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(Kemisk) genanvendelse af plast

Materialestrømme og genanvendelsesprocenter



Plastkvalitet

Materialekvalitet og -funktionalitet er vigtig for genanvendelsen

Affaldssystemet

Den samlede håndteringskæde for plasten har betydning for genanvendelsen

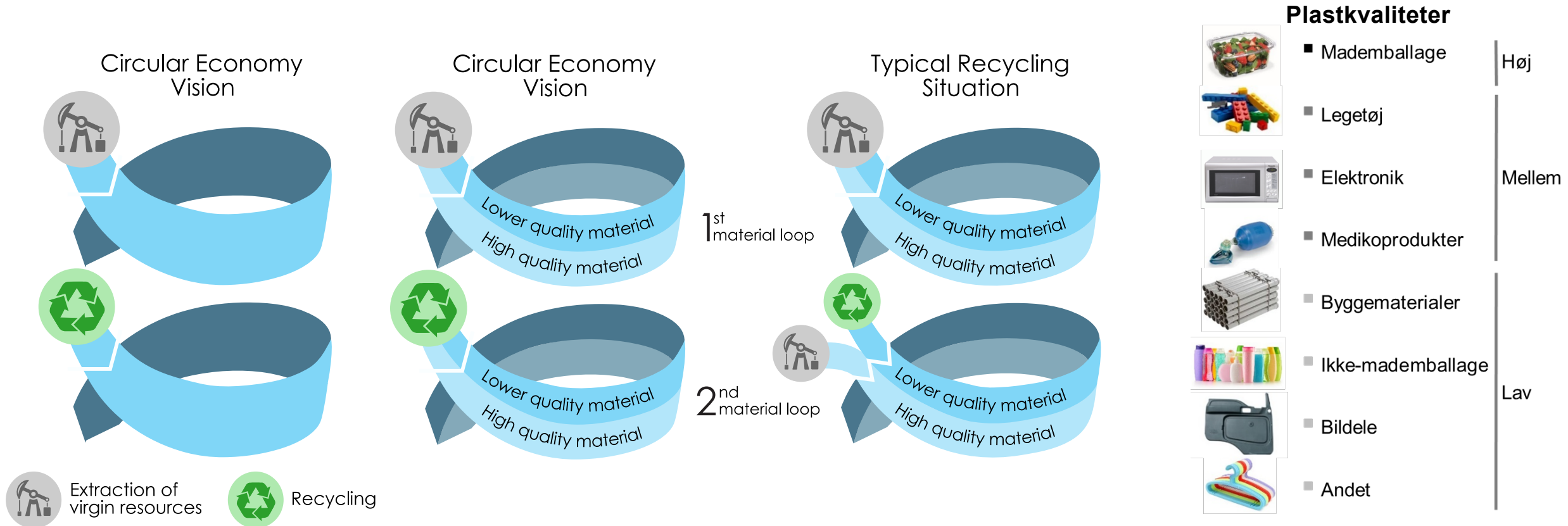
Massebalancer

Det er vigtigt at holde styr på materialestrømmene i systemet

