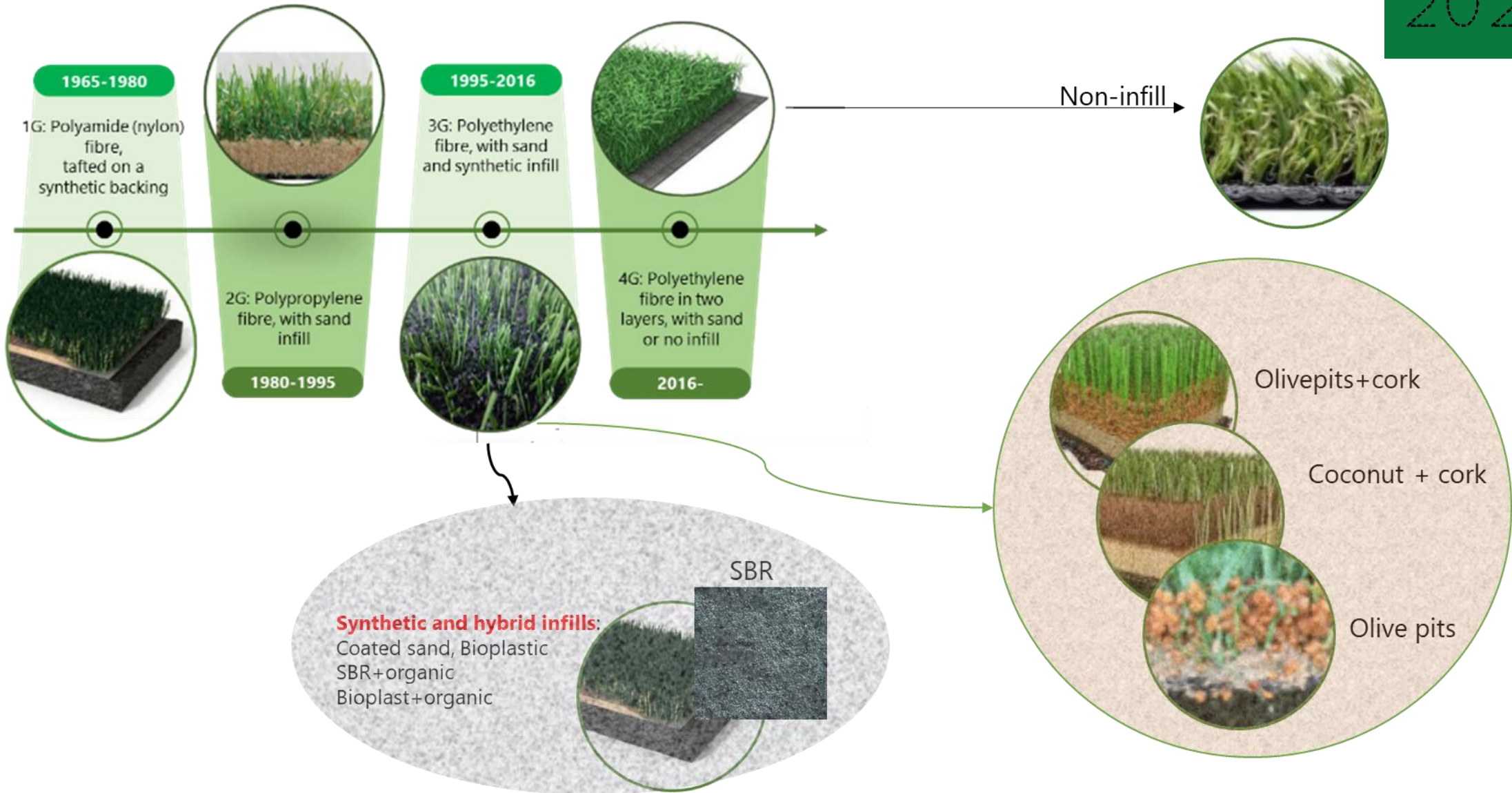
SIAT – Centre for Sports Facilities and
Technology NTNU Trondheim, Norway

