Central Denmark Region Circular Economy

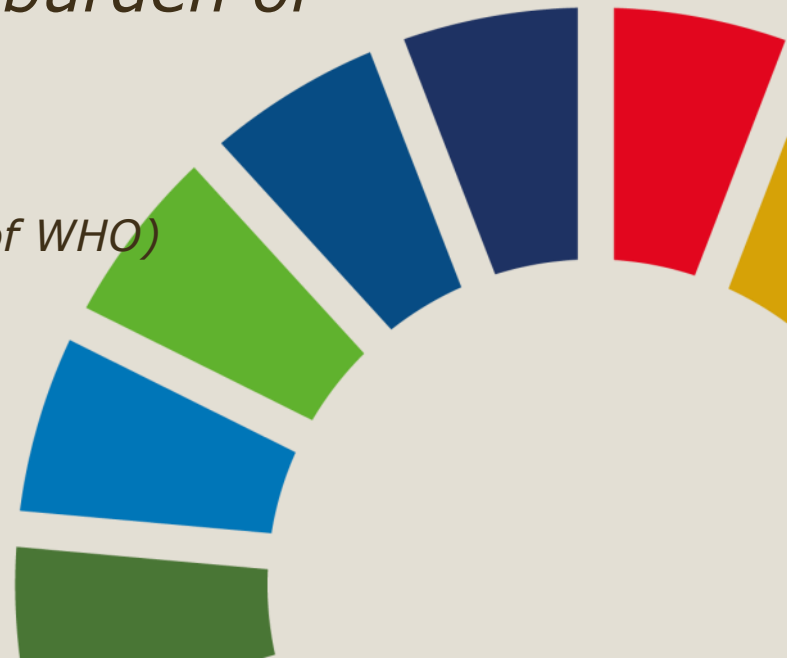
why, what, how?
from testlabs to scale
from local work to national impact

Rolf Johnsen

January 29th-2020

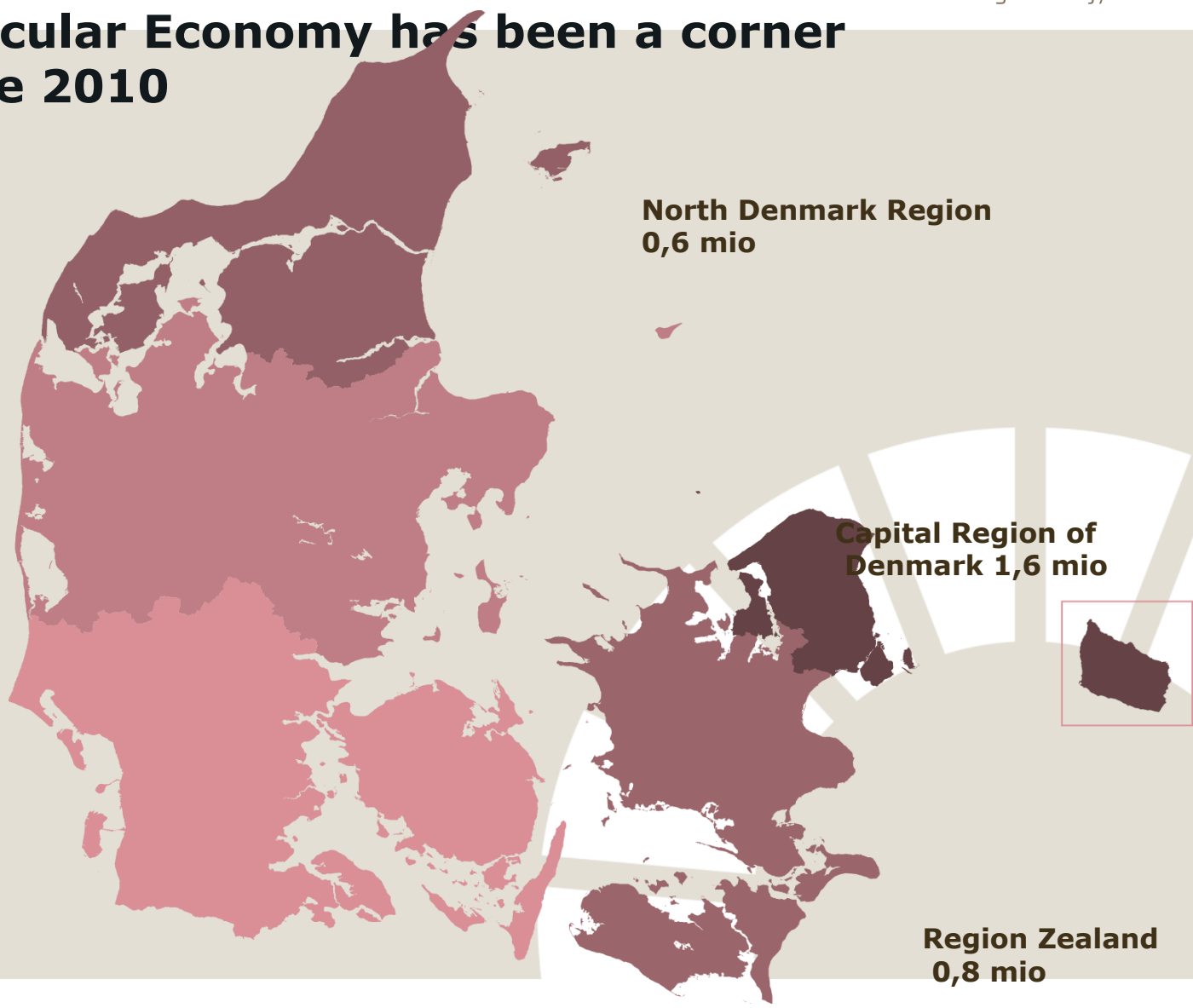
- places of healing should be leading the way, not contributing to the burden of diseases...”