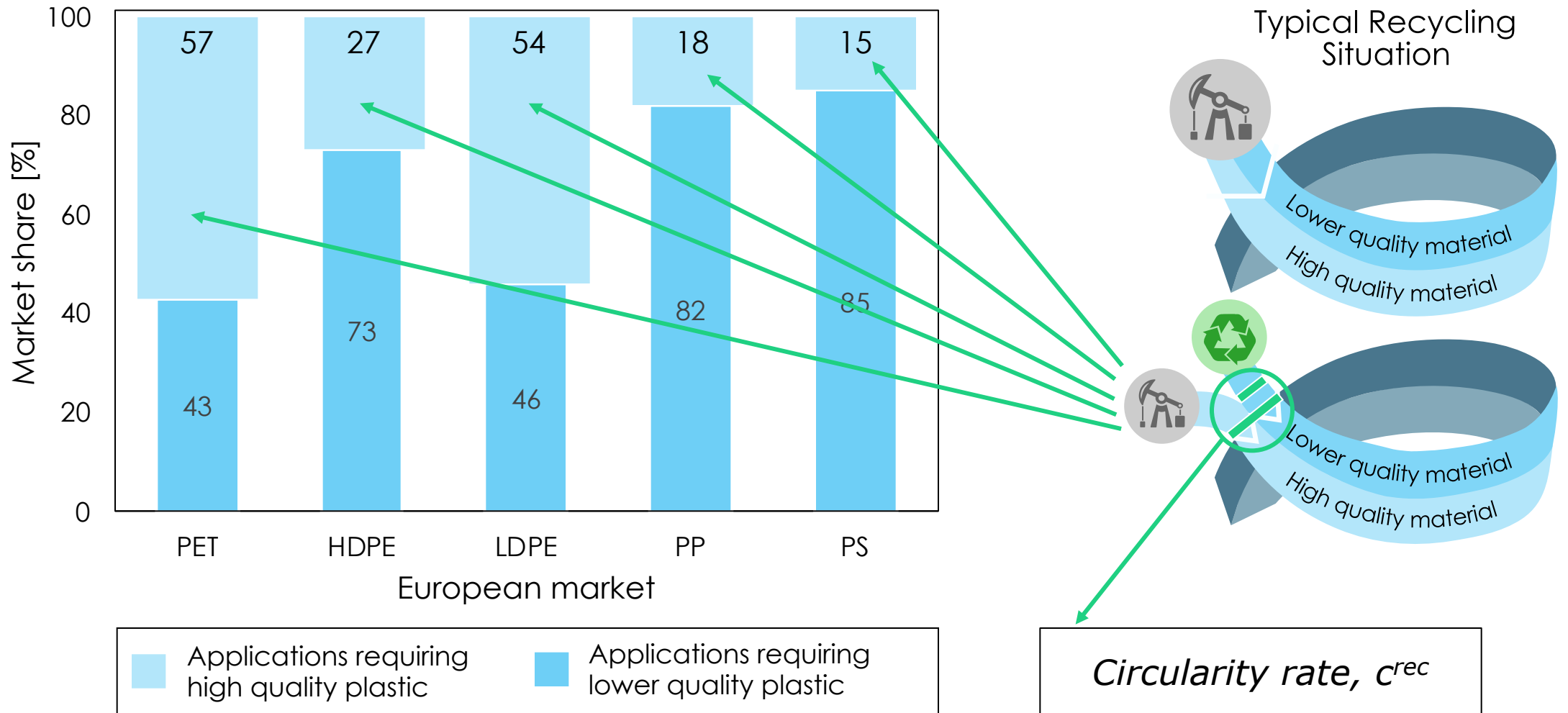
Lukkede kredsløb

Potentiale for lukkede plastkredsløb i Europa, og betydningen af genanvendelse

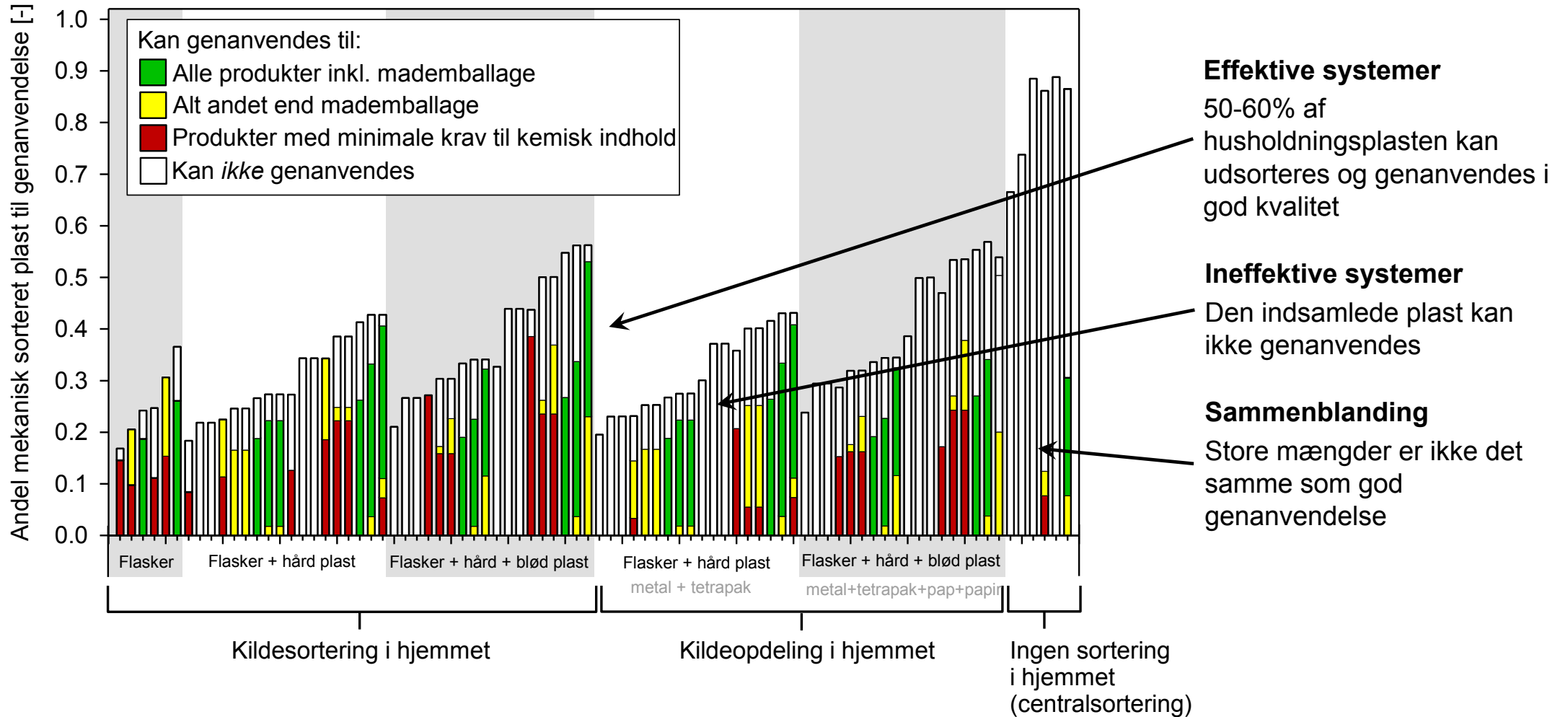
Genanvendelsen skal ses i forhold til ressourcekvaliteten



Markedsandele i Europa for udvalgte polymerer



Plastkvaliteten afhænger af indsamling og sortering



Plastaffald er ikke bare plast!



