

Multipurpose forestry for value-added forest bioeconomy

Johanna Buchert

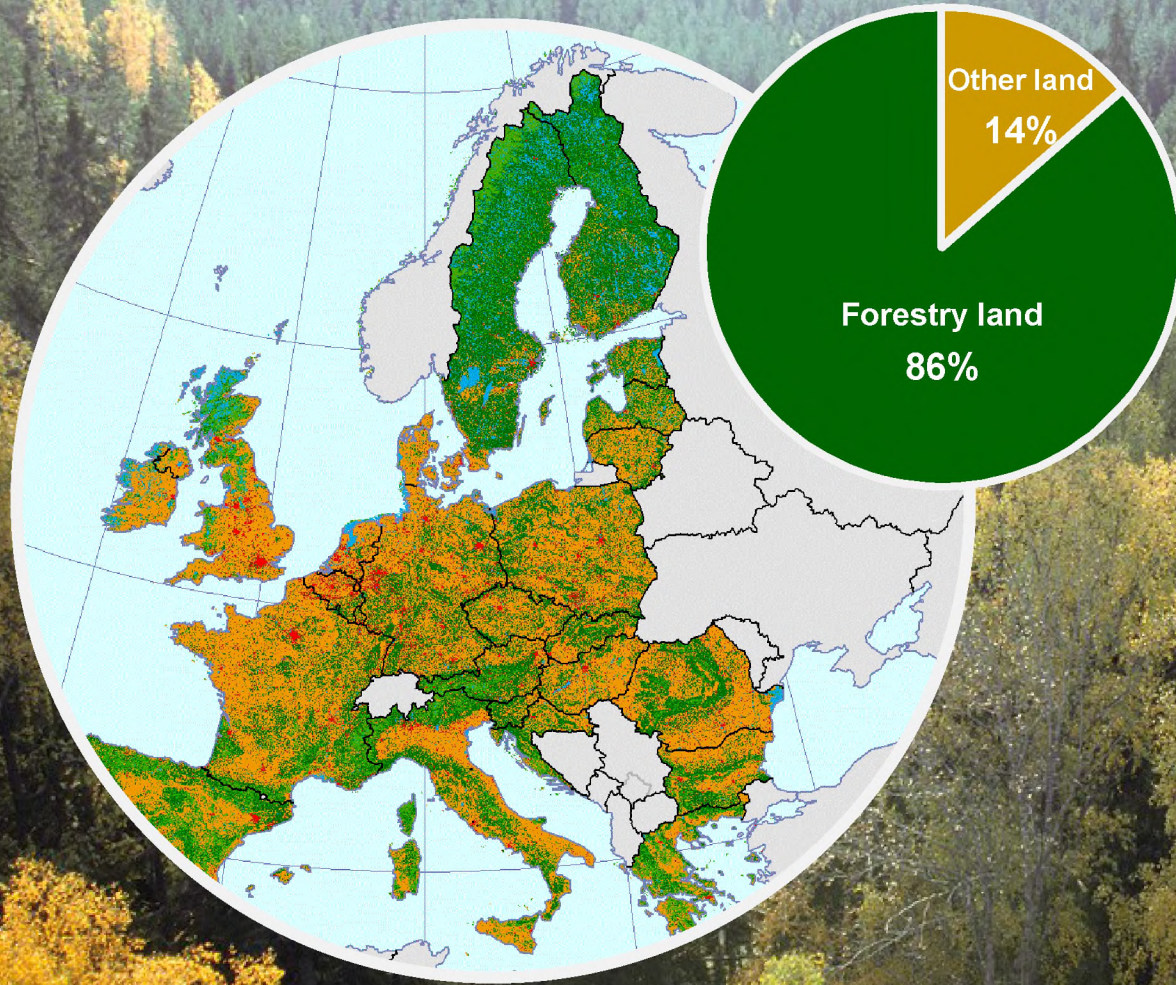
President & CEO

Luke Natural Resources Institute Finland

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 [@JohannaBuchert](https://twitter.com/JohannaBuchert)



- Forestry land 26,2 mill.ha
- Growing stock volume 2,473 mill. M³
- Annual growth 107 mill M³
- Annual harvest and natural removal 81% of the annual growth (2017)
- Area of total protected forests 12% (2,7 million ha) (FAO definition)