Bjørn Aas

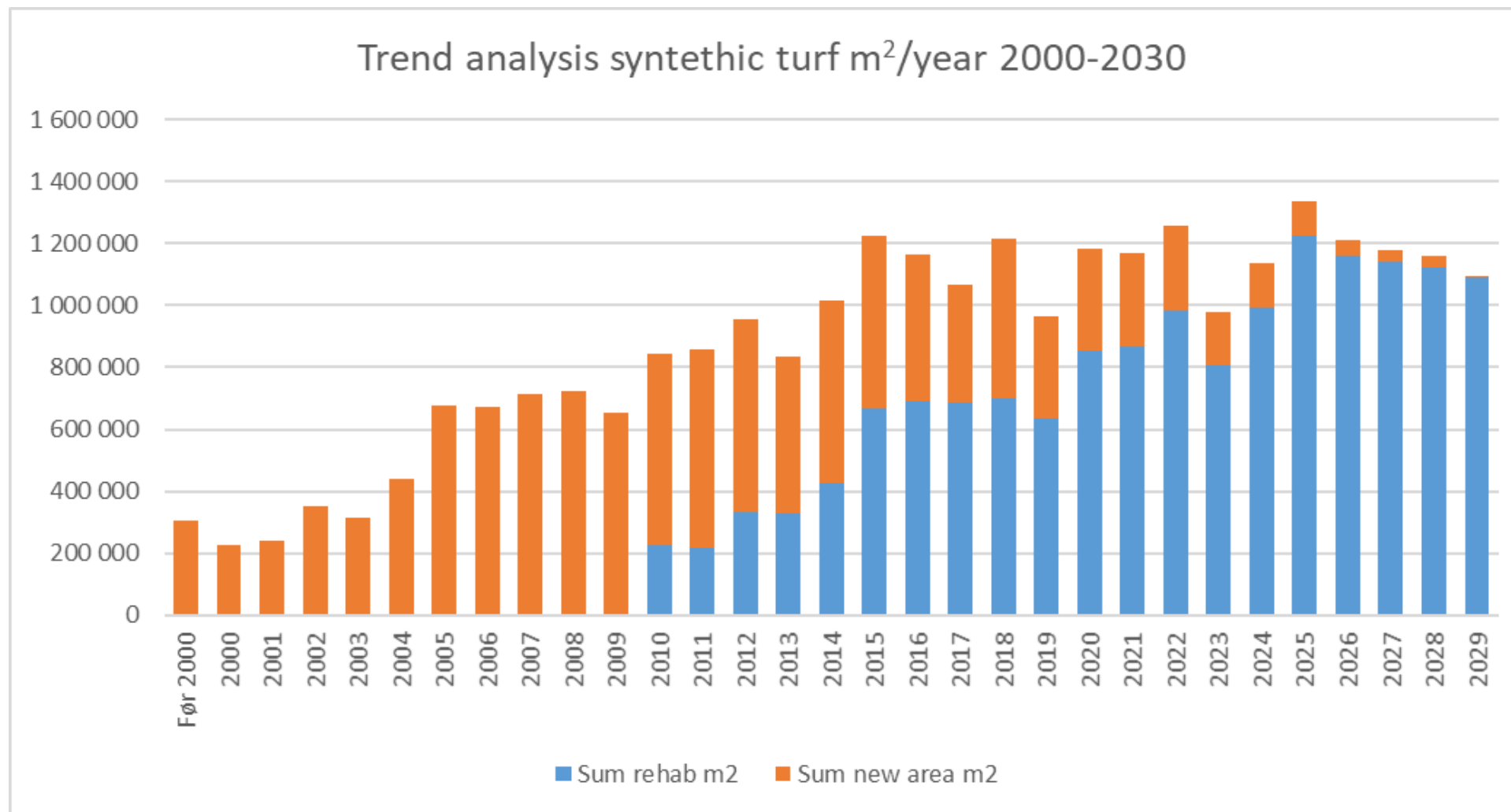
Rolf André Bohne



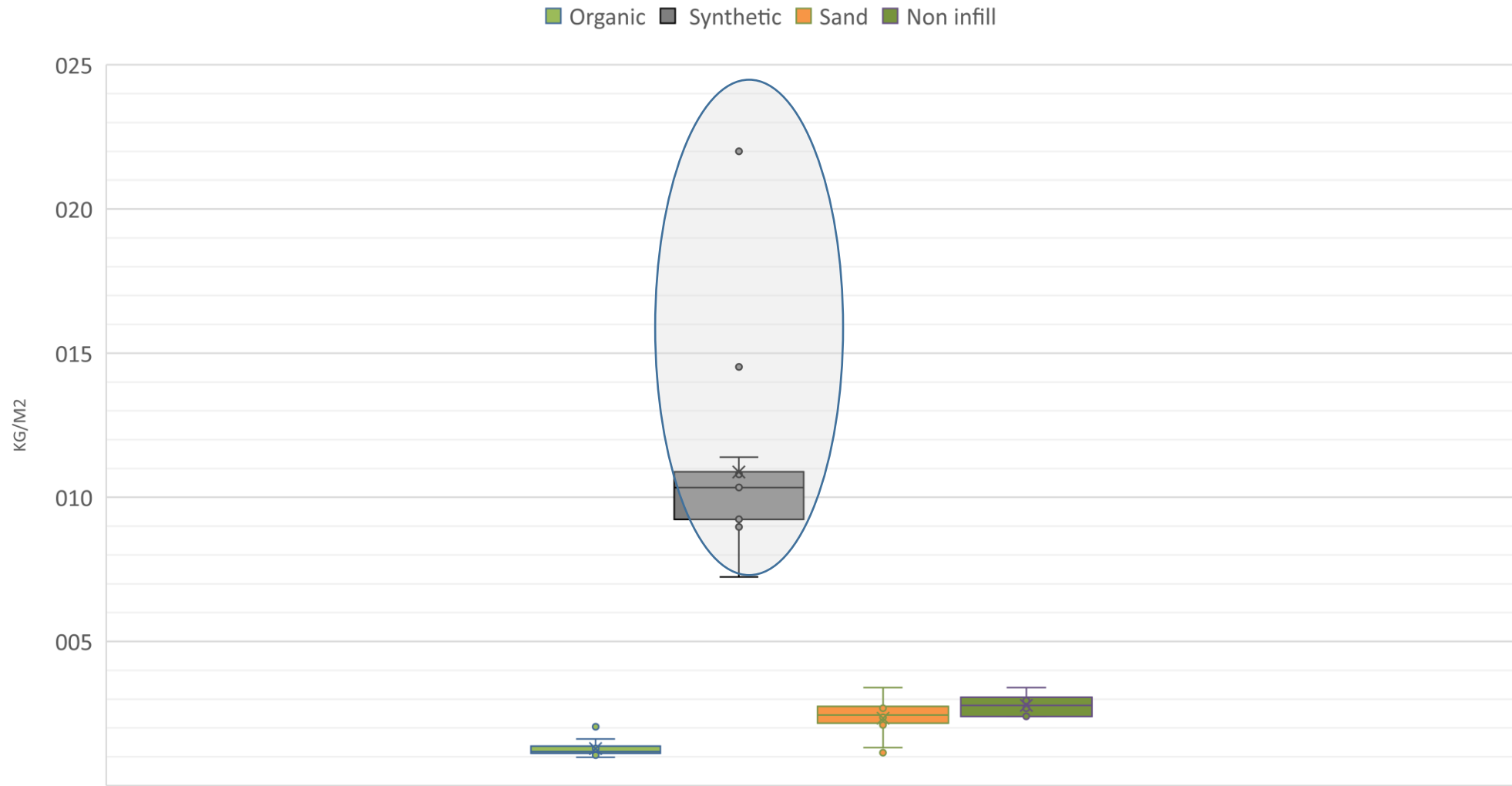
Turf systems and infills



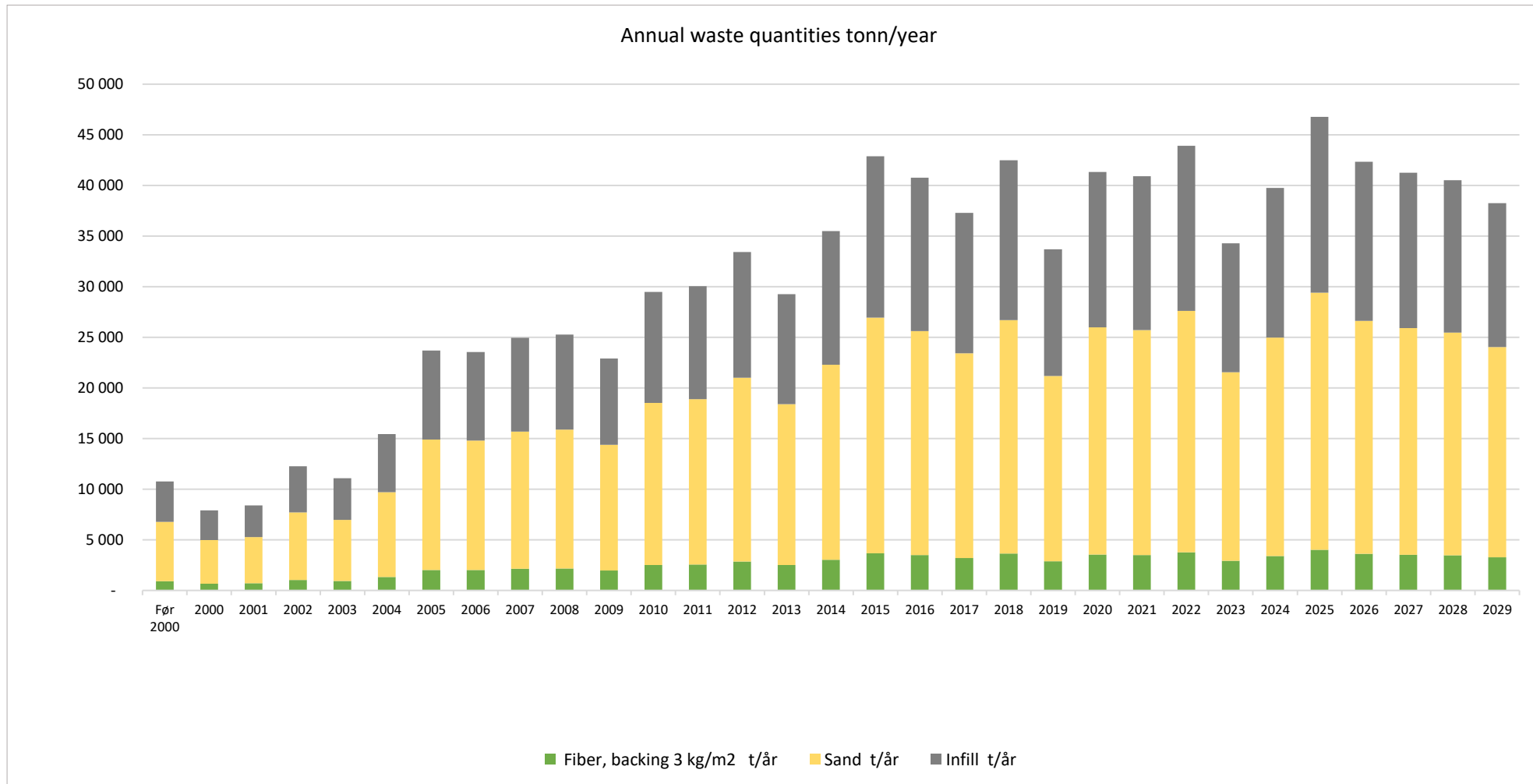
