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Dansk Vand Konference, 13.11.2019

LCA: et værktøj til planlægning af vandressource genvinding (VARGA)

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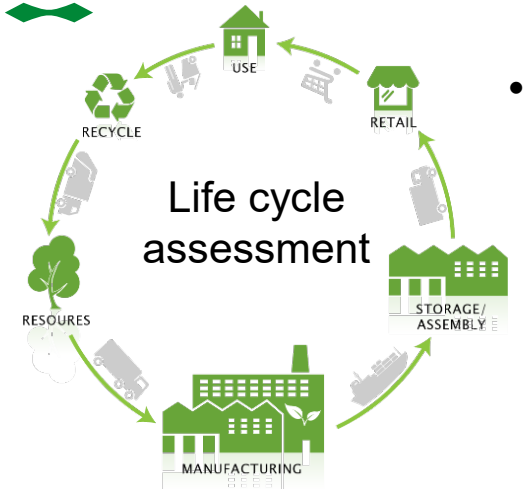
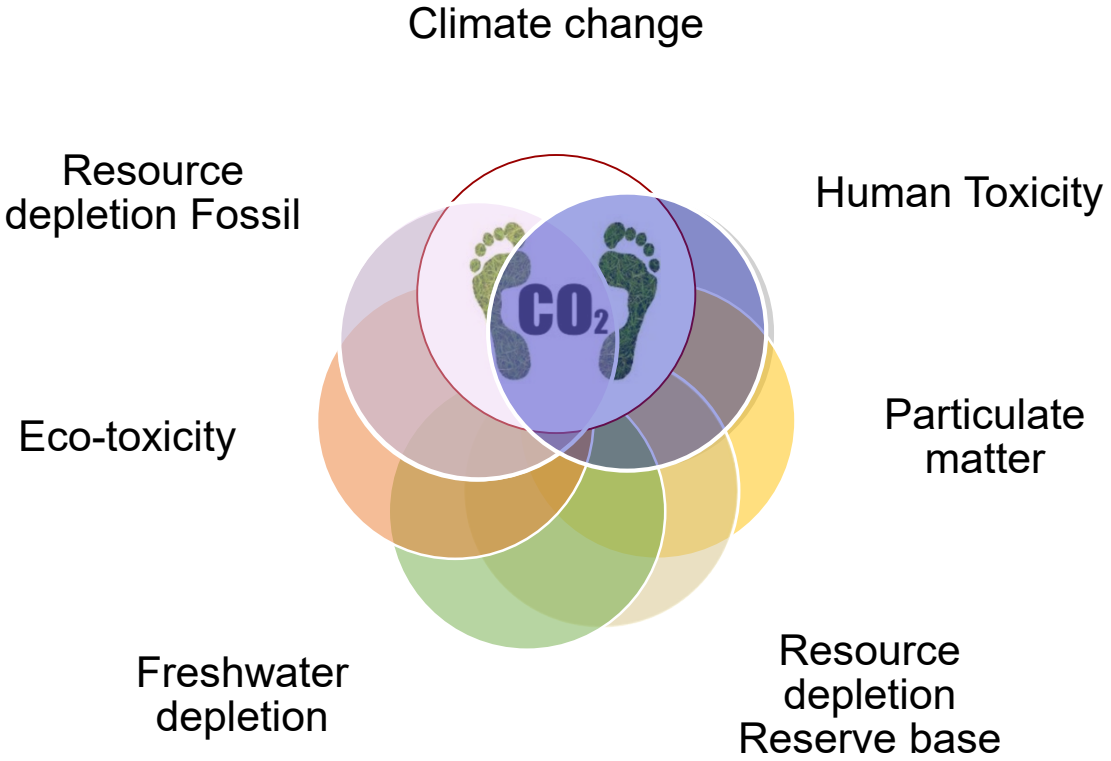
Miljøpåvirkninger af overgang fra ”nuværende Avedøre” til VARGA