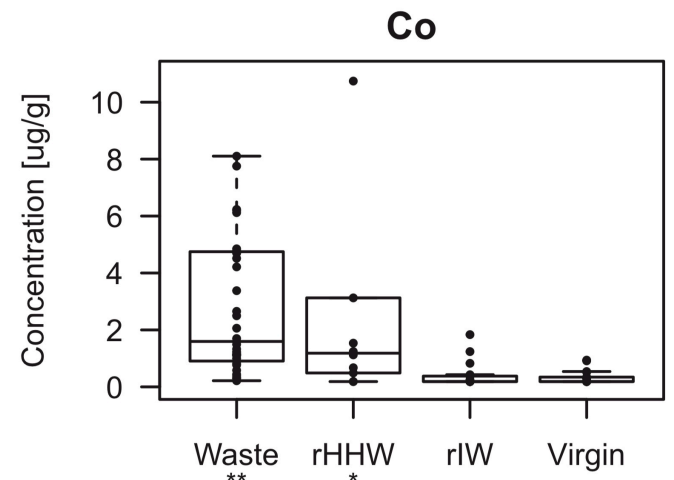
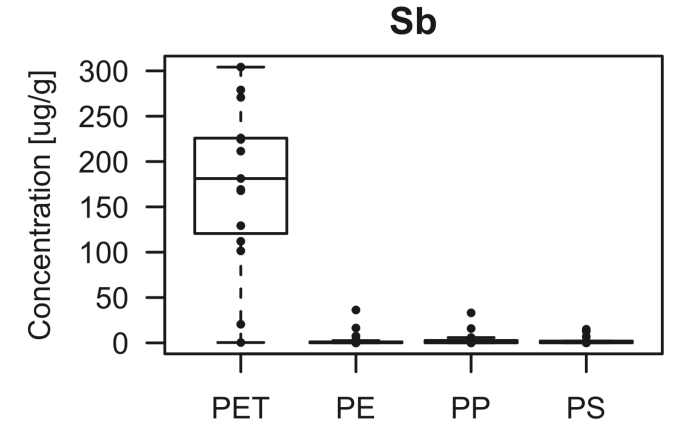
Plastaffald og re-processeret plast fra affald er mere kemisk forurenend end tilsvarende nyt plast

Fysiske forureninger:

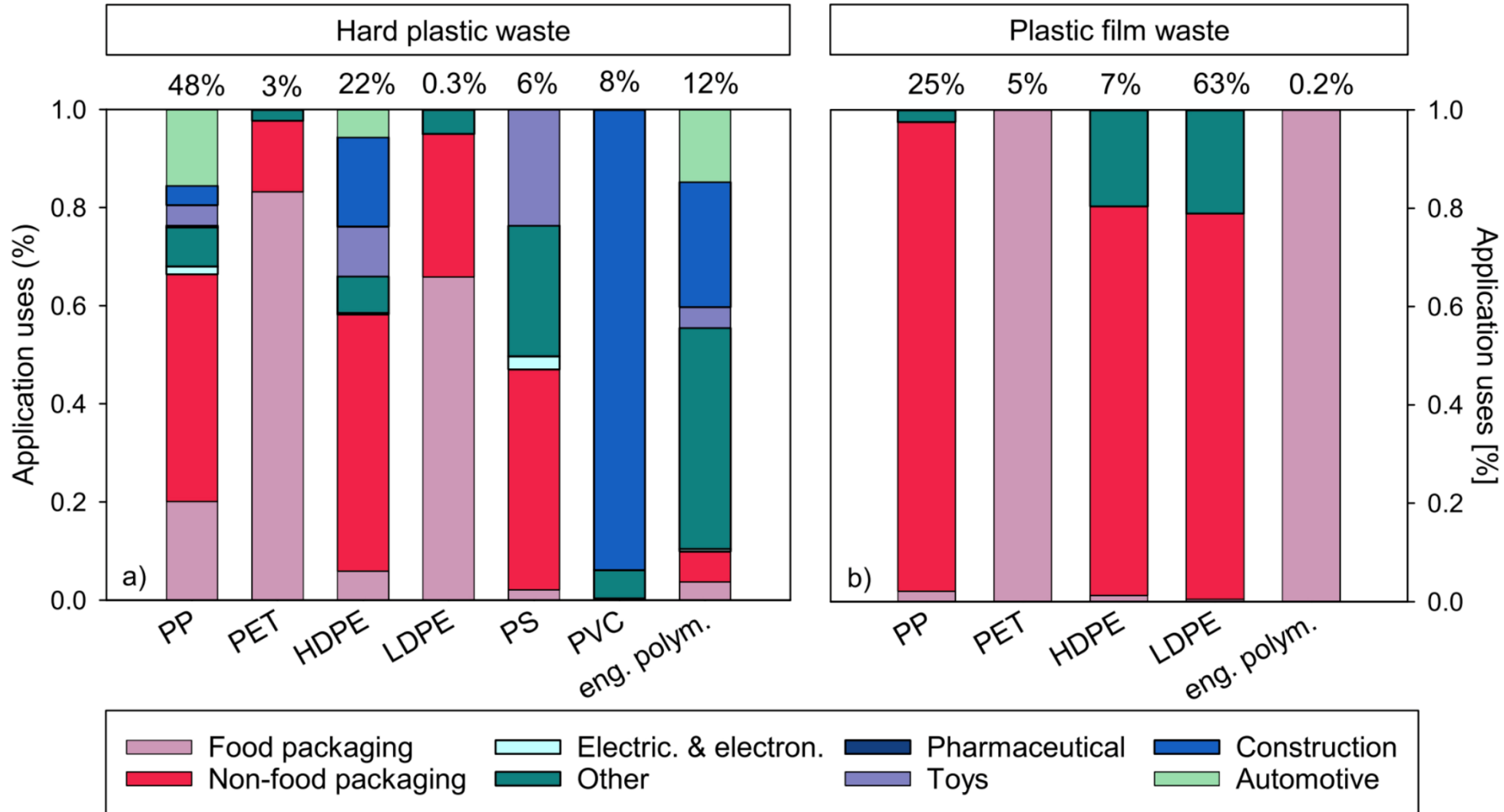
- Ikke-plastmaterialer (fejlsorteringer)
- Ikke-plastmaterialer (uadskilleligt)
- Uønskede plasttyper