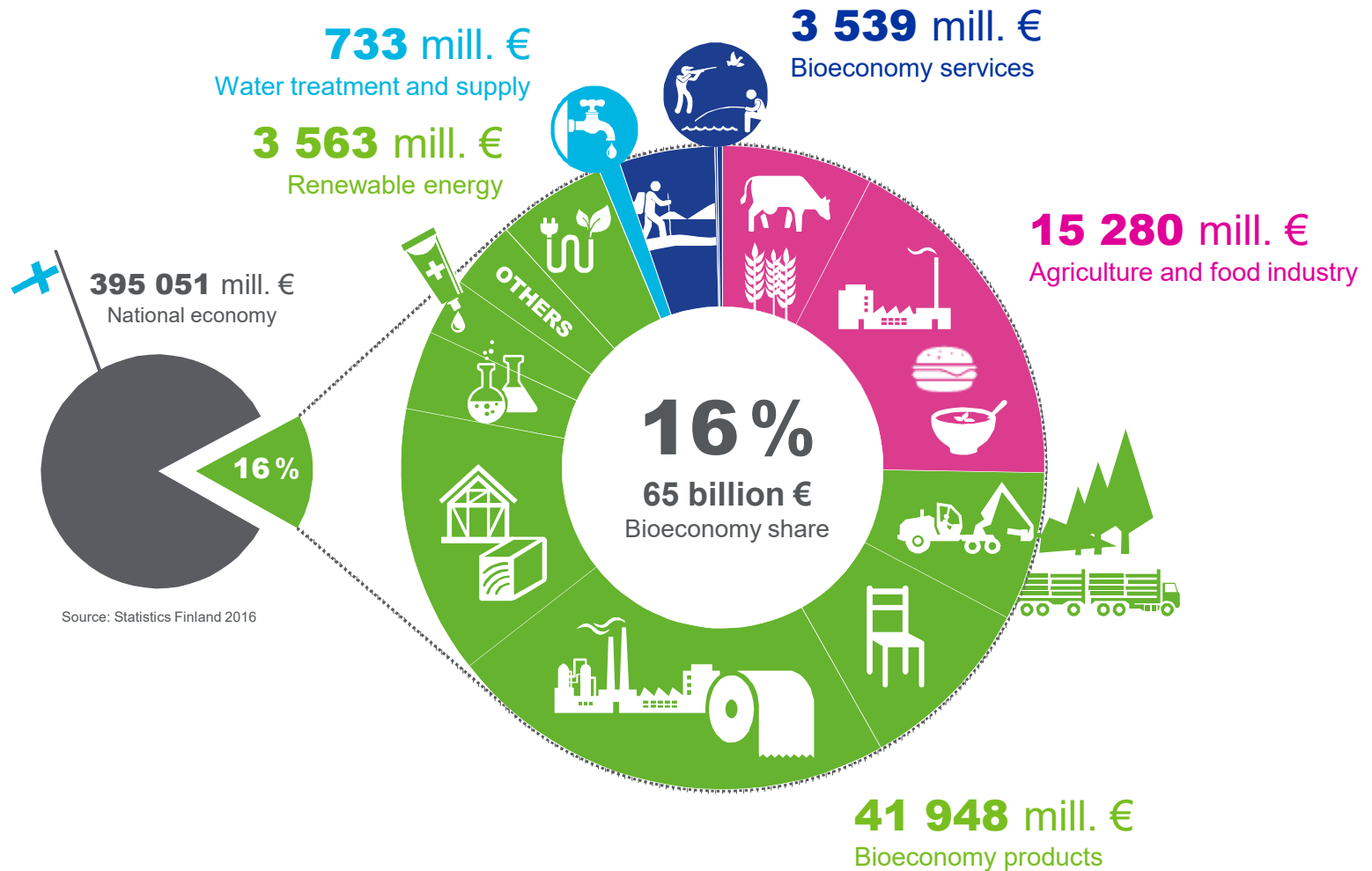
Map Source: Copernicus CORINE Land Cover 2012 for NUTS-region ES61; ES64; EEA CORINE Land Cover 2006

Cartography: DG AGRI GIS-Team 12/2015

Graphics: https://stat.luke.fi/sites/default/files/metsavarat_2018_en_copy.pdf

Photo: Erkki Oksanen

Bioeconomy share



Graphics: Vihreä biotalous – 100-vuotiaan Suomen hyvinvoinnin ja kilpailukyyn perusta.