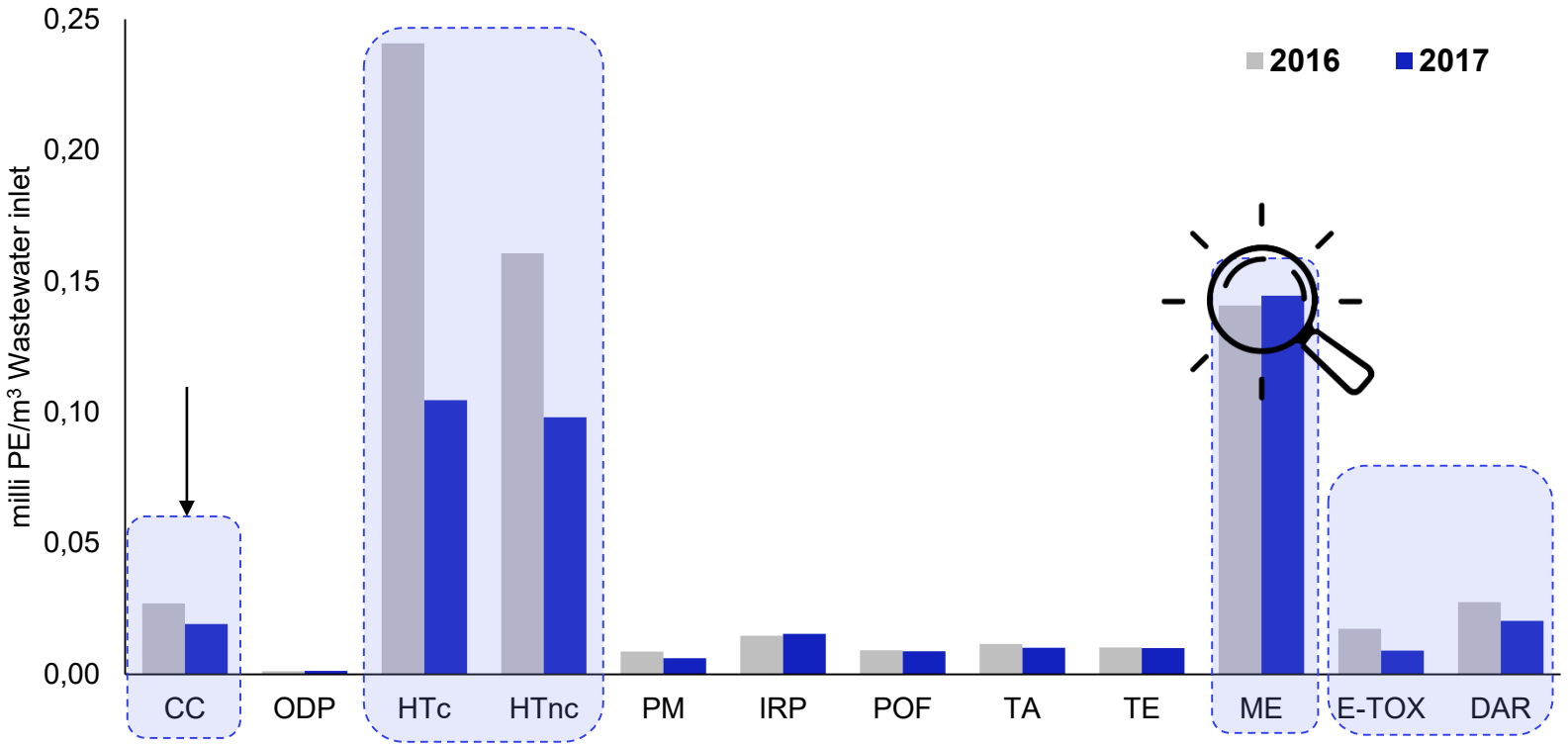


- LCA vurdering af Avedøre renseanlæg i år 2016 & 2017 for at:
  1. **Identificere** hotspots
  2. **Optimere** designet af det fremtidige VARGA i 2025
  3. **Forudsige** fremtidige performance for Avedøre renseanlæg i 2025

Mere holistisk
Beslutnings støtteværktøj



Miljøpåvirkninger af overgang fra ”nuværende Avedøre” til VARGA



Abbreviations:

CC: climate change

ODP: ozone depletion

HTc: human toxicity carcinogenic

HTnc: human toxicity non-carcinogenic

PM: particulate matter

IRP: ionising radiation

POF: photochemical oxidant formation

TA: terrestrial acidification

TE: terrestrial eutrophication

ME: marine eutrophication

E-TOX: freshwater eco-toxicity

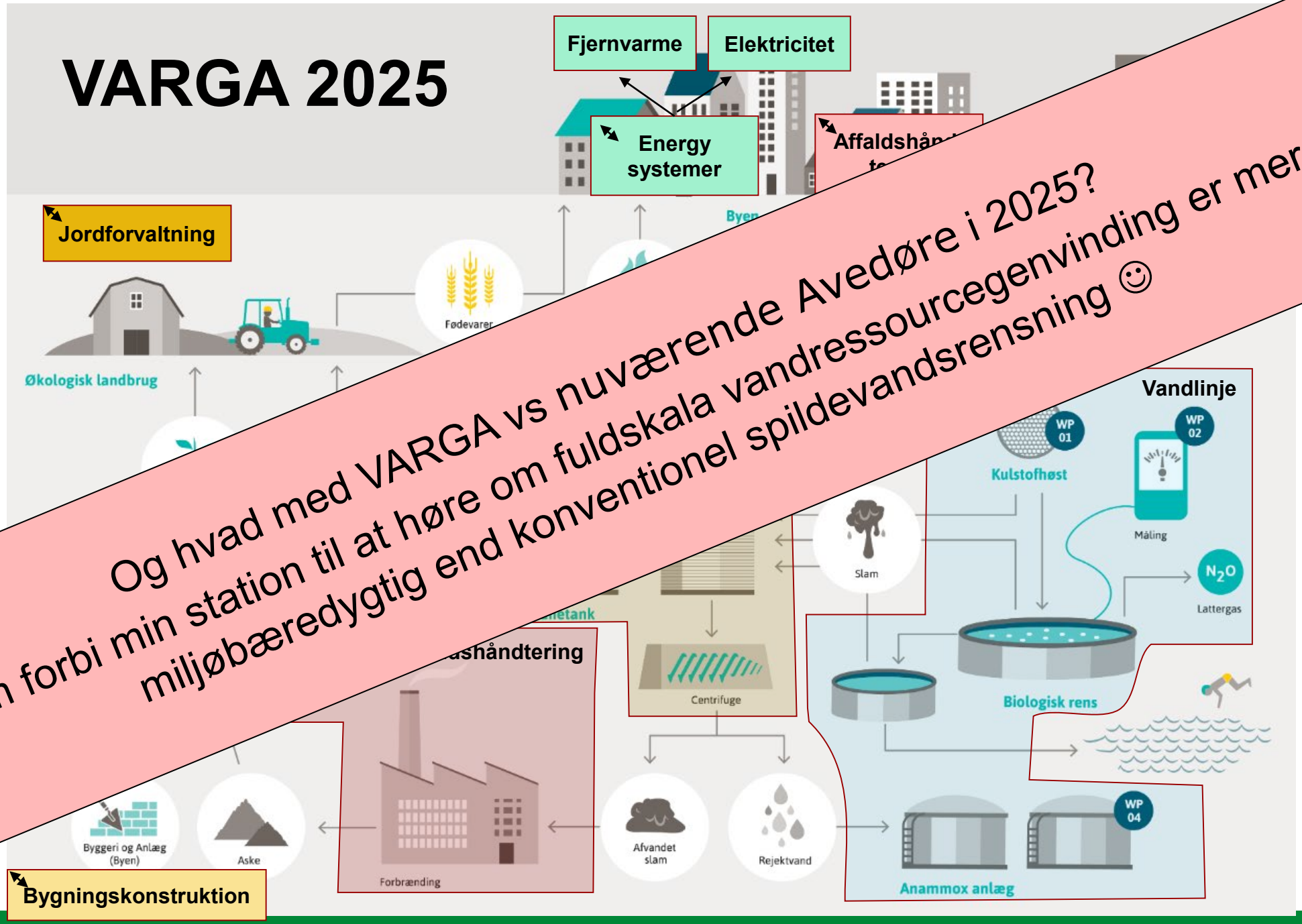
DAR: depletion of abiotic resources

Hovedkonklusioner:

1. LCA giver os **viden om forskellen i miljøpåvirkningen fra år til år** – der er en tendens til at 2017 var bedre end 2016.

2. LCA’en kan **pege på hotspots** og **mulige *trade-offs***, det vil sige steder hvor der bør sættes ind i en optimering af anlægget.

VARGA 2025



Og hvad med VARGA vs nuværende Avedøre i 2025?
Kom forbi min station til at høre om fuldskala vandressourcegenvinding er mere miljøbæredygtig end konventionel spildevandsrensning ☺