Kemiske forureninger:

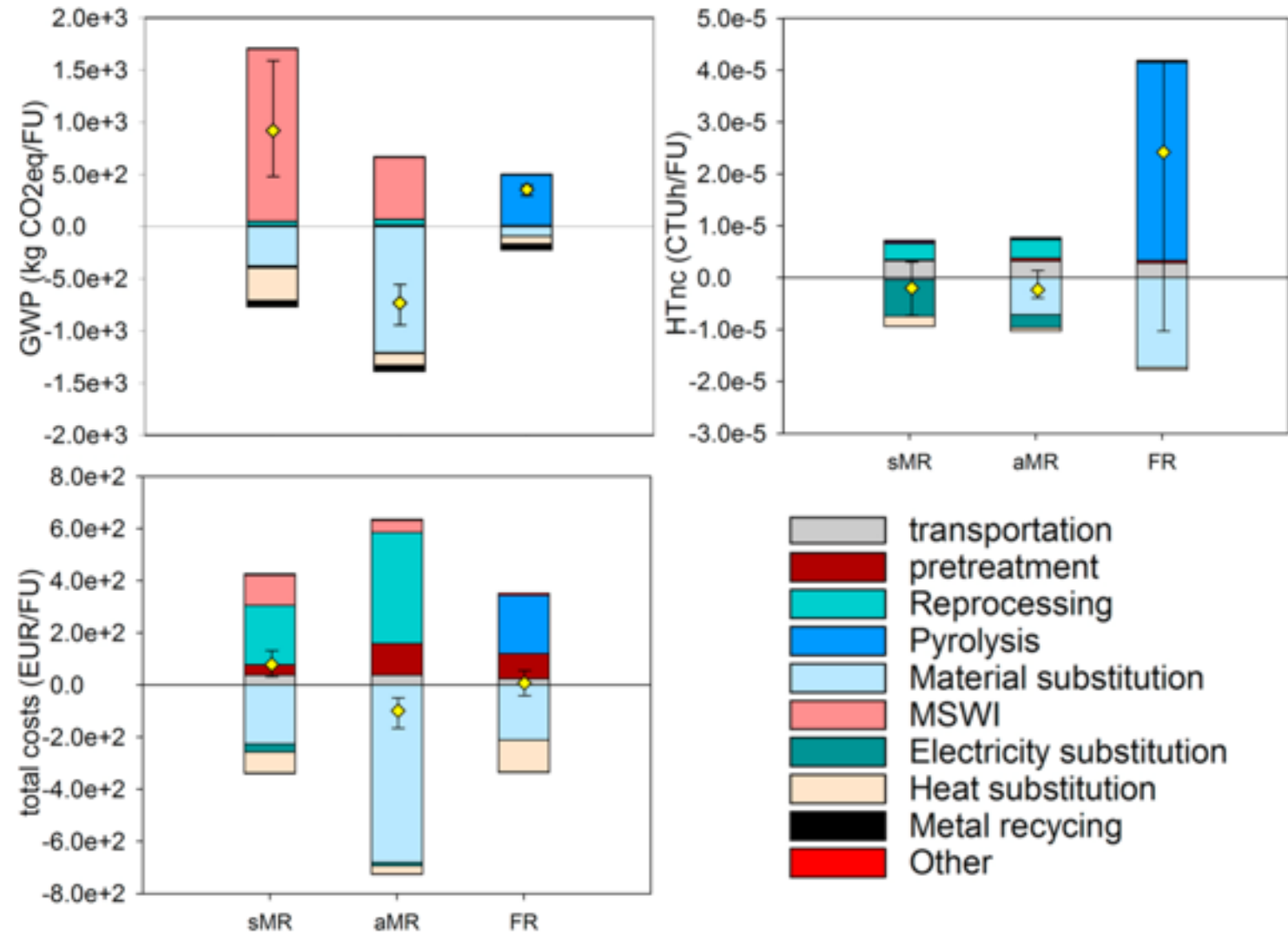
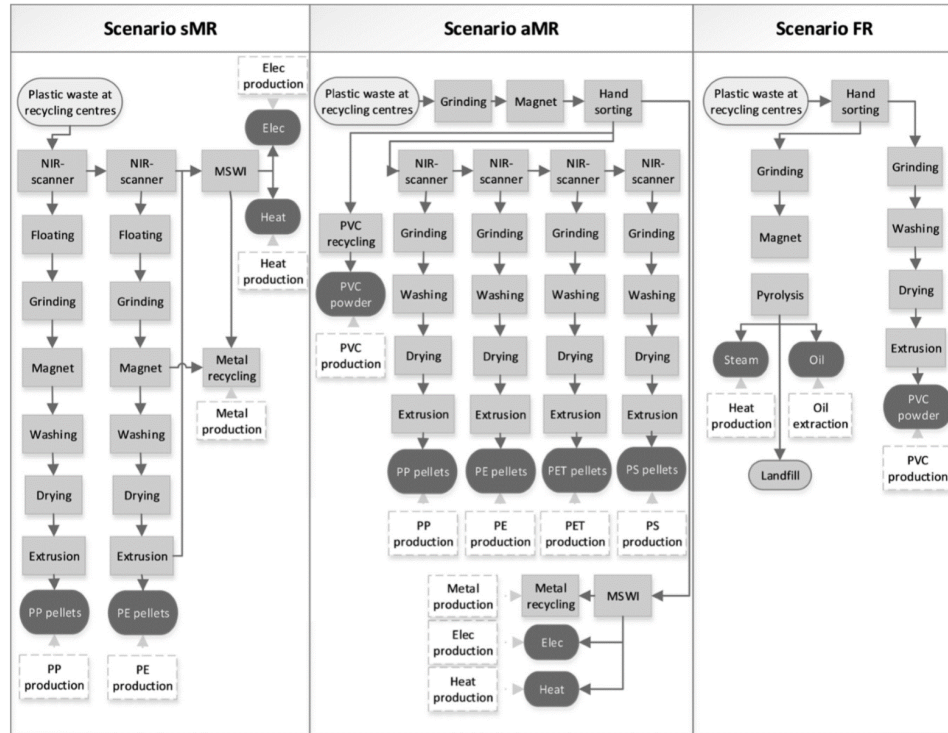
- Kemiske tilsætningsstoffer
- "Ikke-bevidst" tilførte stoffer via brug eller affaldsfasen



