



REPUBLIC OF ESTONIA  
MINISTRY OF THE ENVIRONMENT

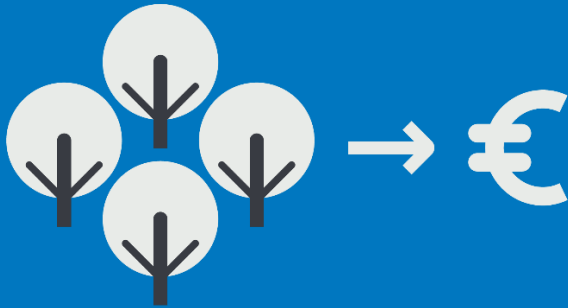
# Green and Innovation Procurement benefits

**Kaupo Heinma**

Ministry of the Environment / Head of Environmental  
Management Department

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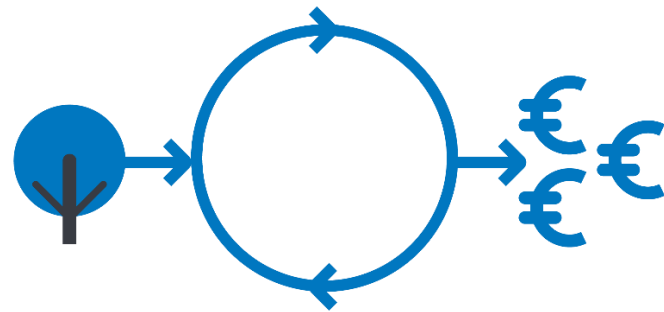
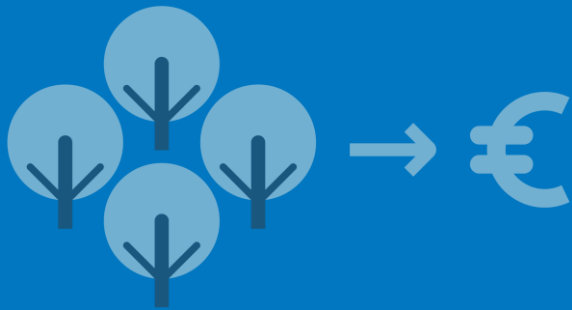
# Conventional production - business model of the linear econ



Needs consistent resources,  
energy and cash flow.

A lot of potential remains  
untapped.

