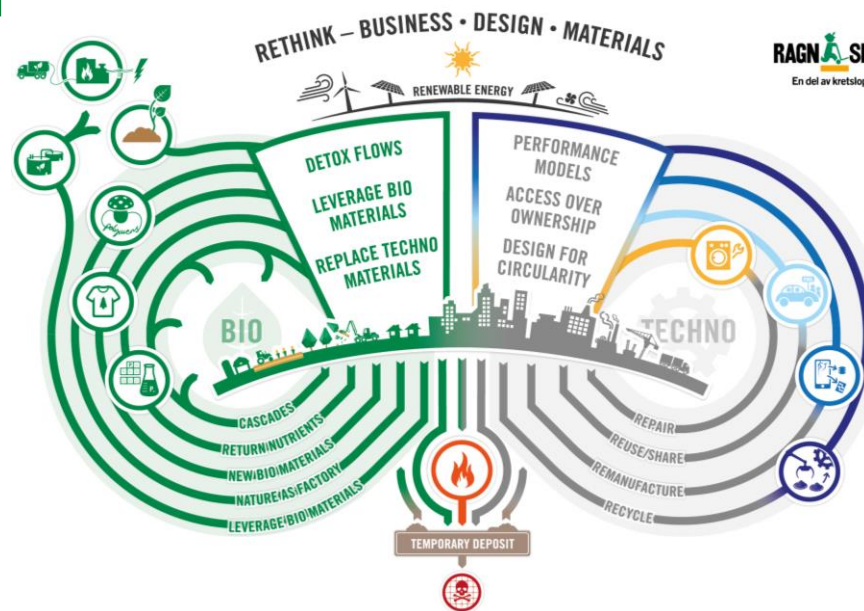


CIRCULAR ECONOMY – VERSUS SOCIAL SUSTAINABILITY

Pär Larshans
CSO
Ragn-Sells



RAGN-SELLS – RECYCLING IN OUR DNA SINCE 1881

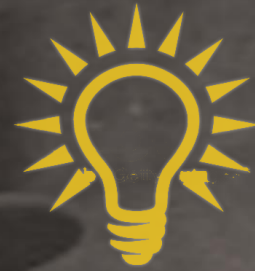


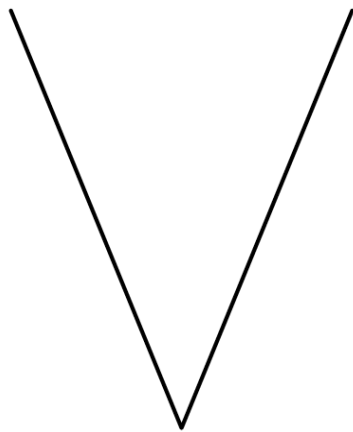
- 100+ facilities
- 2,300 employees
- 5,300 mEURO
- 4+ m tonnes