Finnish forests are multi-purpose forests and we have everyman's right to enjoy them



Sustainable and multifunctional use of forests



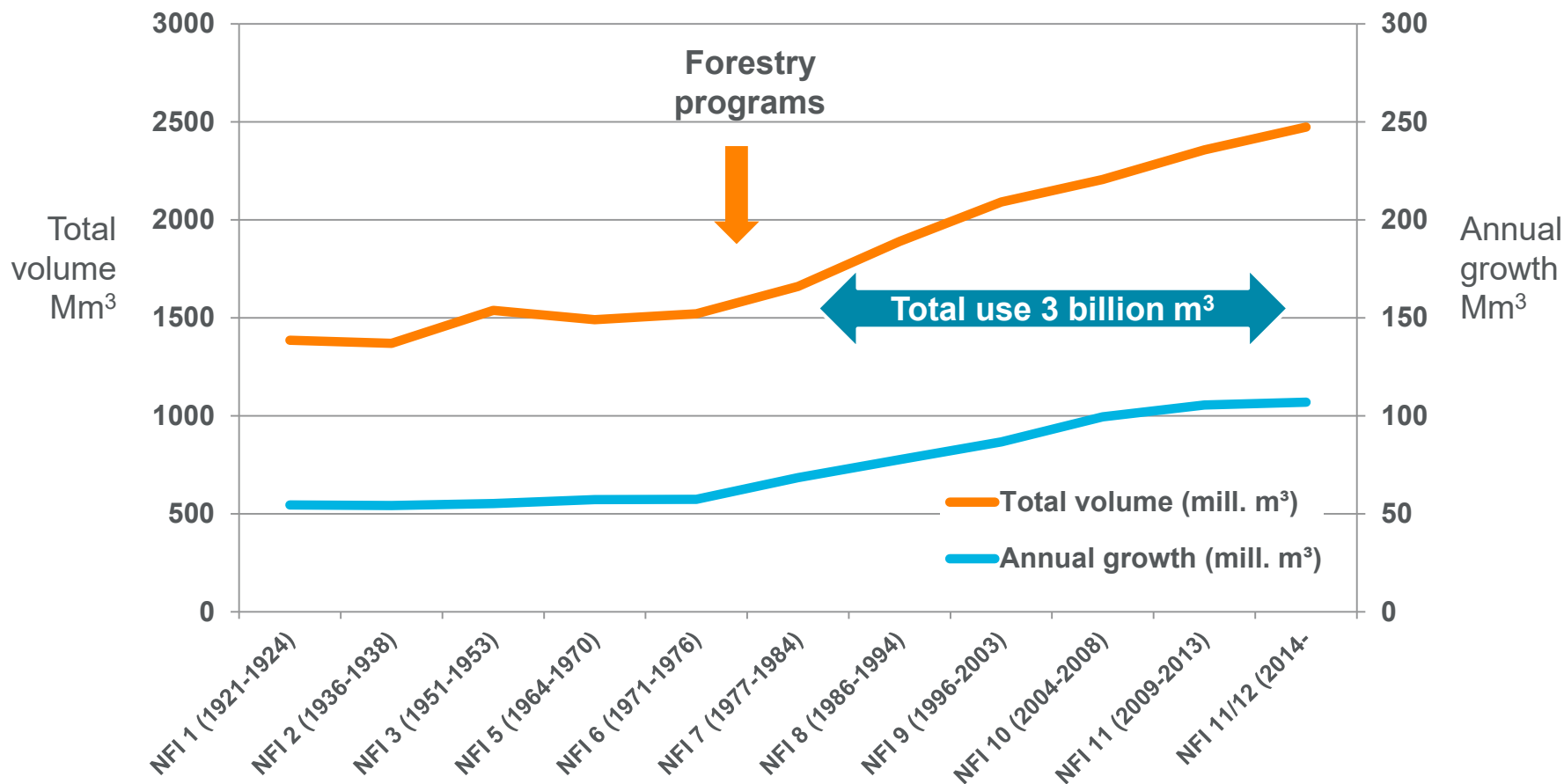


Promoting and monitoring sustainable forest management

- **Legislation, e.g. The Finnish Forest Act**
- **Financial incentives – Financing of sustainable forestry**
 - Forest owners may receive financial support from the State for forest management, improvement work and for nature management
 - Objectives:
 - Increase the growth of forests
 - Maintain road networks for forestry purposes
 - Secure the biodiversity of forests
 - Promote the adaptation of forests to climate change
- **Strategies and programmes**
 - National Forest Strategy 2025
 - Bioeconomy Strategy
- **Information and advice – open, state funded forest data**
 - The National Forest Inventories (NFI)
 - E-services for forest owners (Metsään.fi)
 - Providing our 630 000 forest owners with knowledge and tools