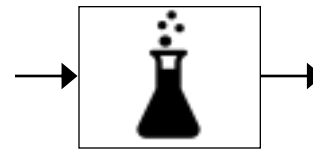
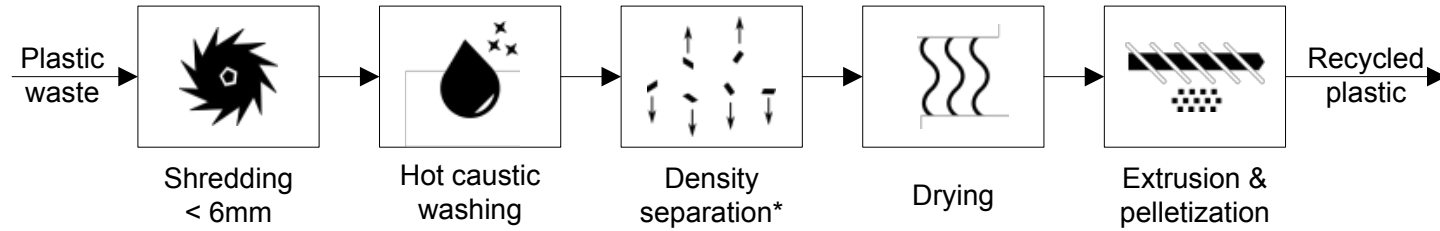
Eksempel: Plast fra genbrugsstationer



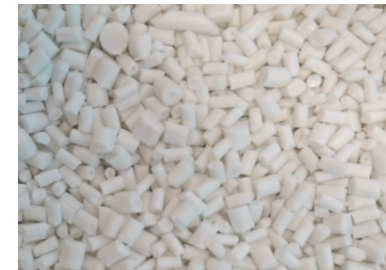
Genanvendelse af plast fra genbrugsstationer