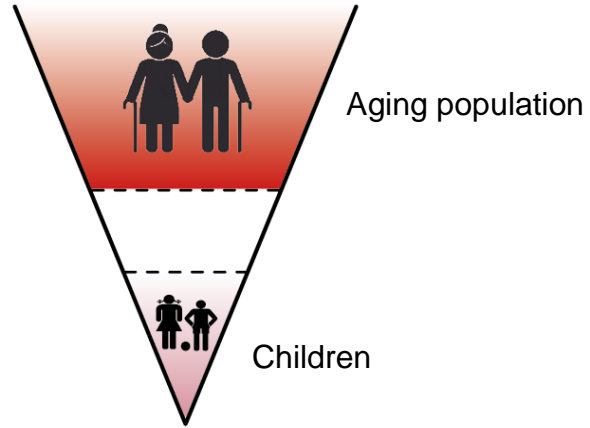


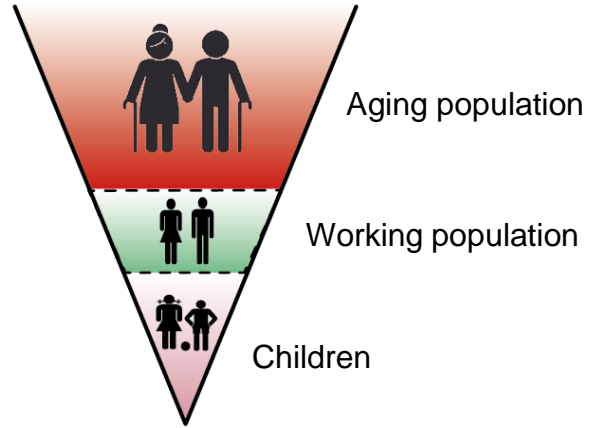


Bi-polar

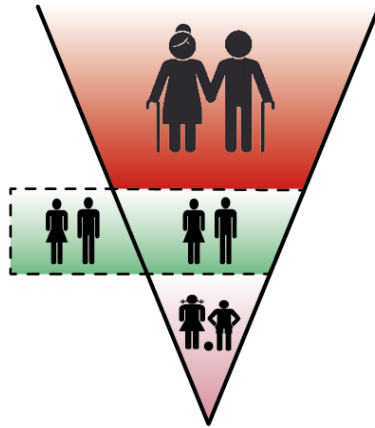




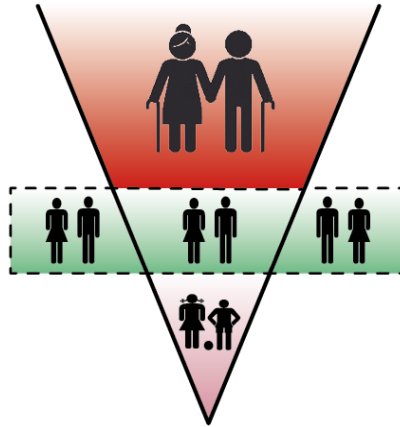