Synthetic turf market - Norway



Weight of synthetic materials – by infill



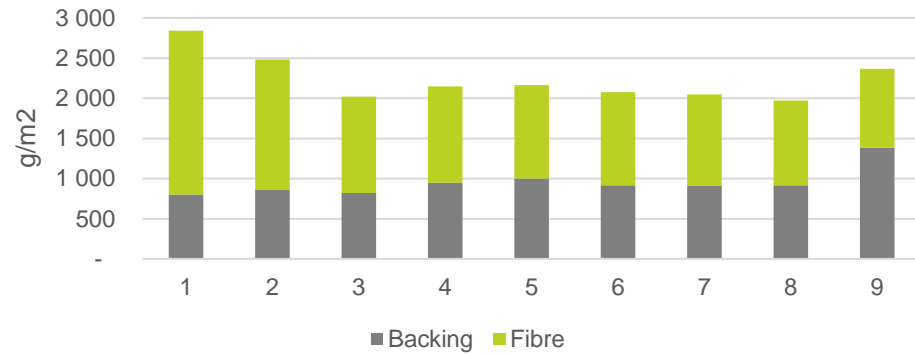
Waste quantities tonn/y Norway



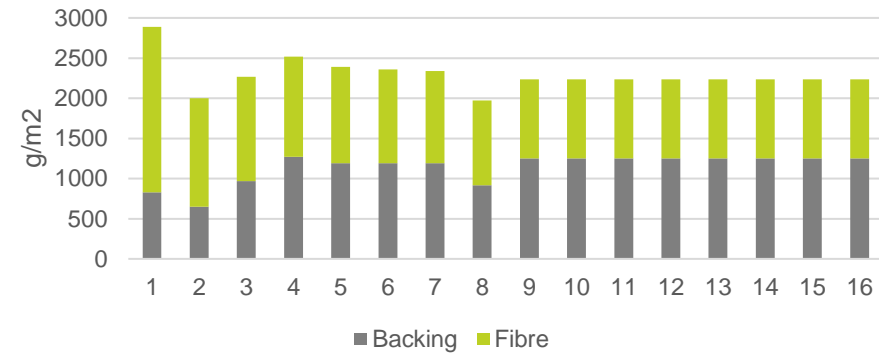
