



## The RENUVA™ Mattress Recycling Program

# Turning Waste to Value

Lucie Porcelli

EMEA Business Sustainability Leader  
Dow Polyurethanes

# Why are mattresses causing some to lose sleep?



Every year, around  
**30 million** mattresses\*  
are thrown away  
in Europe

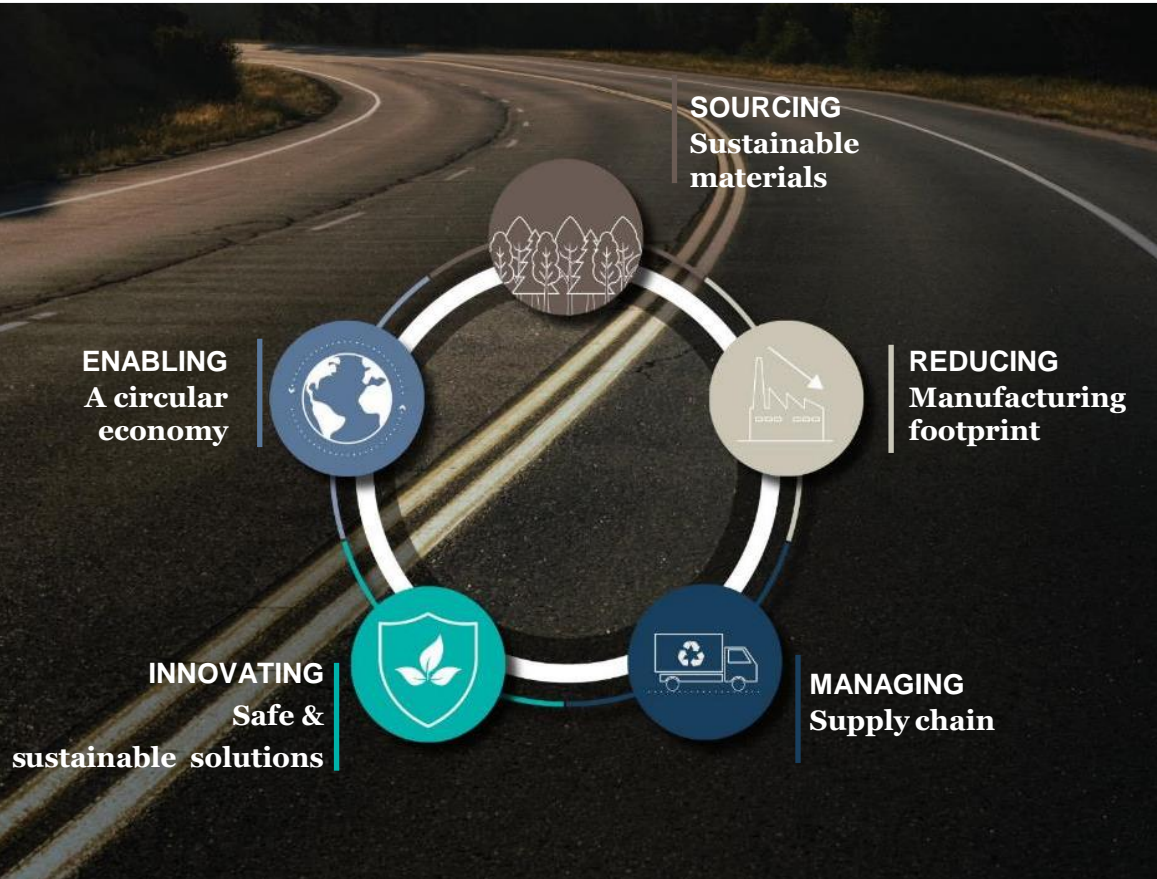


If they were all  
stacked up, the pile would  
be **678 times** the height  
of Mount Everest\*\*

\*AN OVERVIEW OF POSSIBLE END OF LIFE SOLUTIONS, Europur, 2017

\*\*Assuming an average mattress height of 20 cm. Height of Mount Everest is 8848 m

# What can we do as a Polyurethane business?



**Unlock polyurethanes' full sustainability potential by addressing sustainability along the whole product lifecycle**

# RENUVA™ Program:

## Closing the mattress loop

Dow circular economy program recycles end-of-life polyurethane products in collaboration with the value chain.

**Chemical recycling** converts polymeric waste materials by changing its structure into substances or mixtures that are capable to be used as raw materials to produce new products, excluding energy recovery.



# RENUVA™ Makes Mattress Recycling at Scale a Reality





## RENUVA™ Program Benefits

- Addresses the current waste issue
- Polyurethanes are recyclable
- CO<sub>2</sub> emissions reductions
- Collaboration along the whole value chain
- Policymakers can help speed up the transition to circularity



**Thank you**



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