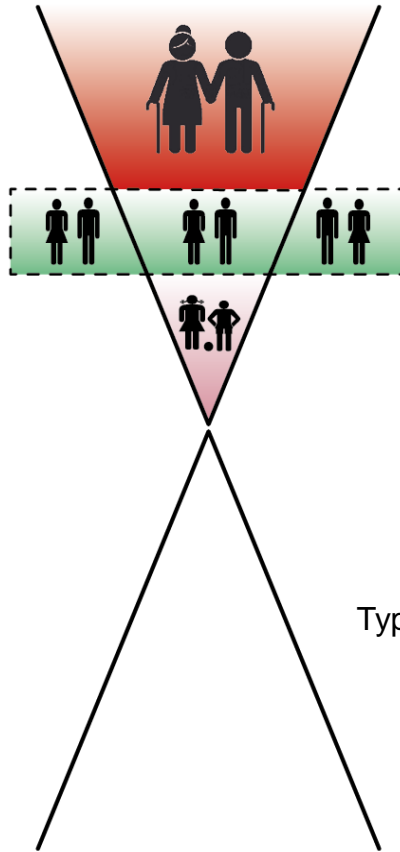
Immigrant resources



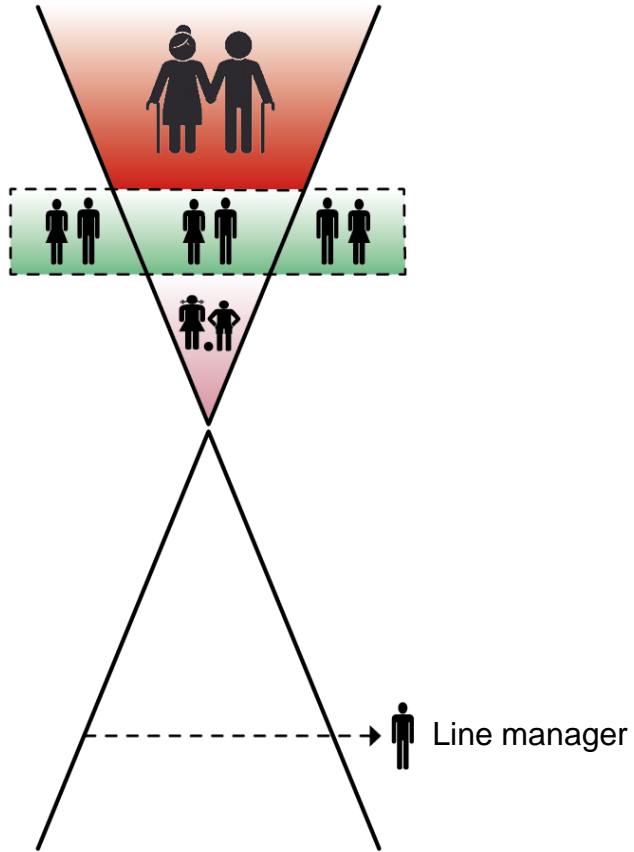
Immigrant resources

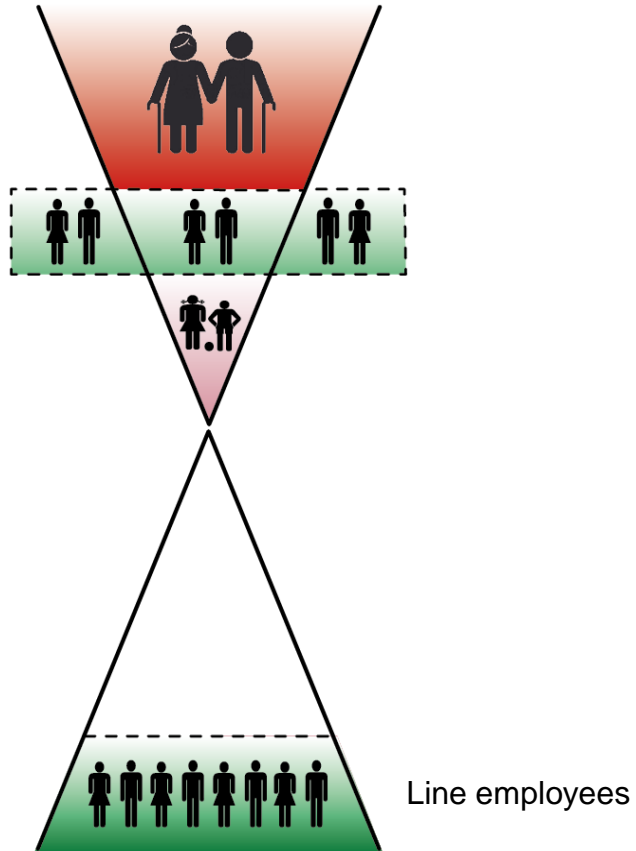


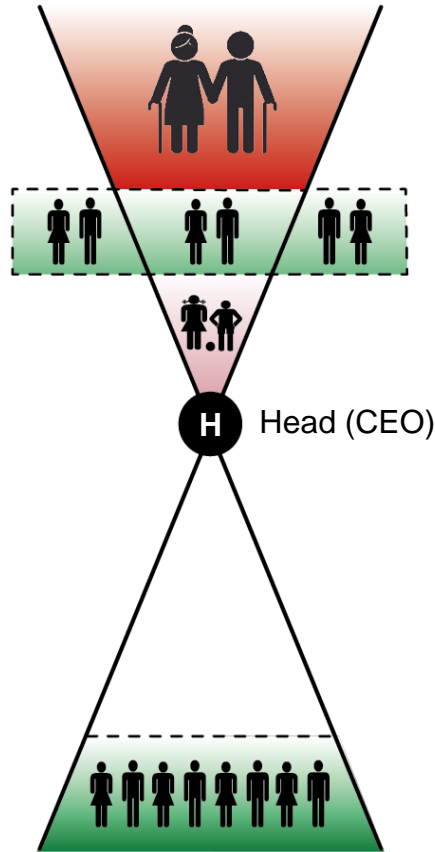