National investment on sustainable forest management



Annual harvest and natural removal was 81% of the annual growth (2017)



National Forest Strategy 2025



”Sustainable forest management is a source of growing welfare”

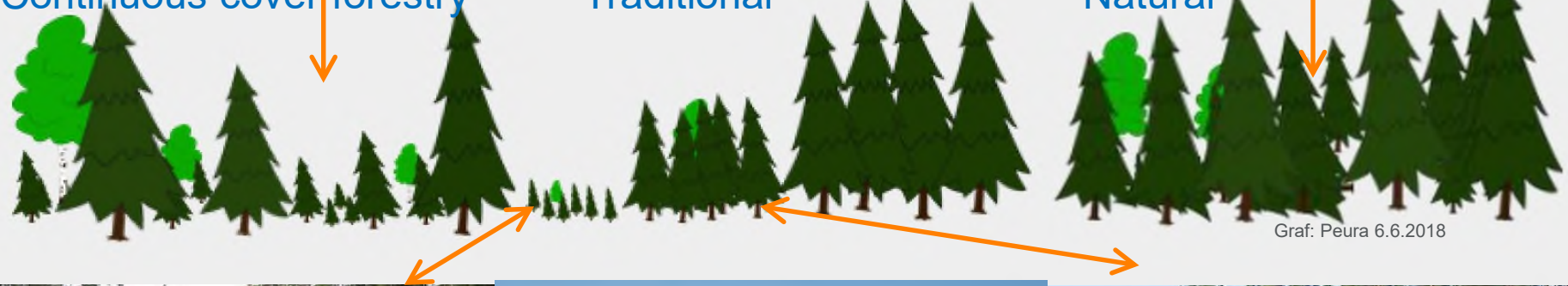
- Describes priority objectives and detailed measures that will promote the achievement of the strategic objectives of the sustainable management of Finland’s forests
- **Ongoing updating process**
 - More focus on climate-smart forestry and nature management in commercial forests, as well as on international forest policy and all dimensions of sustainability (economic, ecological, social and cultural)
 - Active inclusion of stakeholder groups and citizens



Continuous cover forestry

Traditional

Natural



Graf: Peura 6.6.2018

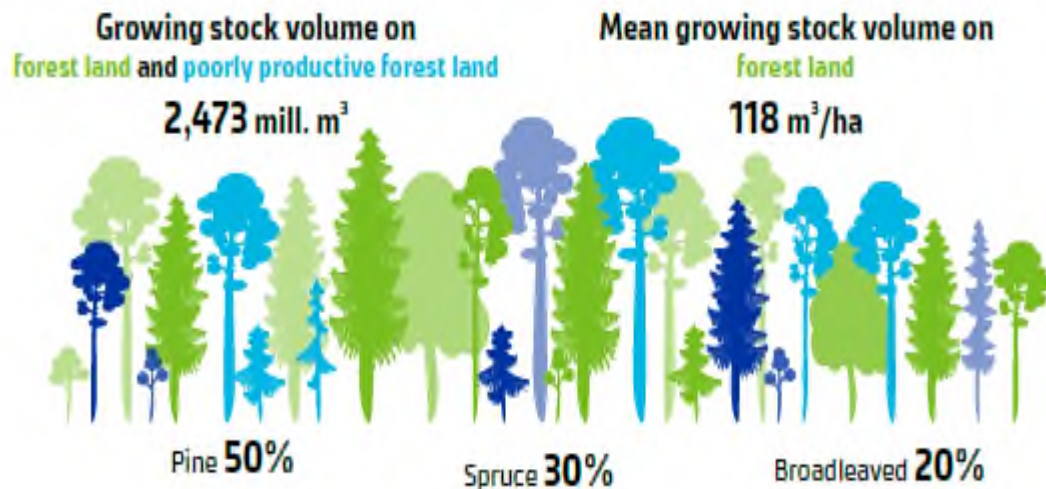


Forest fires and Forest management in Finland

- Use of thinnings in sustainable forest management
 - Amount of dead trees
- Forest fire prevention system
 - Ban for open fires during dry periods
 - Early detection
 - Effective forest fire suppression
 - Forest road network



