

Smart & Lean



Agriculture plastics Bale wrapping films in Finland

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Agriculture plastics pollute the soil

- More than 80% of plastics found in marine environments has been produced, consumed and disposed of on land
- Microplastic contamination on land is estimated to be between 4 to 32 times higher than in the oceans
- In addition to inadequate end-of-life treatment of plastic waste, plastics reaches our soils through increasing use for agricultural purposes
- Yearly inputs of microplastics in European are estimated to be 63000 - 43000 tonnes respectively

Source: <https://ieep.eu/uploads/articles/attachments/3a12ecc3-7d09-4e41-b67c-b8350b5ae619/Plastic%20pollution%20in%20soil.pdf?v=63695425214>)

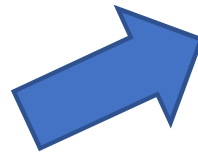
Agriculture plastics Bale wrapping films

The goal by 2030

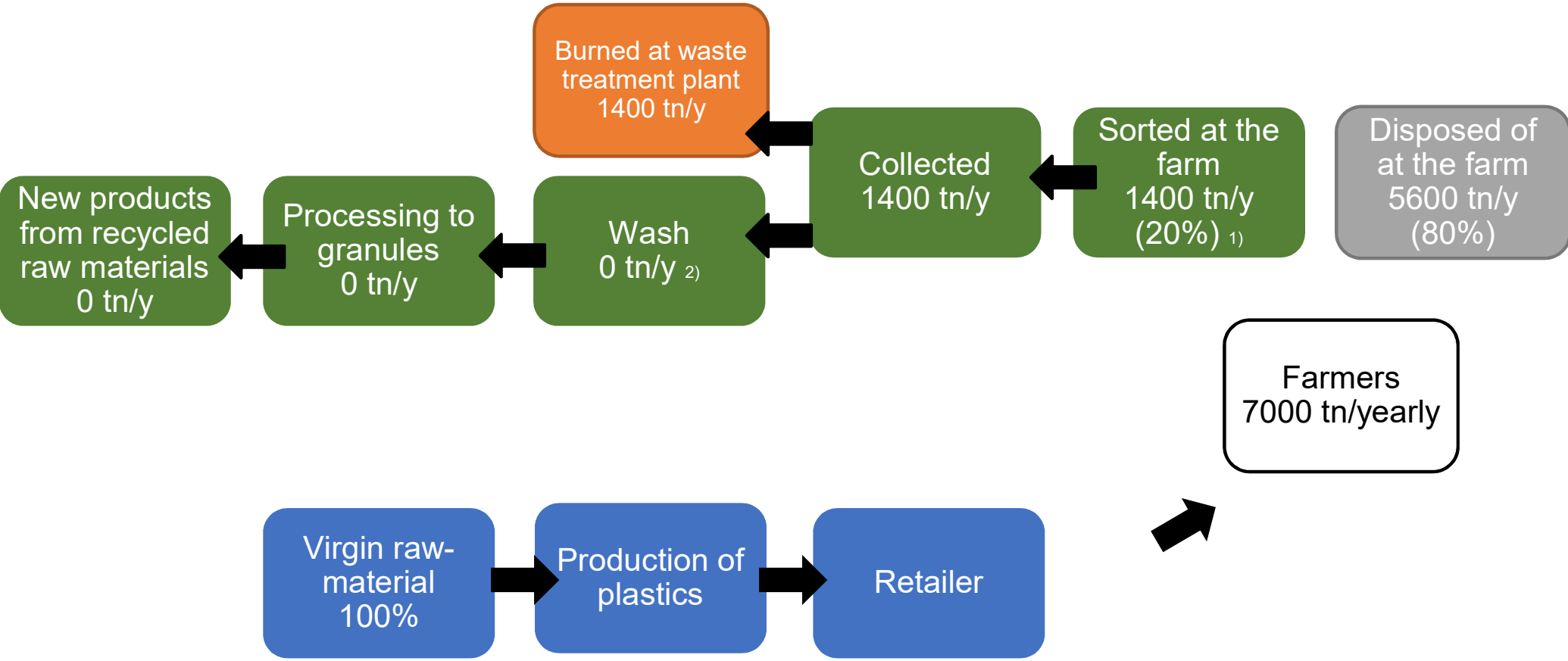
100 % Collected
100 % Recycled

The current state

20 % Collected
0 % Recycled



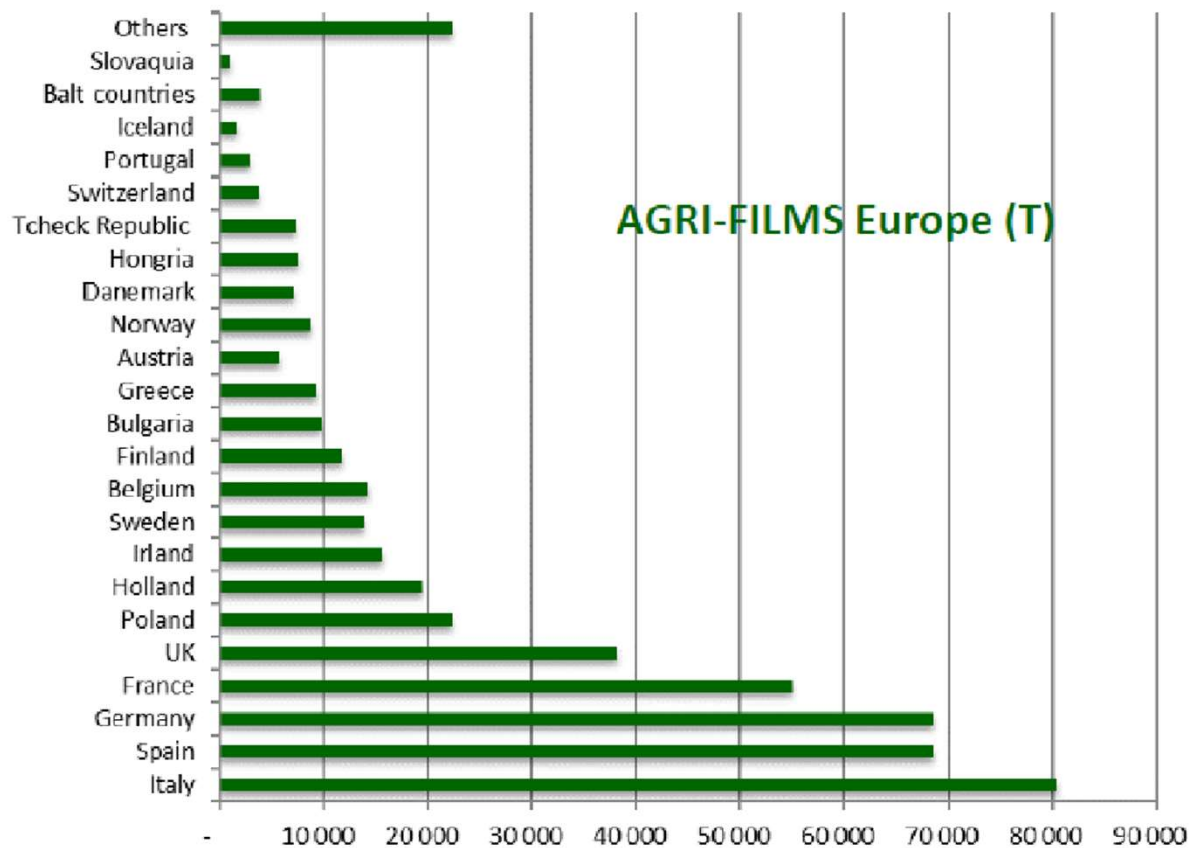
Recycling value chain of bale wrapping films in Finland 2019