Disability resources

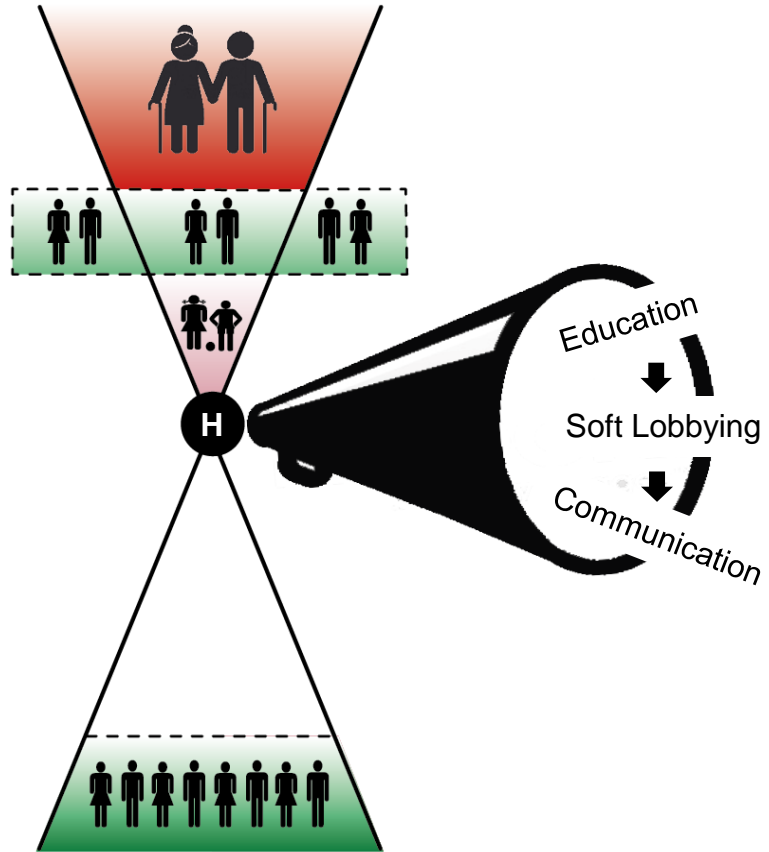


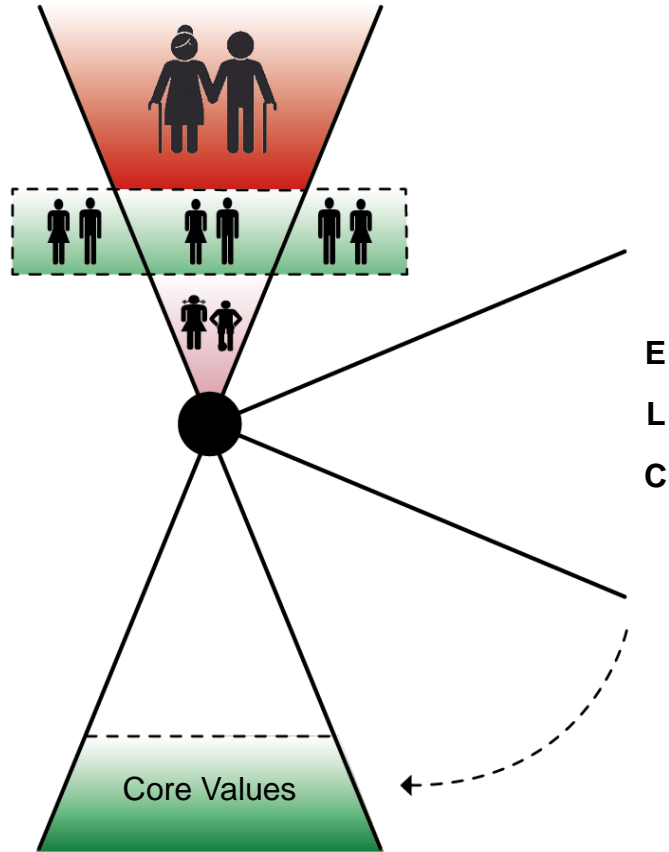
Typical company organization

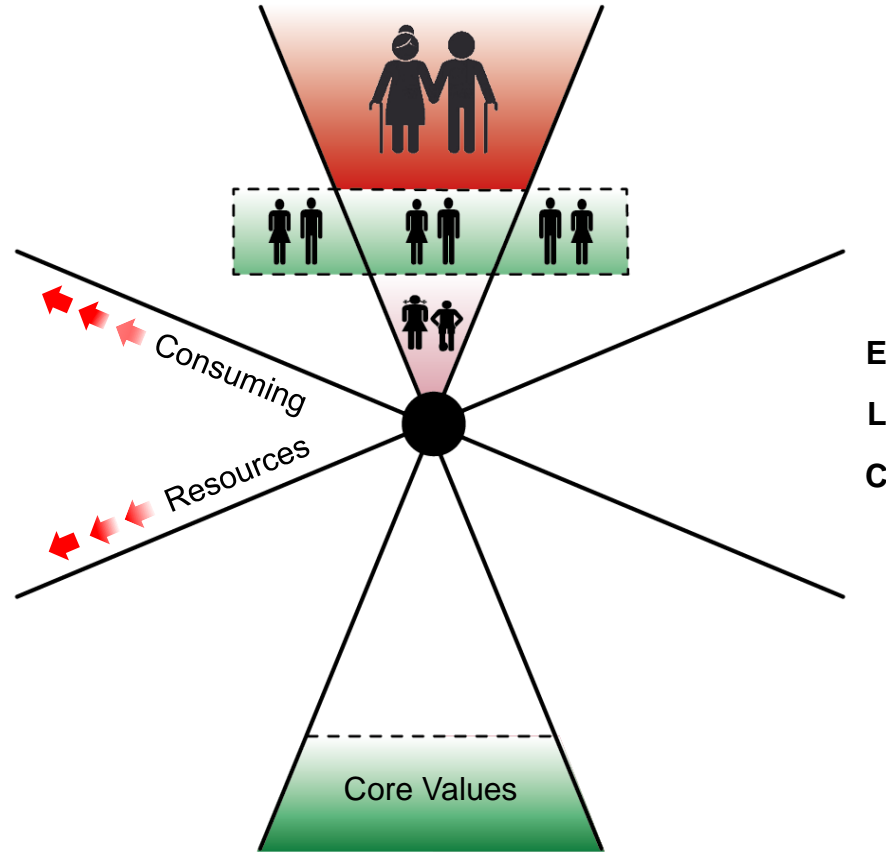