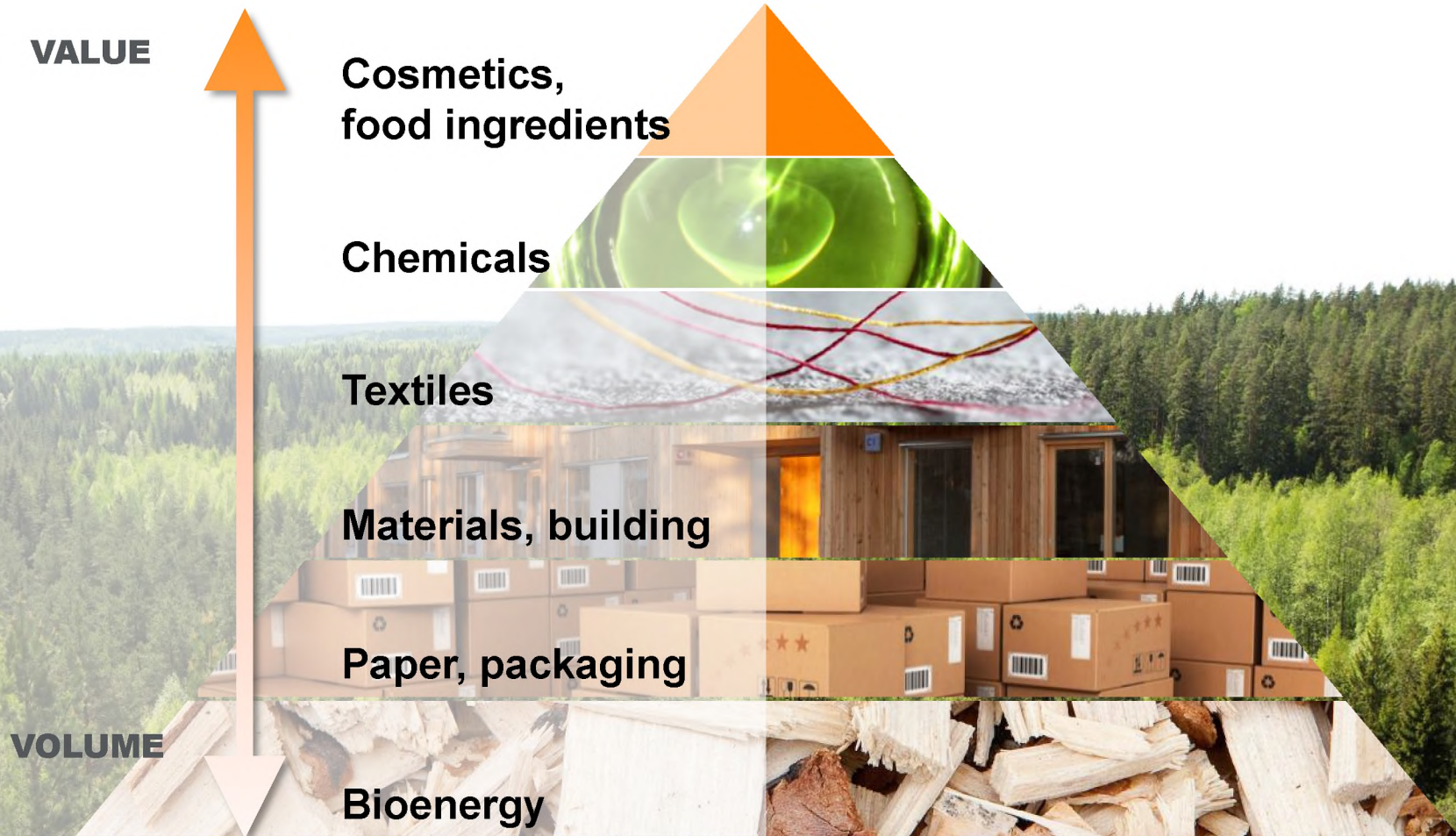
Siitonen et al 1995



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Towards a multiproduct bioeconomy

Sustainable utilization of the raw materials to various products with different values,
no waste production





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Thank you!