



UNIVERSITY OF TARTU



Maximising added value and efficient use of raw materials in bioeconomy and its sectors in Estonia



TARTU ÜLIKOOL



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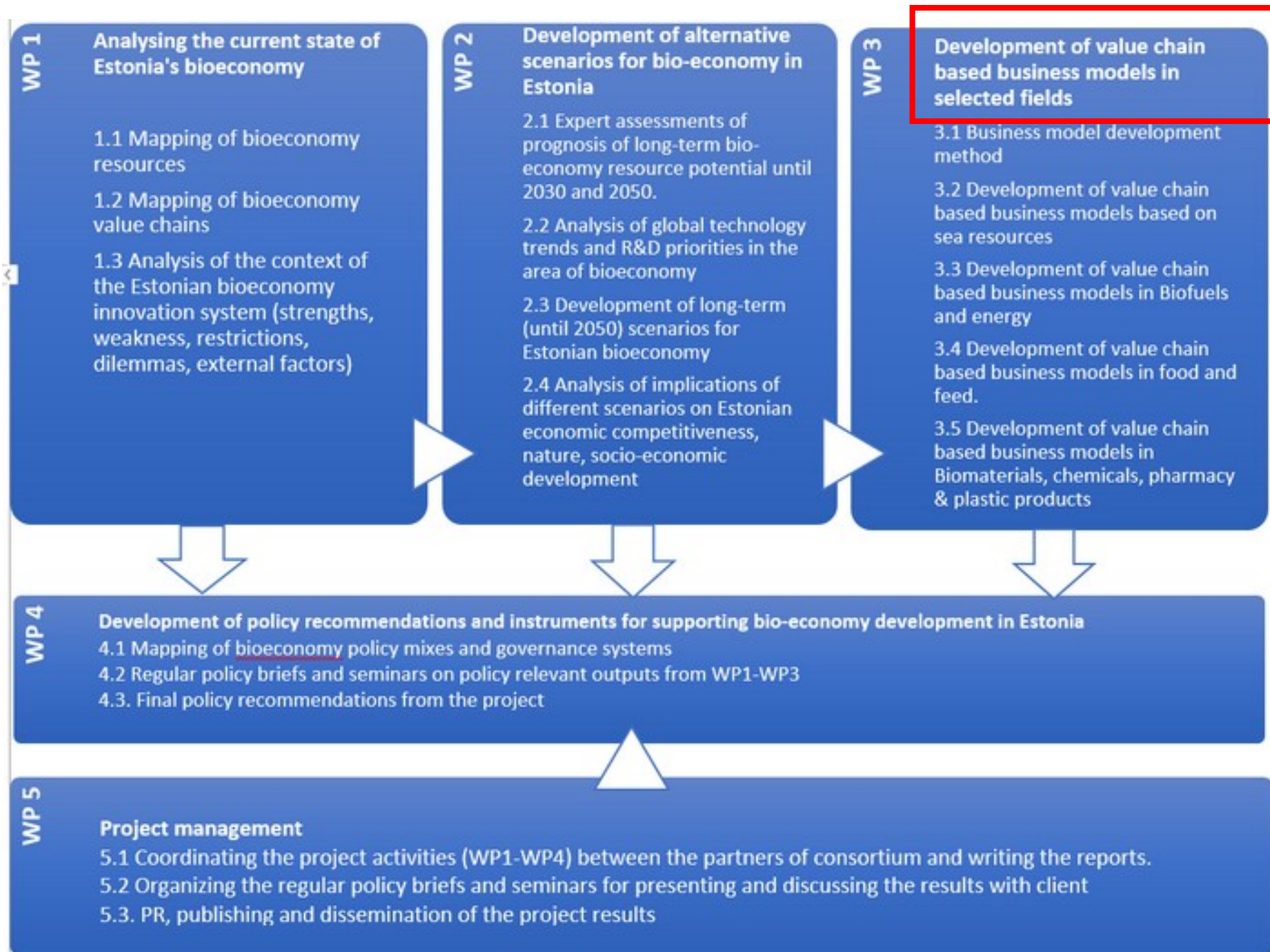
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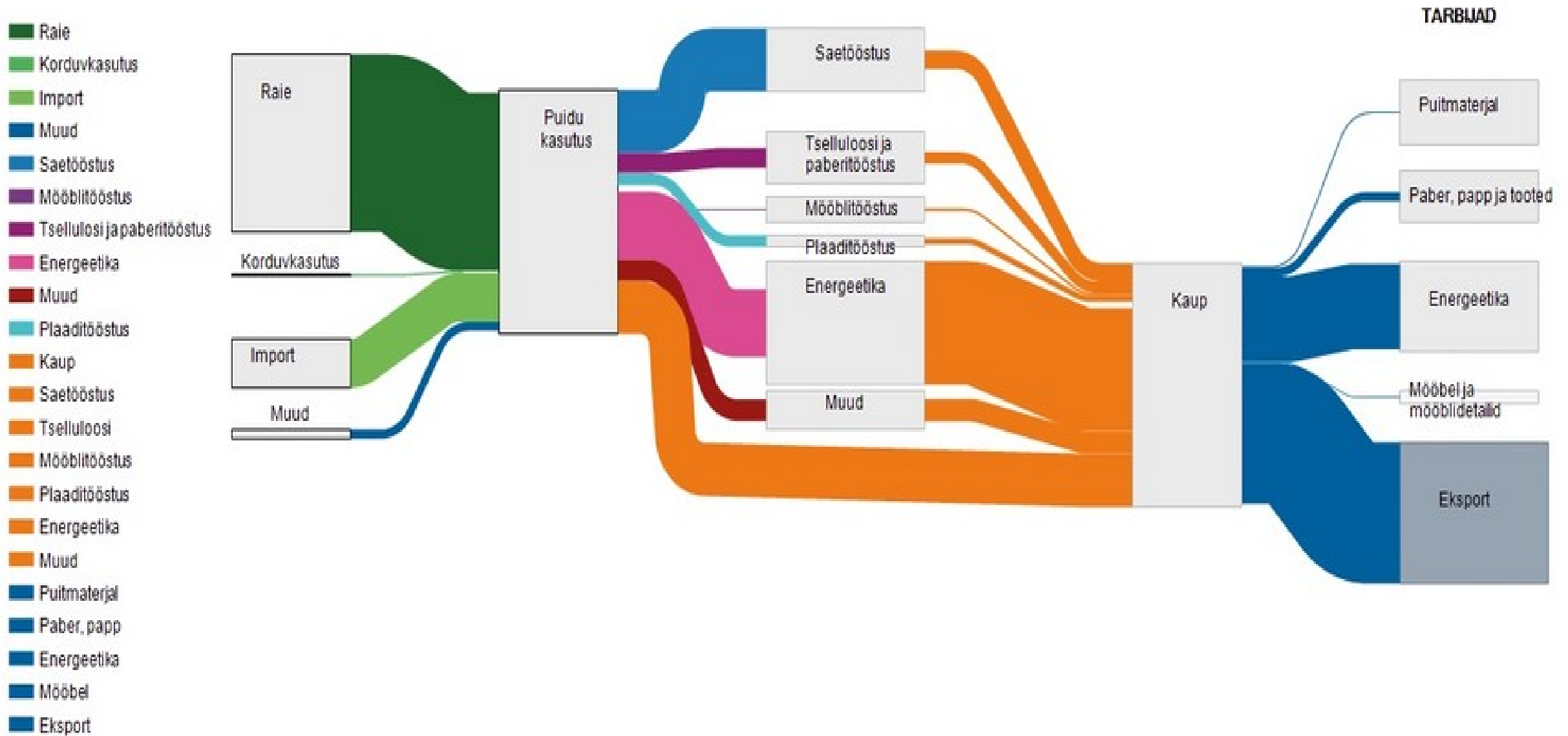
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Researcher / Entrepreneur

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Material flows in forestry, wood processing, ...



Main findings so far

- we are doing quite well in biomass production (forestry, agriculture)
- we are doing also quite well in traditional processing technologies, e.g. sawmills, dairy companies, however ...
- advanced bioprocessing methods are not widely used, e.g. wood sugars and materials thereof, decomposing of milk for enabling sales to more distant markets, etc.
- also advanced biomass production methods (e.g. bioreactors) are not widely used
- throughout the (bio)economy, branding, export sales, and business model innovation capacity is rather weak (with few exceptions that often are foreign owned firms)
- marine and aquatic biomass valorization is especially weak
- very few companies see the whole value chain and are able to create circularity
- just a few firms/research groups who develop/use BECCUS technologies

So, a lot of potential here ...