

# Ringmajandus – uued ärimudelid ja võimalused



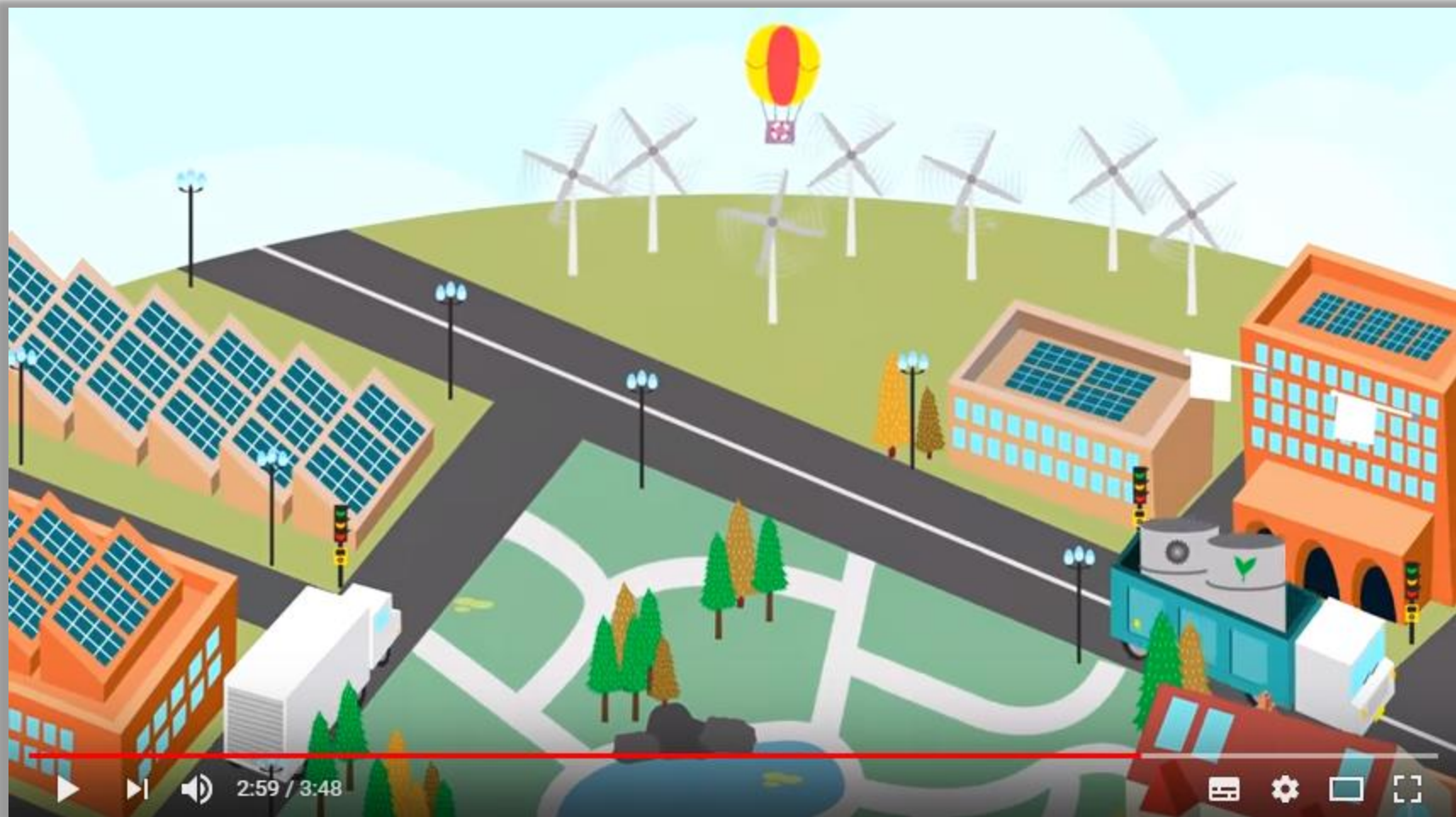
Kingdom of the Netherlands