(Tedros A.Ghebreyesus, Director General of WHO)

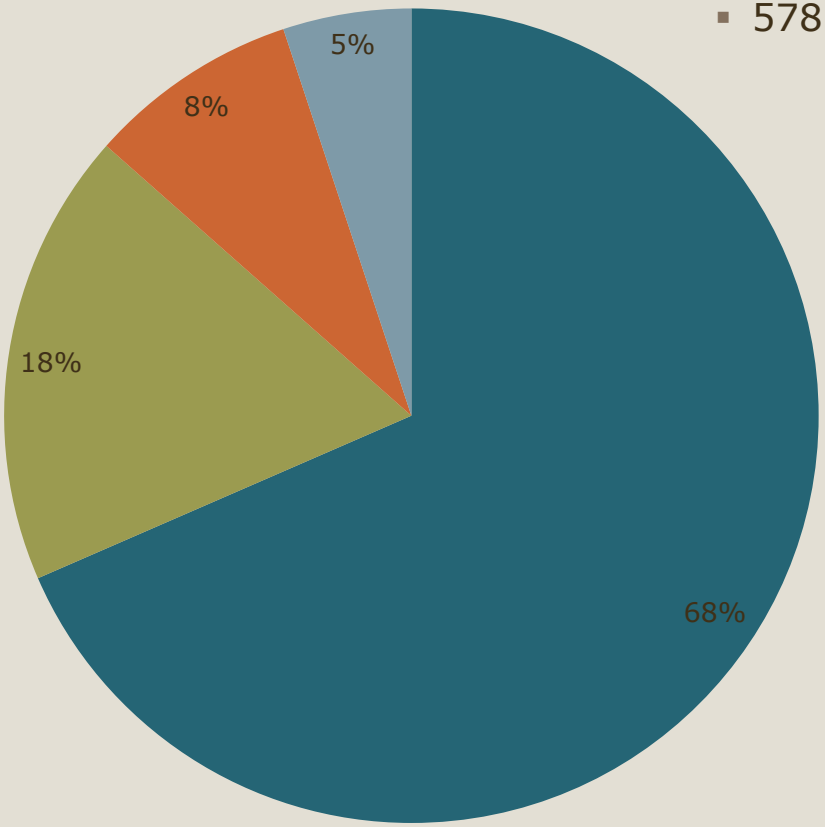


https://noharm-europe.org/ClimateFootprintReport

5 Regions in Denmark- In Central Denmark Region Circular Economy has been a corner stone since 2010



CDR's Emission in 2018
- Hospitals & Staff functions in total



- 578.000 tons CO2 i 2018

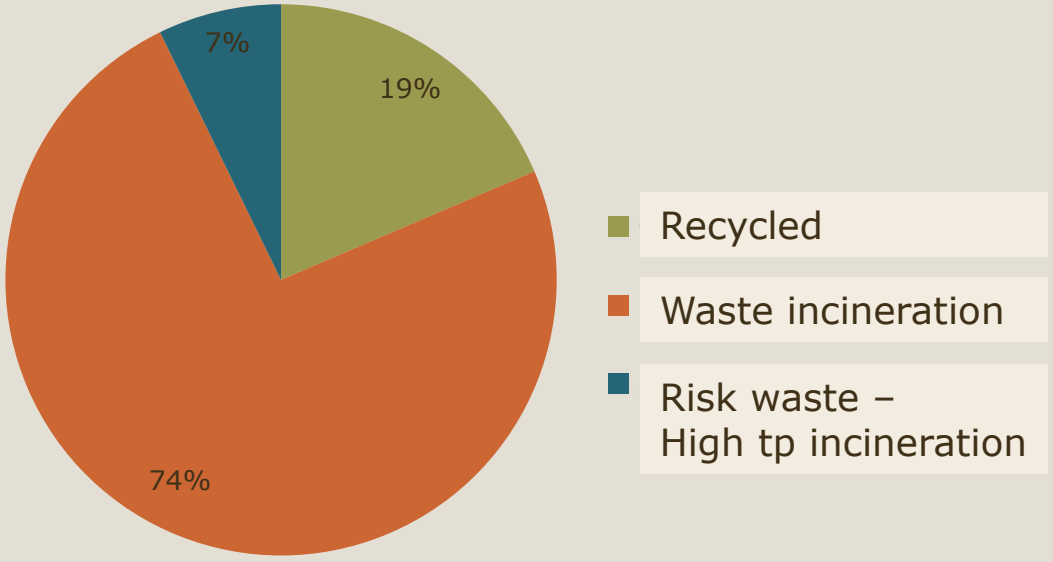
Consumption of goods and services

Constructions

Transport

Energy, water

Hospital waste 2018



- In total: 7000 tons of unsorted waste from CDR's hospitals in 2018
- Only 19% Recycled...

Circular economy, what we want to enhance with the new economic model ?

- **End of waste**. Keep using the same materiales,=waste is ressources
- **More upcycling** instead of downcycling
- **More singular material** fractions
- **Design to dissasembly**, repair and reuse

- ***Create value for every stakeholder along a valuechain when turning circular***

Interlinked key areas, we are dealing with

- **Education, awareness, mobilisation**
  - **Business Support Schemes**
  - **Collaboration platforms**
  - **Value Chains**
  - **Public Procurement**

CIRKULÆR
Leave no one behind
2019

THE IDEA

The idea is to create an outdoor space in the city of Randers, centered around a playground, where the elements are made of recycled plasticwaste from the local and regional hospitals.

The space should serve as inspiration for other local (and global) partners to make valuechain cooperations in order to increase health and wellbeing for the local population, being both present and future generations.

Randers Kommune

Dansk Affaldsminimering ApS
Rensning og genanvendelse af forurenet emballageplast