Fibre+backing weight



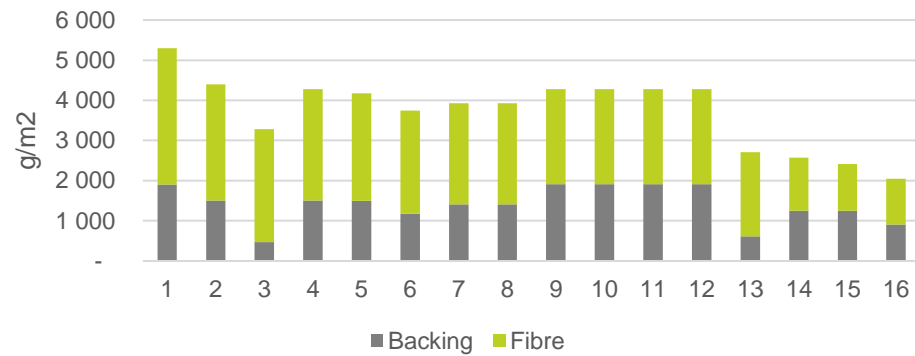
Organic infill



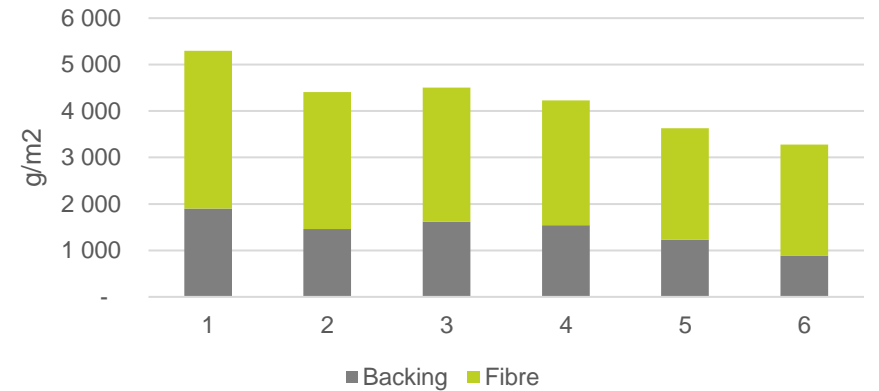
Synthetic infill



Sand infill