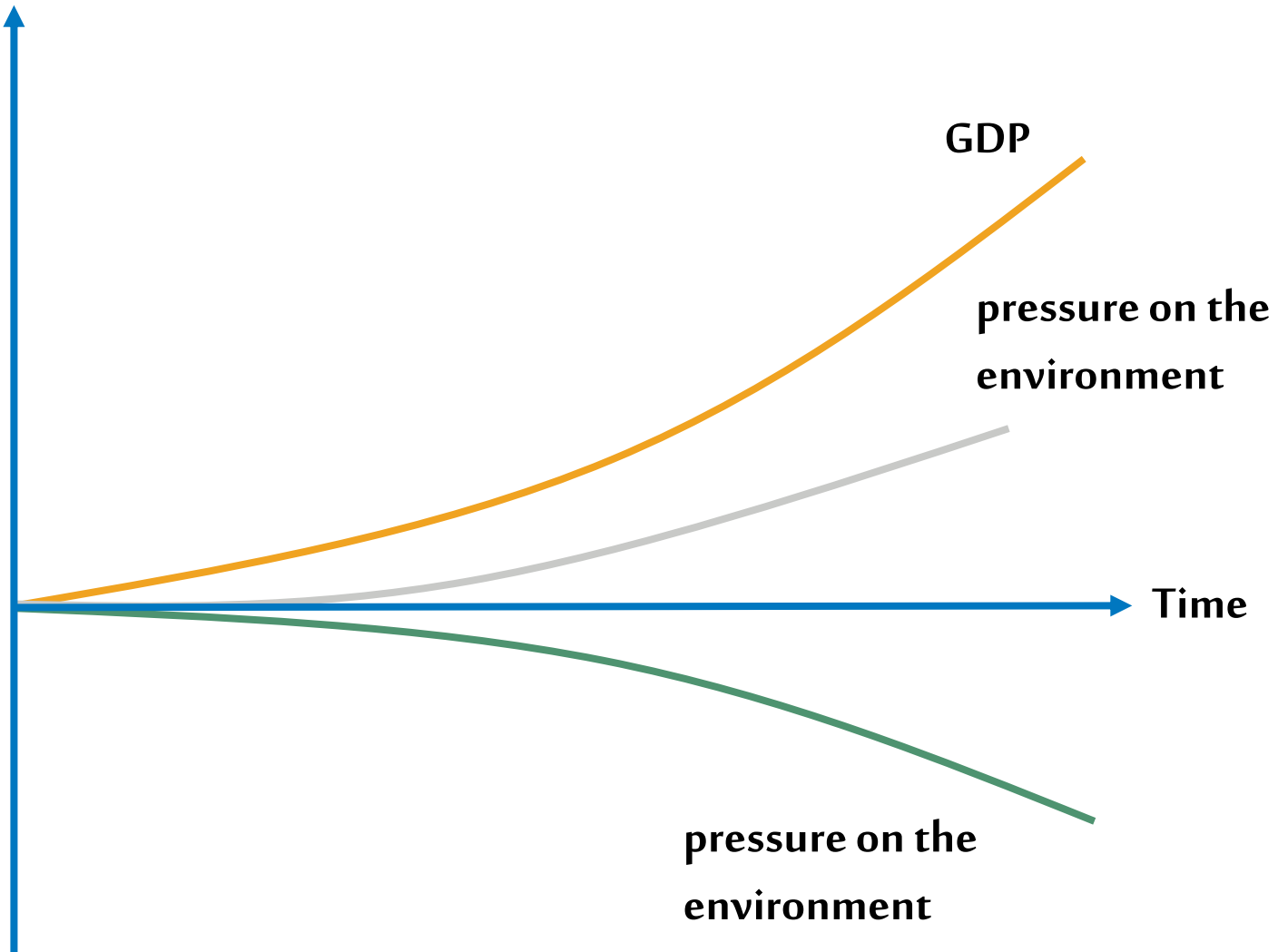
# Resource-efficient production business model of the circular economy



Involving less energy and resources outside, the same quantity or more products are produced.

More potential is being used.

# Economic growth and pressure on the environment



# Green, Circular and Innovation procurement benefits

- Political
- Economic
- Social/Health
- Environmental



# Main obstacles

- Value estimates, consumption models and current lowest-price practice;
- Procurement is often treated as a purely financial and administrative task and so is not aligned with broader policy objectives (e.g. health, environment, transport);
- Lack of practice and experience (not daring to add environmental criteria);
- Lack of leadership support;
- Lack of reliable and easily accessible information;
- Legal background (there would be a need for even harsher regulation through legislation);
- Fear of contest.

# Link between green and innovation procurement

- Green Public Procurement/ Circular Procurement can be Innovation procurement
- Innovation procurement can be also GPP/CP.
- Eco-innovation supports the placing on the market of environmentally friendly products and services.

# Estonian example (I)



**UPMADE:** Software that gives manufacturers a comprehensive and transparent look at all of their material flows.

New products can be created from production residues.

<http://www.upmade.org>



# Estonian example (II)



**GELATEX:** produces an environmentally friendly alternative to leather and imitation leather made from gelatine derived from the meat industry leftovers. Compared to real leather production, only a fraction of the water and energy is used.

<http://gela-tex.com/>

# Estonian example (III)



Environmental Technology of the Tallinn University of Technology School of Engineering: made a prototype of a smart road pavement what produces electricity from sunlight.

# Estonian example (IV)



**OKKASTYLE:** manufactures acoustic and decorative panels from pine tree leftovers from wood industry. Panels are handcrafted and only natural and environmentally friendly materials are used.

<http://okka.eu/>



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# Thank you!

**Kaupo Heinma**  
kaupo.heinma@envir.ee