Smart & Lean, Tuula Löytty, 23.4.2019

1) <https://www.sitra.fi/blogit/minne-menet-maatalousmuovi/>
2) a guess

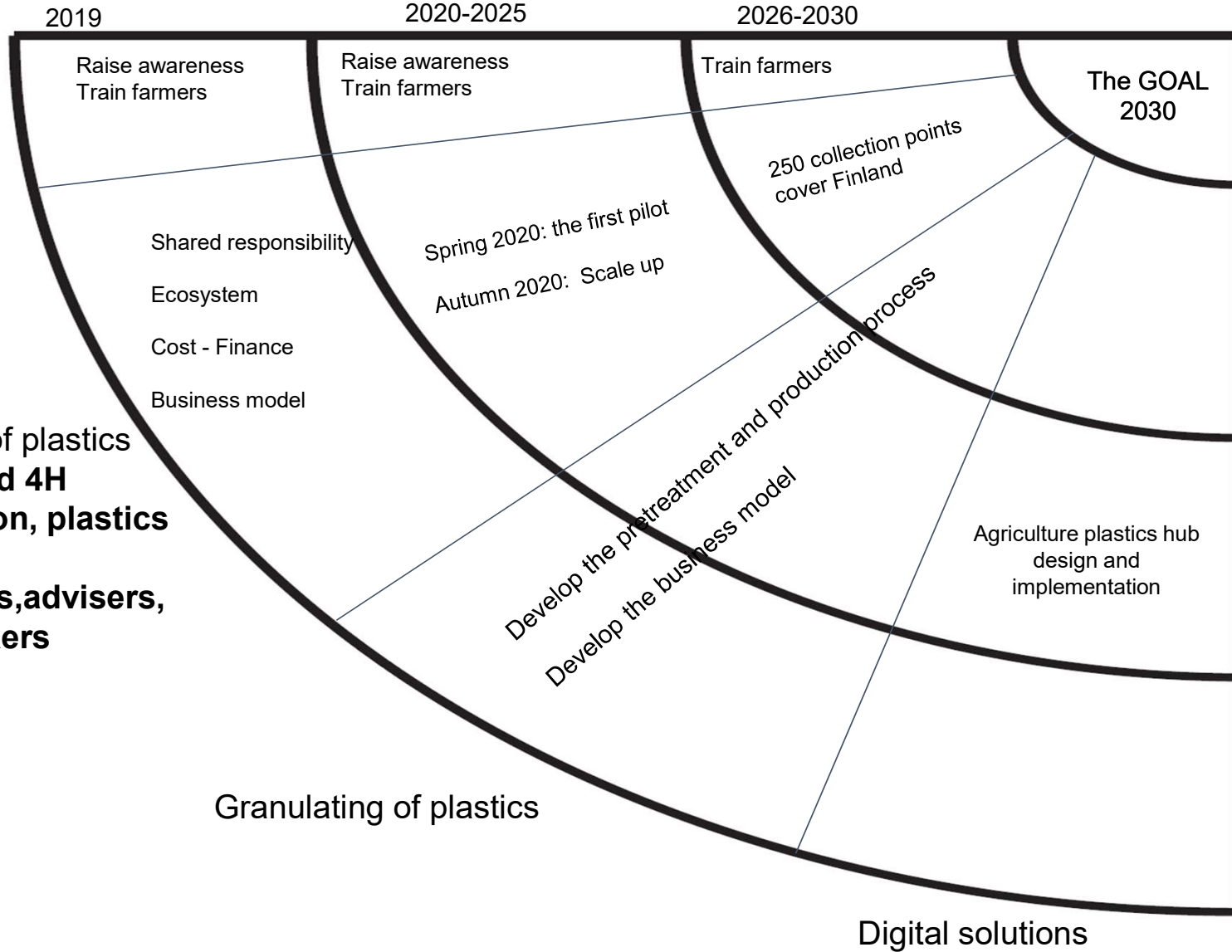
Annual usage of agriculture films



Source: APE-Europe

Capacity building
MTK, SLC,
ProAgria

Collecting of plastics
The Finland 4H
organisation, plastics
producers,
distributors, advisers,
policy makers



National Collecting
Scheme

100 % Collected
100 % Recycled

Voluntary commitment
Transparency
Ecosystem
Bottom up