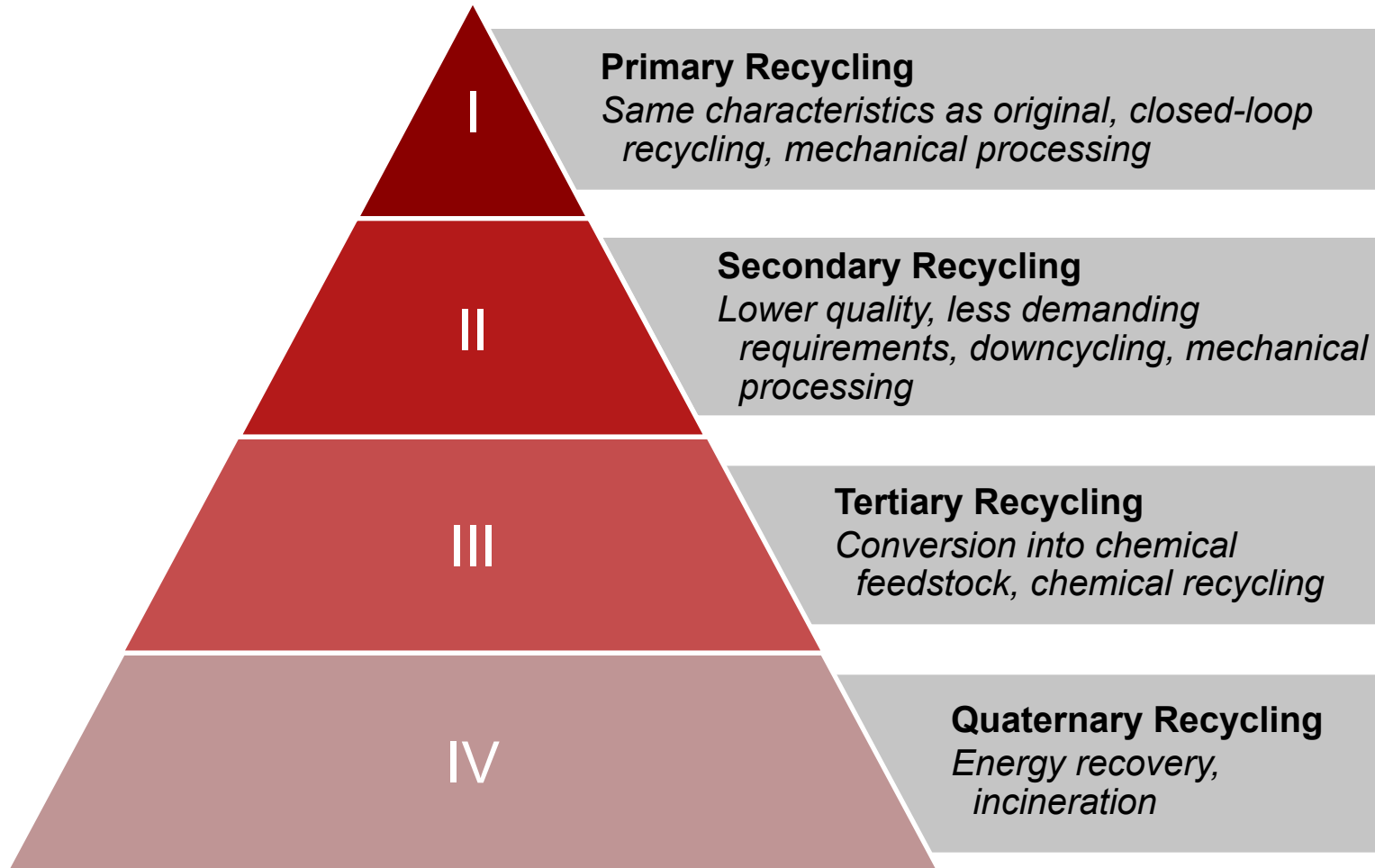
Hvordan lukker vi kredsløbene?



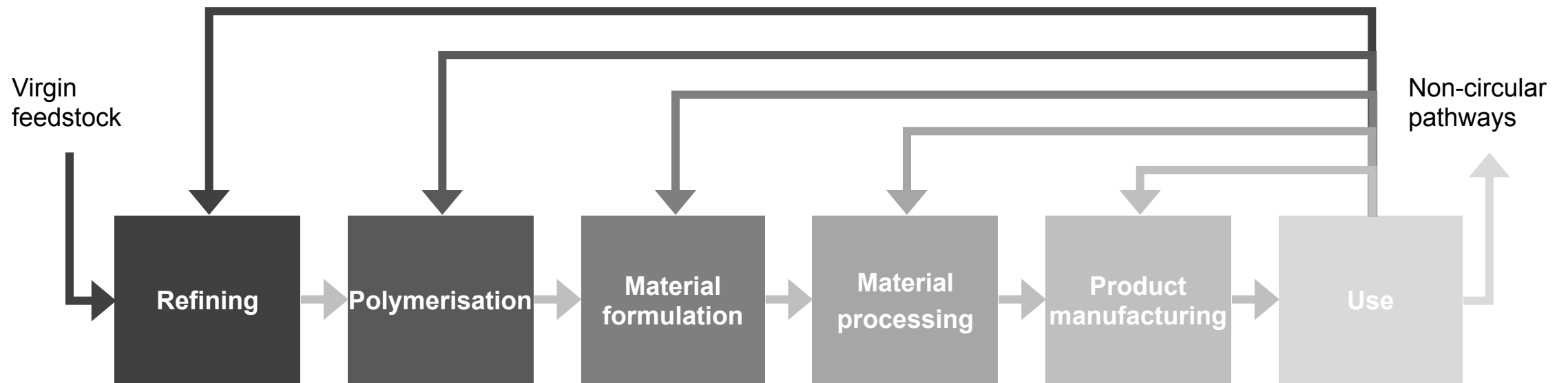
Materialeegenskaber
 Forurening
 Behandlingseffektivitet
 Restfraktioner
 Emissioner
 ...