EESTI  
KESKKONNAJUHTIMISE  
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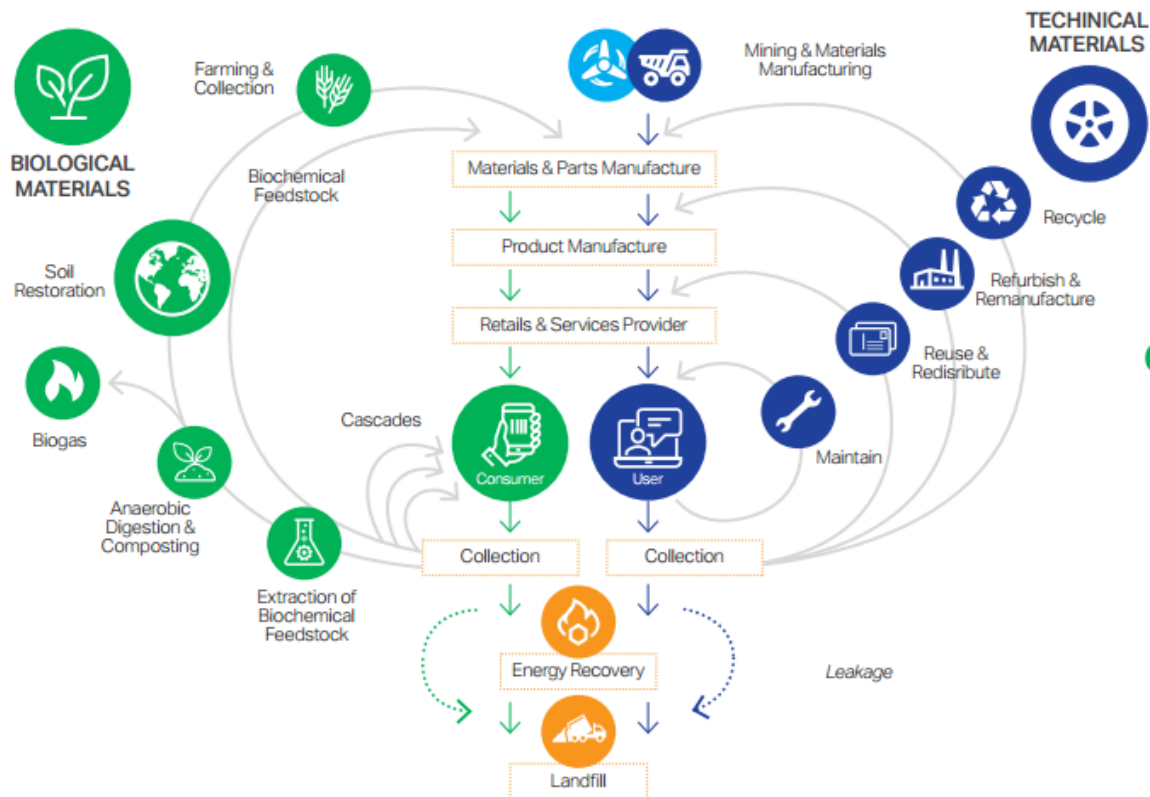


