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# Re-use, Rethink, Reduce

— The Netherlands —

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# Introduction



## Isala Hospital, Zwolle

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# Overview (1/2)

## The Green Deal Healthcare Agreement 3.0

- Reducing carbon dioxide emissions by 49% by 2030 and achieve carbon neutrality by 2050

## Environment Thermometer for Healthcare

- Certification system
- More cooperation, more visibility and more commitment

## Green Teams

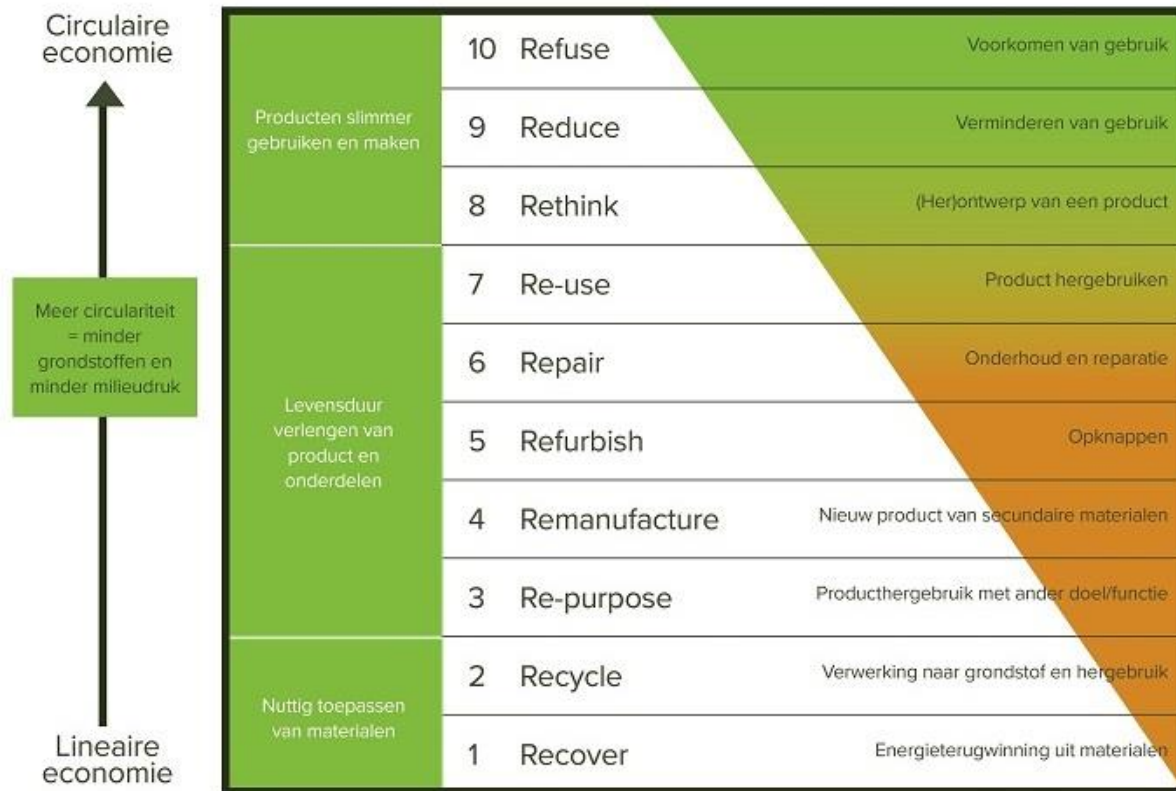
- Enable the change from a bottom - up approach



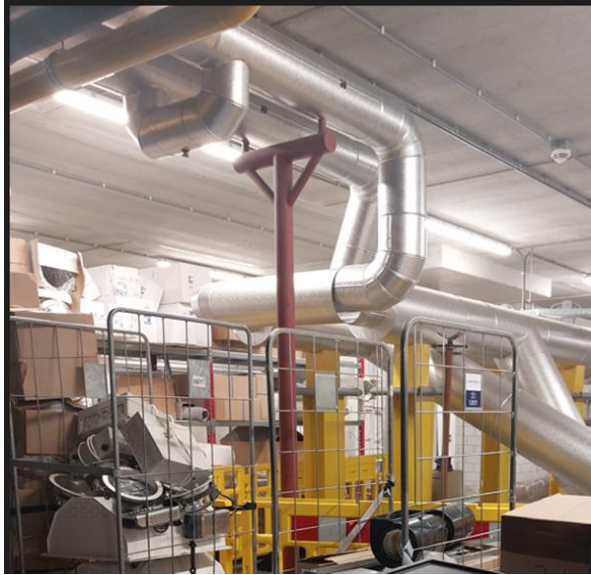


# Overview (2/2)

- Re-use
- Rethink
- Reduce



# A few examples to start with...



**MAASSTAD  
ZIEKENHUIS**  
een santeon ziekenhuis



**olvg**   
een santeon  
ziekenhuis



**isala**

# Re-use in the Operating Room



25% of the waste of Maastricht Hospital is produced in the Operating Rooms

10-15 kg of waste per surgery

- Re-using the anaesthetic tubing. Saved €20,000 and 700kg of plastic in one year
- Re-using surgical caps rather than using the disposable ones
- Re-using blankets
- Re-using the suction containers using “Neptune”



# Rethink Patient Pathways



***Visiting the Sick, Michael Sweerts, c. 1646 - c. 1649***

*“Helpful visitors enter the home of a poor family to minister to the sick. Seated next to a bed, a doctor points his finger upward, as though to say that only God holds man’s fate in his hands. Standing by the side of an old woman is a child, who gazes imploringly at the viewer.”*



# Rethink Patient Pathways

**Why?** Aging Demographic, Shortage of Staff, Quality Standards, Sustainable Practices

## Rethink Patients Flow - Focus on Home Care!

E-Health: tele consultations and tele monitoring

Around 50% of follow up consultations are tele consultations in the Netherlands



# Rethink Patient Pathways



## Benefits?

- More convenient for patients
- Improve hospital capacity
- Avoids possible CO2 emissions caused by patients commuting → road traffic responsible for 17% of total CO2 emissions in the Netherlands.

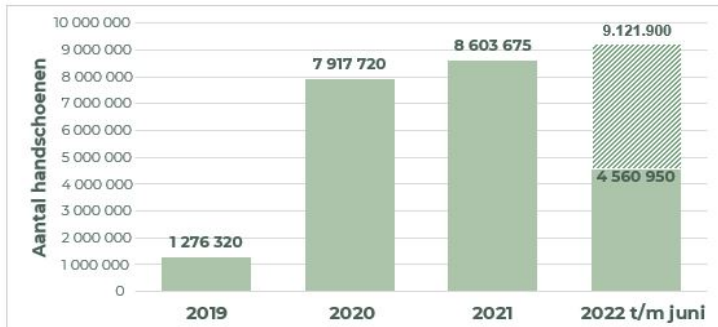
# Reduce Use of Gloves

**Why?** To reduce CO2 emissions, costs and the spread of microorganisms



**“Proper Use of Gloves” campaign in Southwest region**

**“No Risk, No glove” campaign in Isala Hospital**



# Refuse unnecessary care

GP (General Practitioner) is the gate keeper

94% of all complaints treated by GP

Evidence based recommendations

Avoid over treating and over diagnose

RESEARCH

Open Access



## Identifying and prioritizing do-not-do recommendations in Dutch primary care

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# Conclusion



## Take home message

Everyone can look at quality and cost effectiveness through *Green Glasses* (and *there is no excuse...!*)

*Start now*