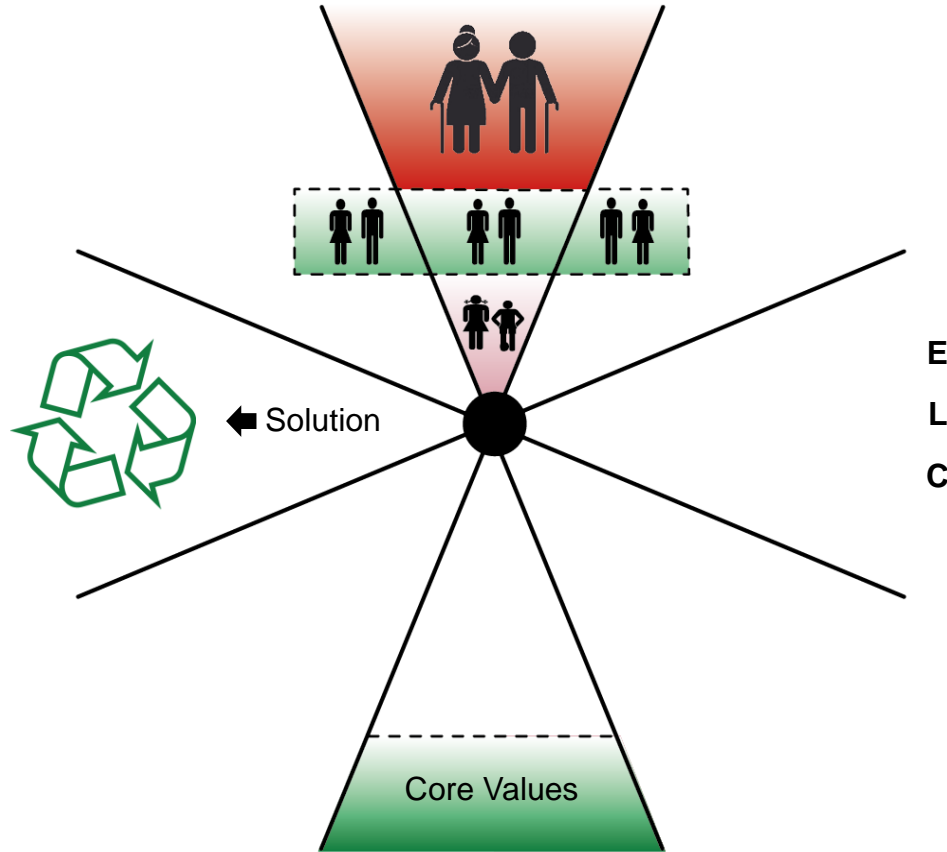






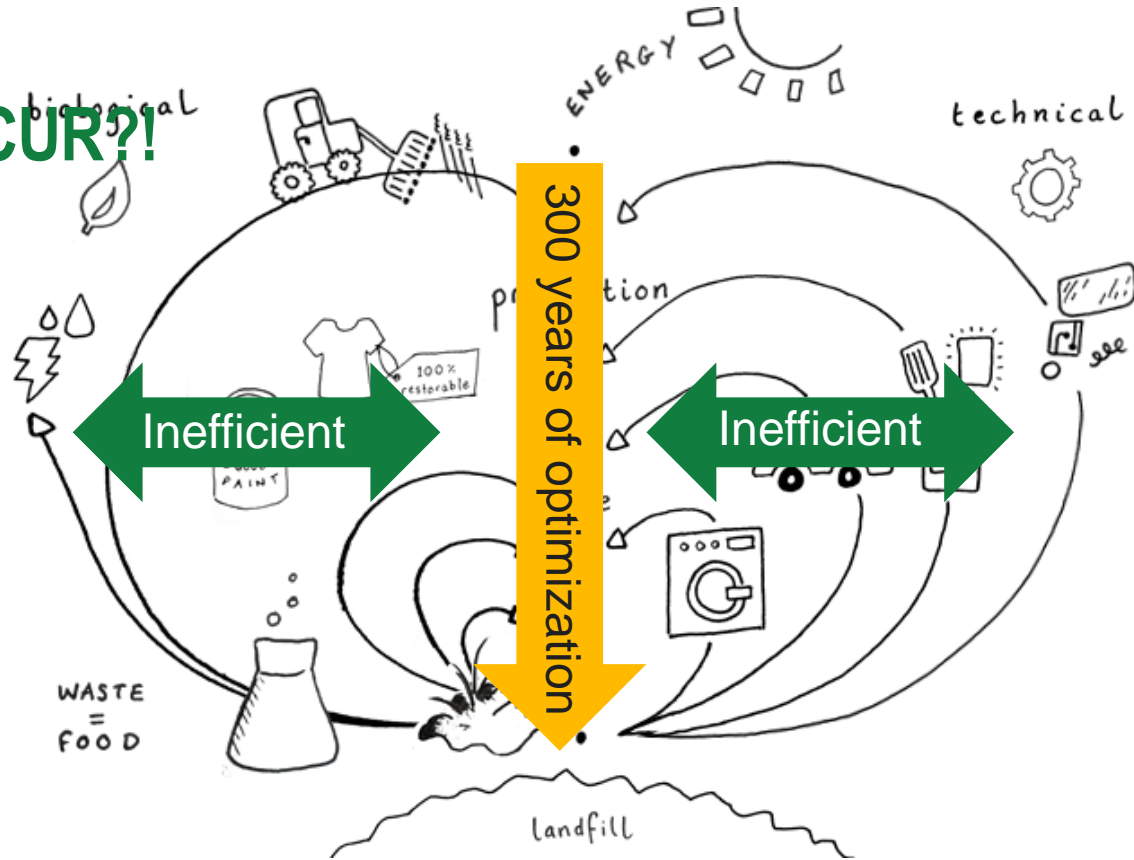




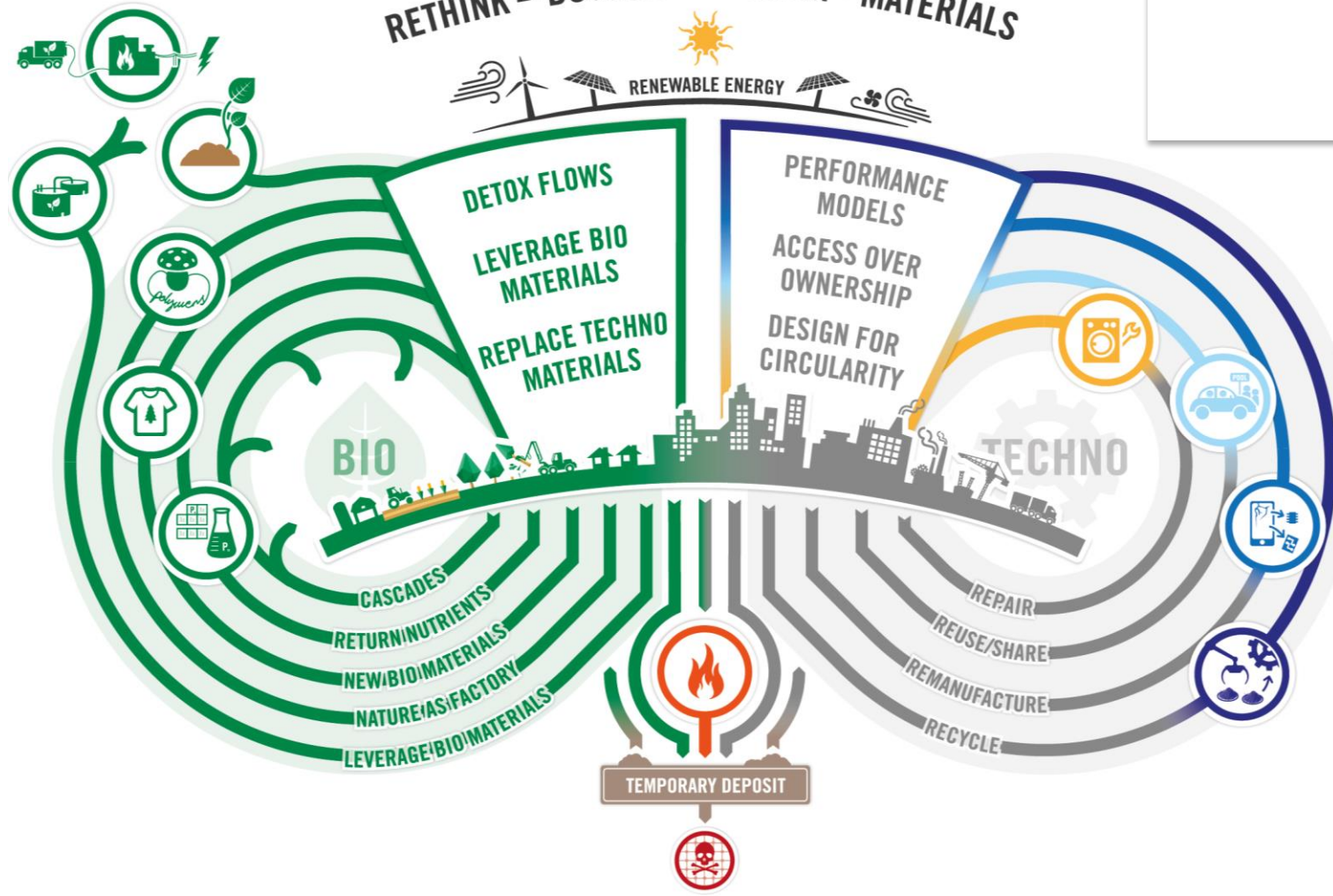


WHY DOES WASTE OCCUR?!

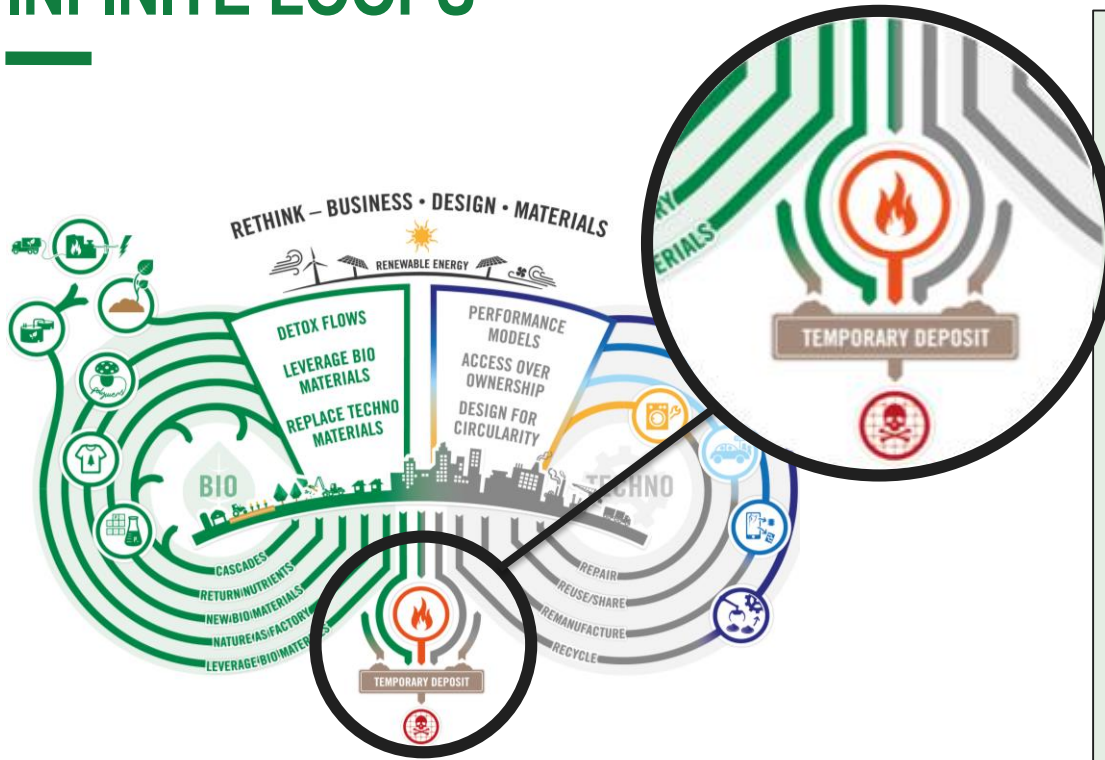
- Externalities not priced and environmental protection is weak
- No scarcity of raw materials
- Steadily falling prices
- Lack of understanding



RETHINK – BUSINESS • DESIGN • MATERIALS



ZERO WASTE, TOXINS UNDER CONTROL INFINITE LOOPS



Redefine the role of landfills to 1)
Detox, 2) Mining and
3) Temporary storage

No more food waste to incineration.
Biogas is good, nutrients even
better!