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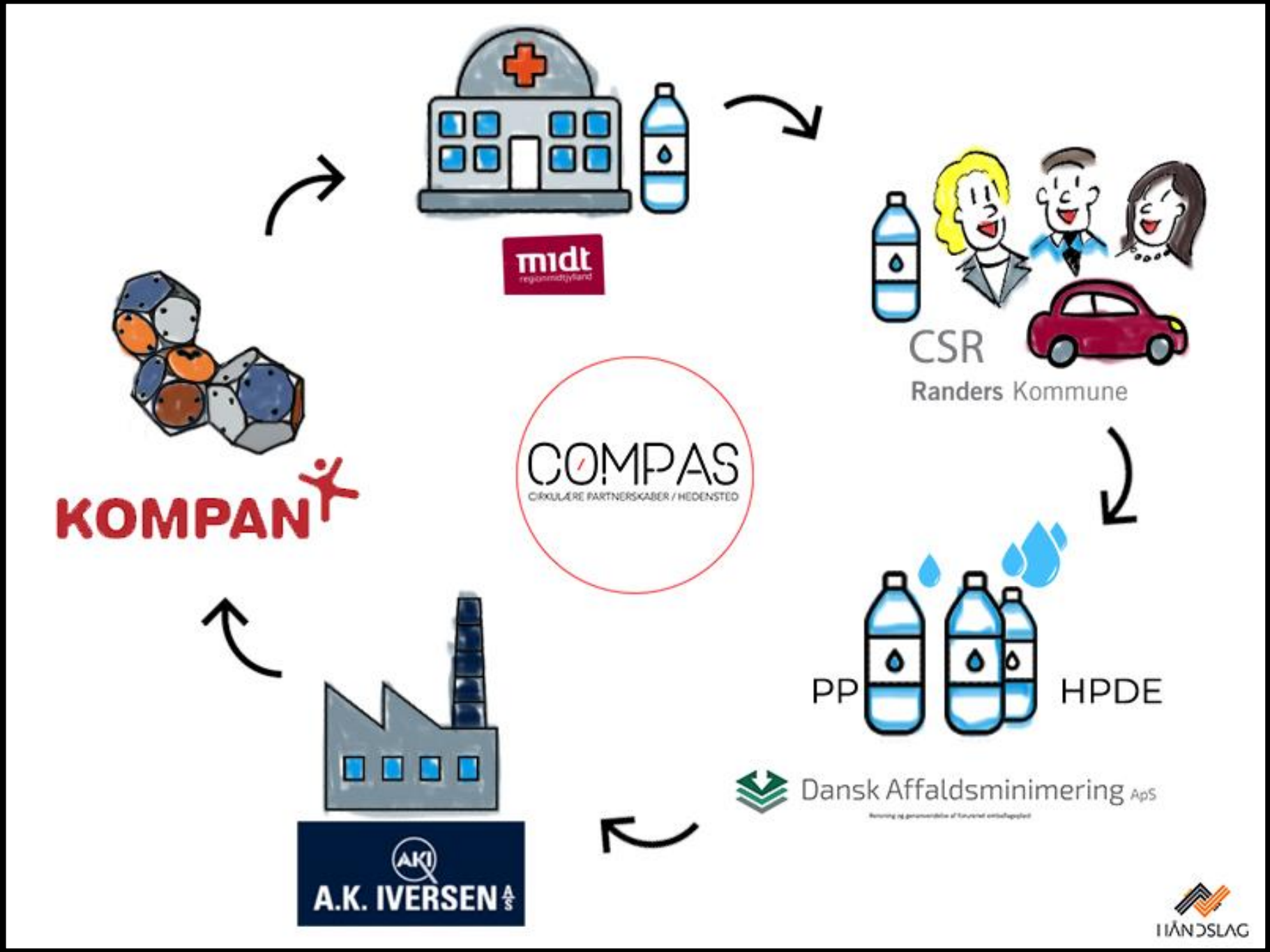
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The Sustainable Surgical Ward

- Cross-professional, cross-departemental working groups
- 2 tracks: low consumption + high recycling
- Baselines, data, evidence, and observation of culture
- Cross-hospital cooperation

The Nordic Swan

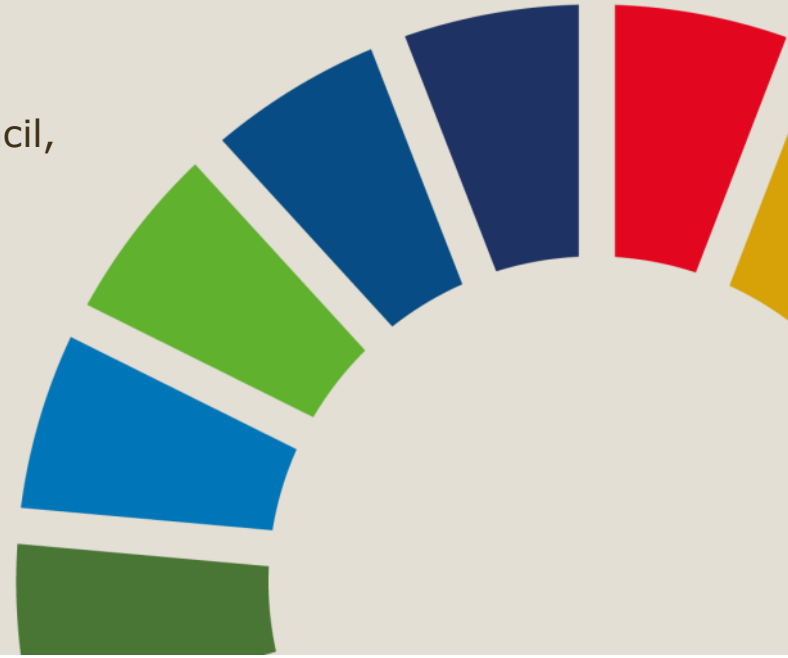
Consumption of plasticbags per year at the Regional Hospital of Randers:

- **2018: 931.000**
- **2019: 752.000**
- **Reduction of 149.000 plasticbags = 19,5%**
- **In plastic materials; a reduction of 3 tons, from 19 tons to 16 tons per year =14,5 %**
- **Moneywise, a reduction of 30.000 Dkr 12,5%**

25 plasticbags in bins, weighing close to nothing…
= - 43 kg plastic/year

"Good partnerships are fundamental to regional and global success"

- Anders Kühnau, Chairman of the Regional Council, Central Denmark Region



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