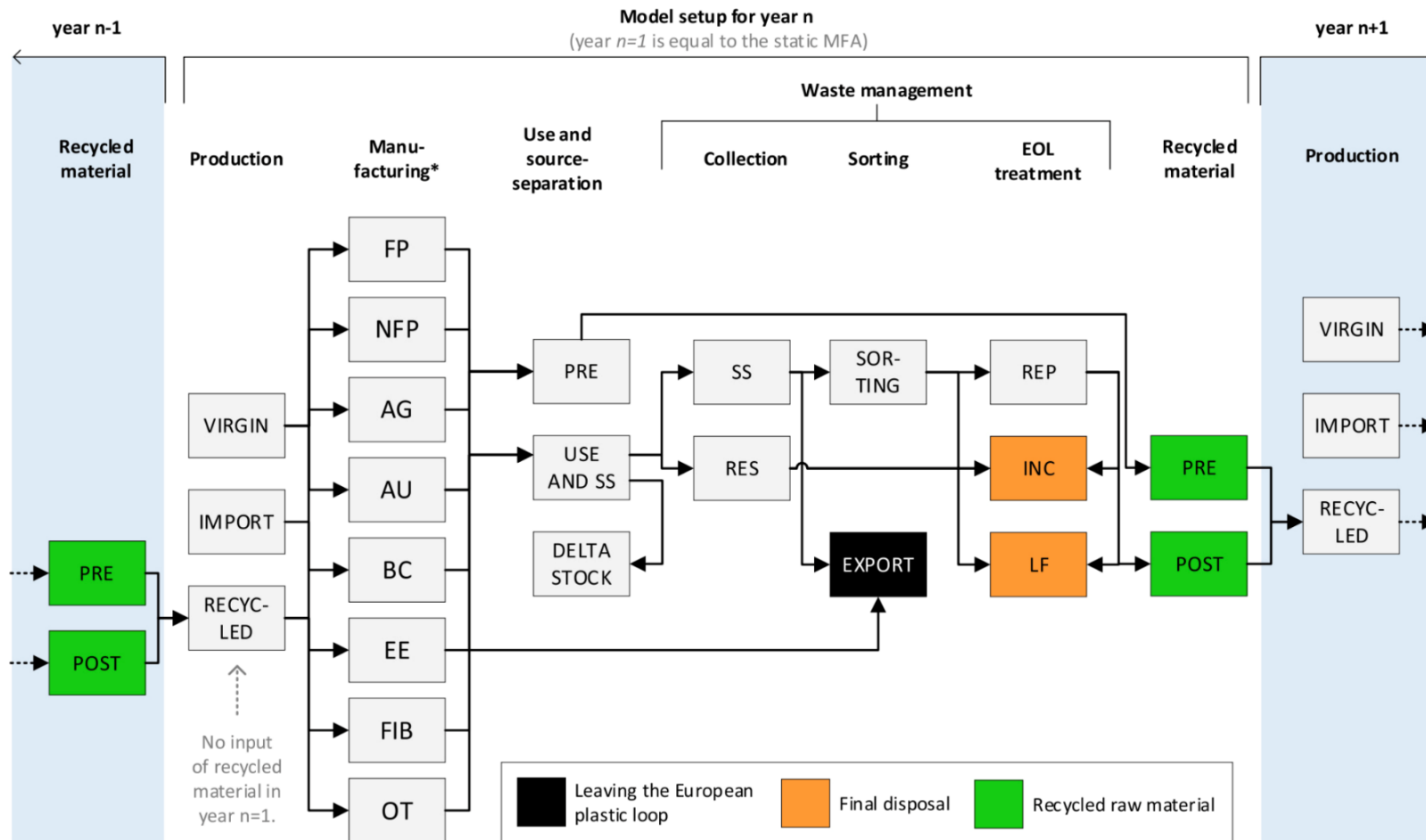
Niveauer af genanvendelse



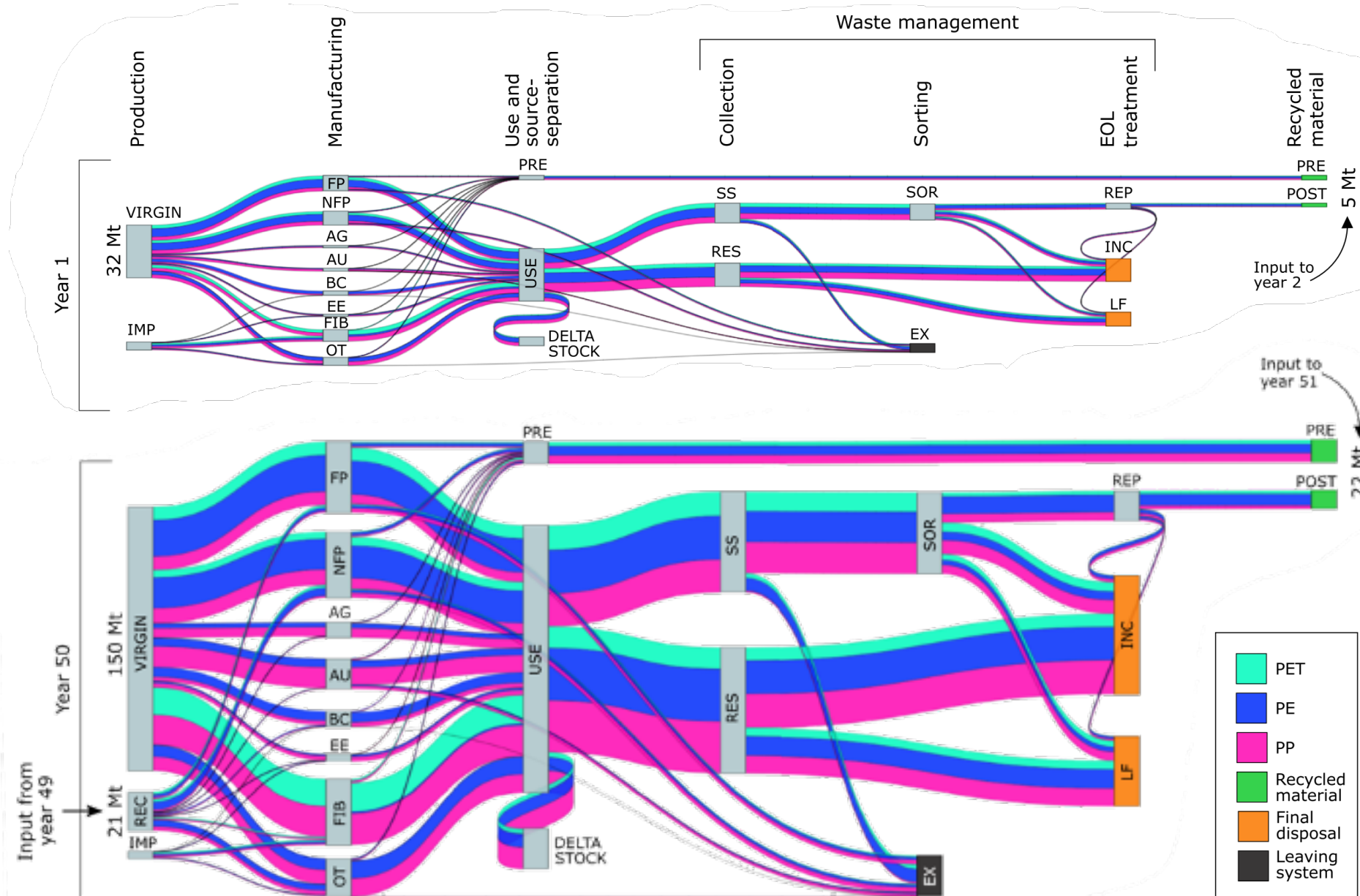
Forskellige veje til genanvendelse af plast



