

Climate impact of carbon efficient forest-based value

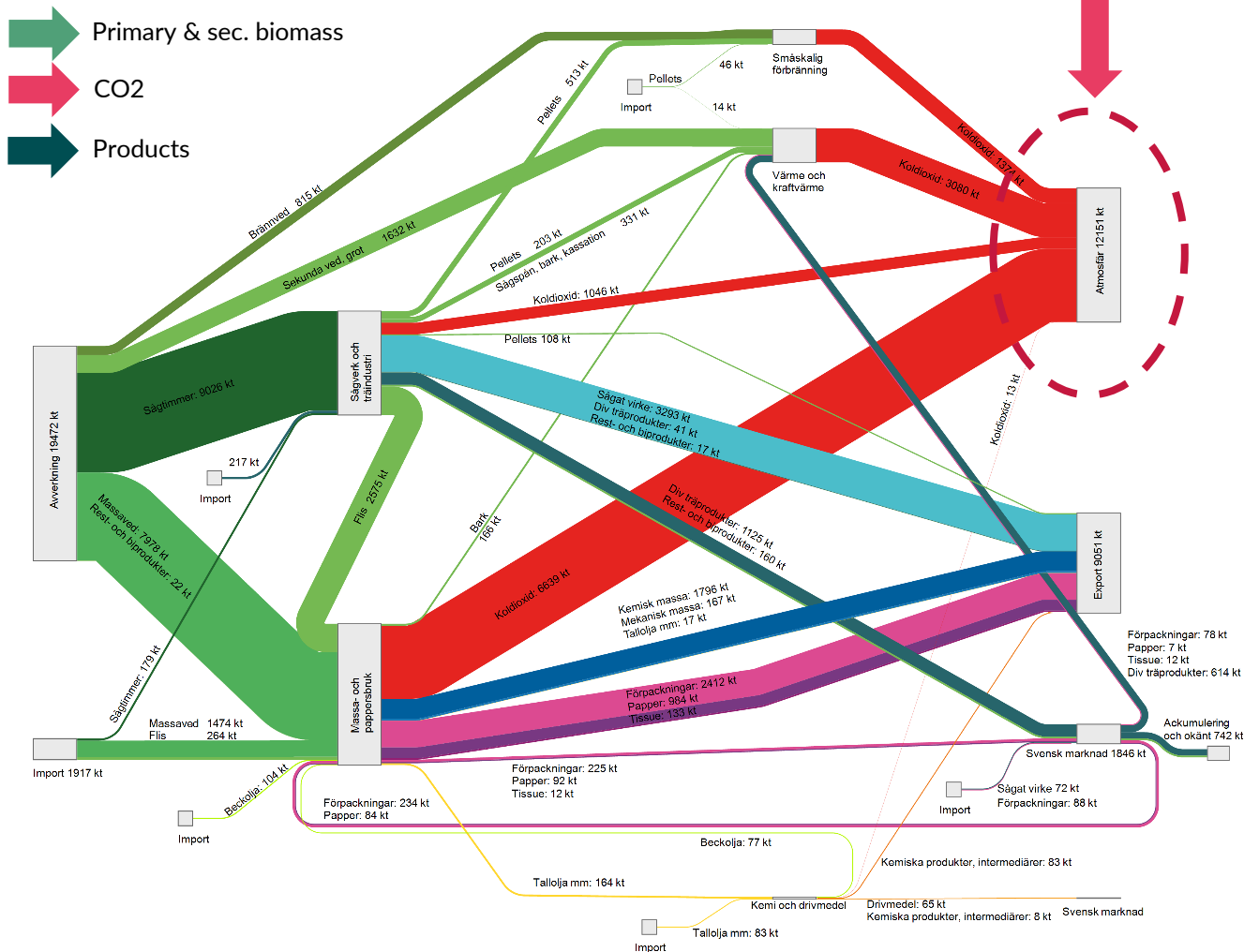
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Carbon flows in the forest-based value chains