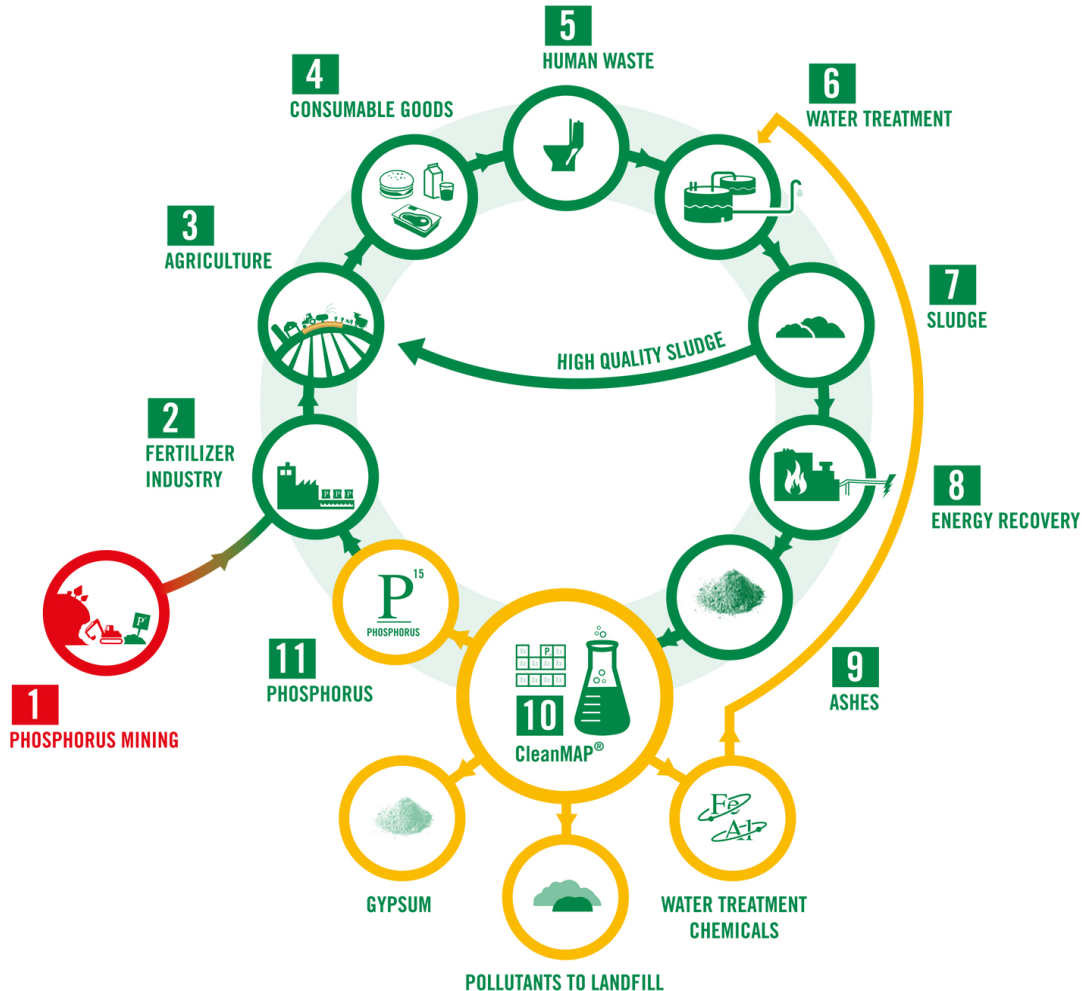
Birthplace for the circular base
industry. Need same conditions as
linear raw material industry

PROGRESSIVE STEPS FOR A CIRCULAR ECONOMY

All phosphorous must be recycled!



**By 2050, we need to grow 50% more food,
while we may be running out of technically and
economically available phosphorus.**



Through a unique technology we are able to extract phosphorus from sludge that can be returned as nutrients to farm land



En del av kretsloppet



Tack för mig.