Potentialet for at lukke plastkredsløbene i Europa



AG: agriculture, AU: automotive, BC: building and construction, EE: electrical and electronics, EX: exports, FIB: fibers, FP: food packaging, IMP: import, INC: incineration, LF: landfill, NFP: nonfood packaging, OT: others, POST: postconsumer, PRE: preconsumer, REC: recycled plastic, REP: reprocessing, RES: residual waste, SOR: sorting, and SS: source-separated waste.

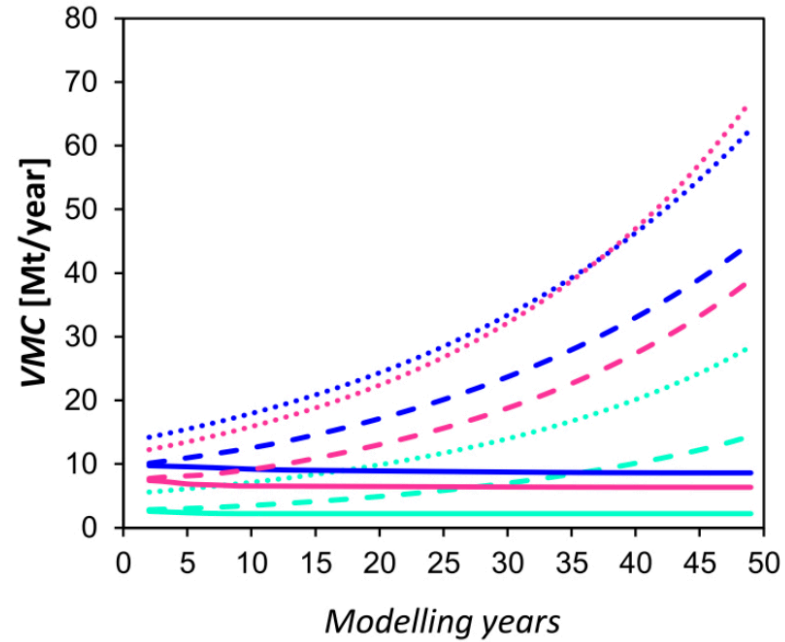
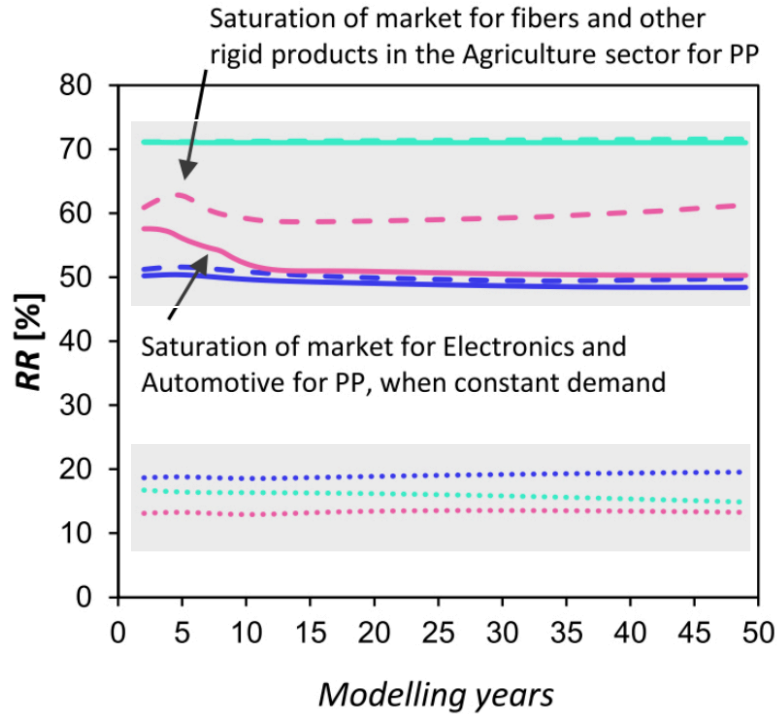


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Potentiale for øget plastgenanvendelse i Europa

Potentiale →

Baseline →



PET:	PE:	PP:
--- S5a: Increasing demand	--- S5a: Increasing demand	--- S5a: Increasing demand
— S5b: Constant demand	— S5b: Constant demand	— S5b: Constant demand
..... S0: Baseline S0: Baseline S0: Baseline