SUSTINERE



<https://www.youtube.com/watch?v=zCRKvDyyHml>

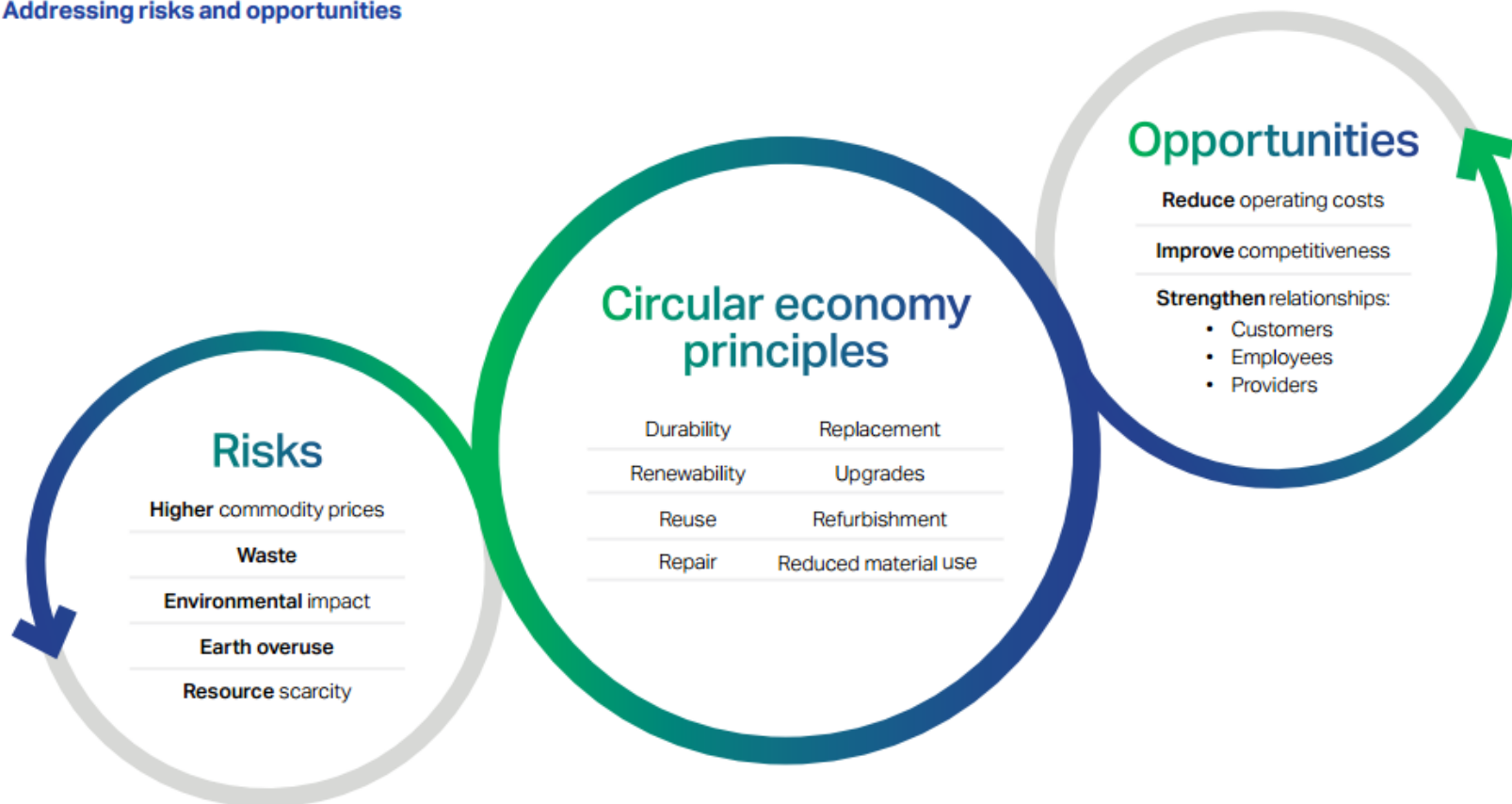
**Figure 1:**  
**Outline of the circular economy\***



**Transitioning to the circular economy will catalyze the most transformational economic, social and environmental changes since the First Industrial Revolution**

\*Adapted from EMF <https://www.ellenmacarthurfoundation.org/>

**Figure 2:**  
Addressing risks and opportunities



# HOW CAN COMPANIES GET STARTED?

Accenture identified five business models and three technologies that will help you implement the circular economy.

## FIVE BUSINESS MODELS:



**CIRCULAR SUPPLIES:** Use renewable energy and bio-based or fully recyclable inputs



**RESOURCE RECOVERY:** Recover useful resources out of materials, by-products or waste



**PRODUCT LIFE-EXTENSION:** Extend product lifecycles by repairing, upgrading and reselling, as well as through innovation and product design



**SHARING PLATFORM:** Connect product users to one another and encourage shared use, access or ownership to increase product use



**PRODUCTS AS A SERVICE:** Move away from product ownership and offer customers paid access to products, allowing companies to retain the benefits of circular resource productivity or ownership to increase product use

## THREE DISRUPTIVE TECHNOLOGIES:



**DIGITAL TECHNOLOGIES** such as Internet of Things (IoT), big data, blockchain, and RFID help companies track resources and monitor utilization and waste capacity



**PHYSICAL TECHNOLOGIES** such as 3D printing, robotics, energy storage and harvesting, modular design technology and nanotechnology help companies reduce production and material costs and reduce environmental impact



**BIOLOGICAL TECHNOLOGIES** such as bio-energy, bio-based materials, biocatalysis, hydroponics and aeroponics help companies move away from fossil-based energy sources