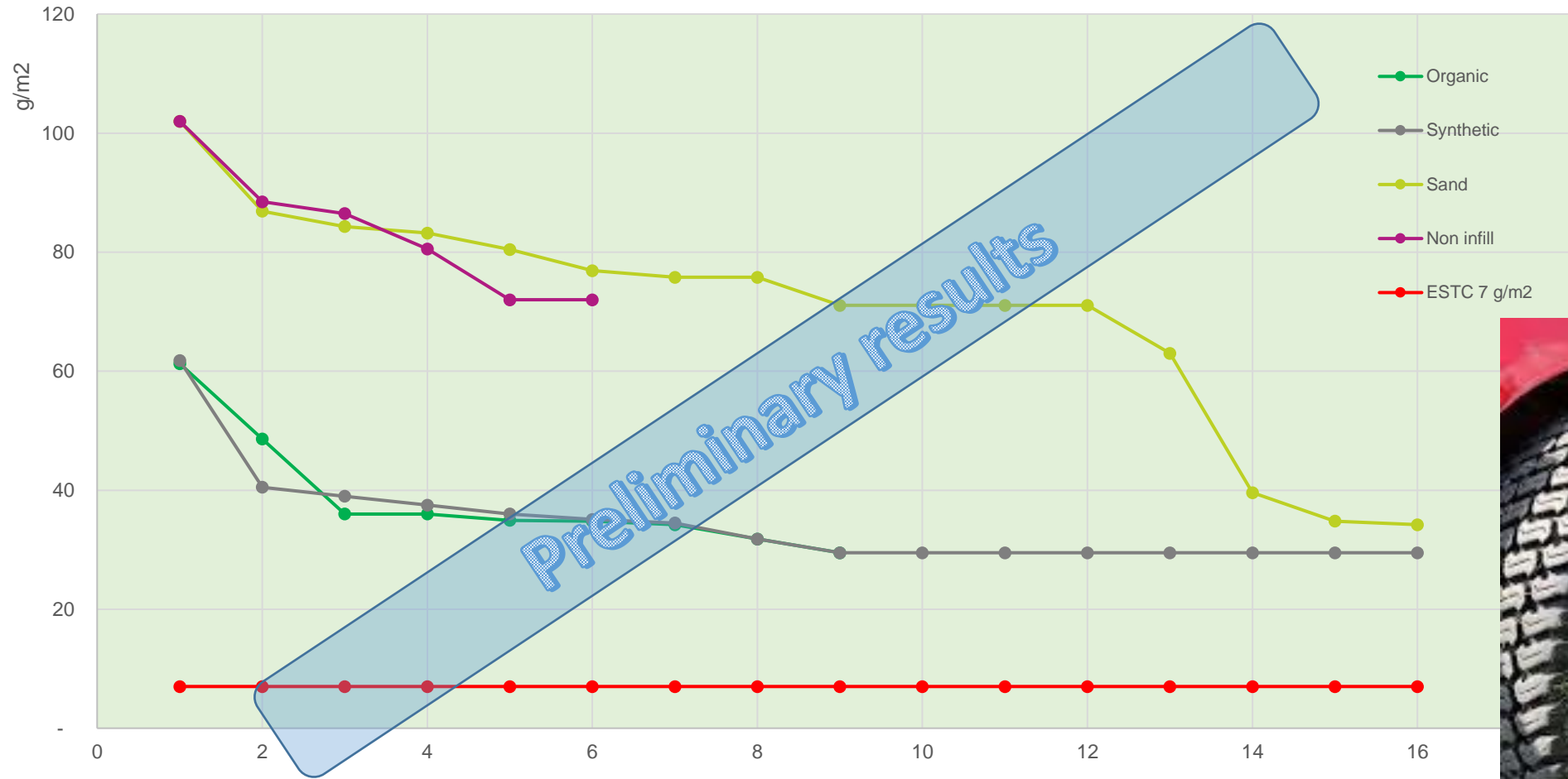
Non infill



Fibre loss from synthetic turf

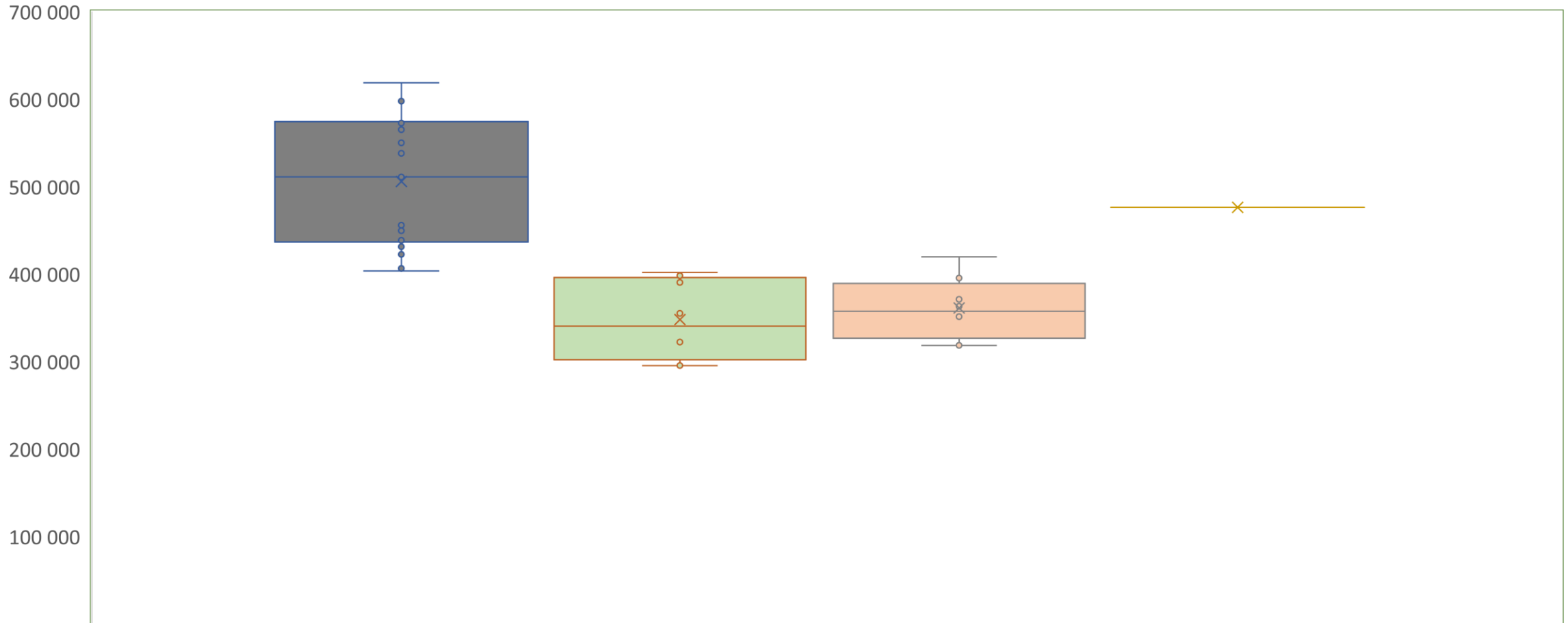


3% fiber loss g/m²*y



Total cost of ownership 10 years, Euro

■ Synthetic infill ■ Organic infill ■ Sand ■ Non-infill



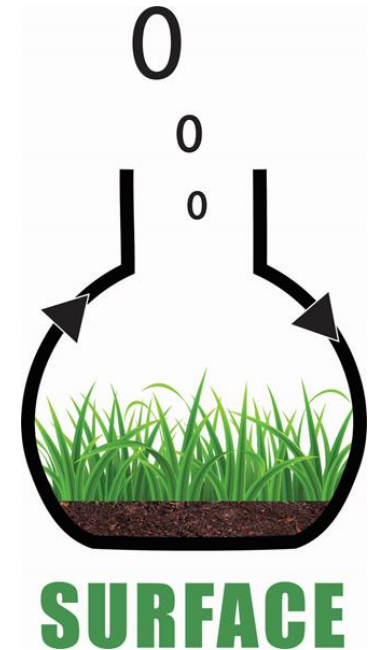
Preliminary summary of findings

Request for:

- Systems without synthetic infill
- Higher fiber quality

Outcome will be:

- Reduced waste
- Reduced microplastic migration
- Reduced total cost of ownership



European R&D-
initiative for synthetic
turf systems