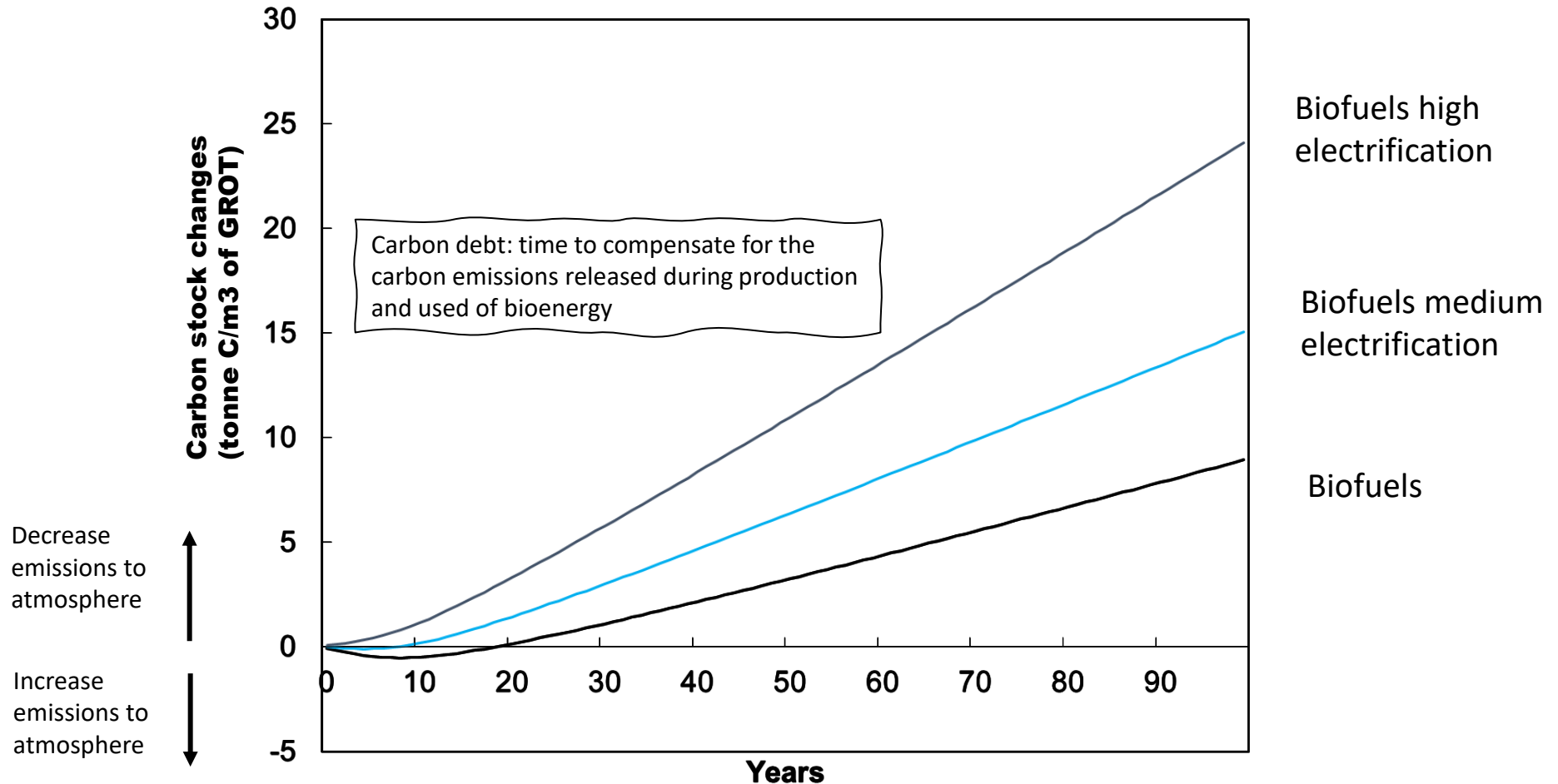
More than 50% is released into the atmosphere via combustion



Strategies to increase carbon efficiency:

1. CCS or CCU at existing emissions points sources.
2. Reduce combustion in forest industries to repurpose biomass, using alternative heat sources like electricity.

Climate impact of increased harvesting of GROT for biofuel produced with different levels of electrification ➔ so carbon atoms end up in fuel



Assumptions: biofuels displace oil according to RED, bio heat displaces average DH, and Swedish electricity mix is used for electrified biofuel production

Thank you!

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