

CIRCULAR ECONOMY: THE *NEW* NORMAL

Prof. Virginia Zhelyazkova, PhD

Vice-rector, VUZF University

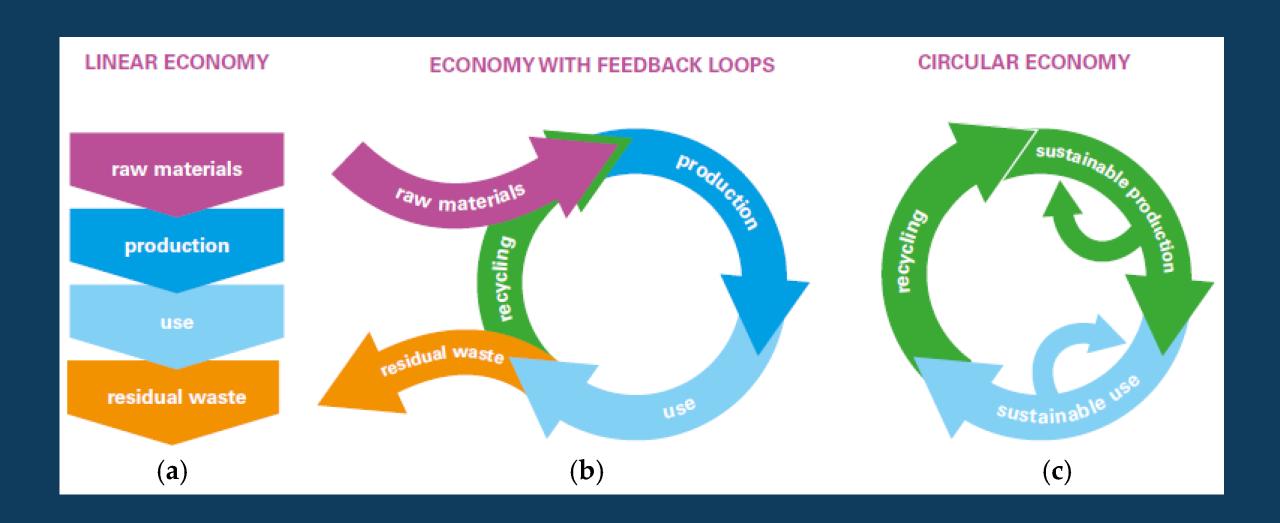
Director "Finance and Financial Management", VUZF Lab



What is circular economy?

- Economy which functions with minimal waste and harms the environment the least;
- Economy in which materials are endlessly reused instead of wasted, and thus resource efficiency is achieved;
- An economic model much more efficient than the current liner (take-make-dispose) model







The Circularity Gap

- A fully circular economy would both reduce global natural resource use by 28 percent and cut greenhouse gas emissions by 72 percent (UN Environment statistics)
- Our world is only 9.1 percent circular, leaving a mass "circularity gap". (Circle Economy)
- Funding gap has not been calculated to date, but definitely huge resources are needed for the transition



WUZFLab World's Leader in Circular Economy: Japan

- Japan recycles 98 per cent of its metals
- Just 5 per cent of Japan's waste ended up in the ground, compared to 48 per cent for the UK
- Japan's appliance recycling laws ensure that the great majority of electrical and electronic products are recycled, compared with 30-40 per cent in Europe
- Of these appliances, 74–89 per cent of the materials they contain are recovered. Many of these materials go back into the manufacture of the same type of product

Where is EU?

 In 2015, the European Commission adopted Circular Economy Action Plan

Key elements include:

- A common EU target for recycling 65% of municipal waste by 2035;
- A common EU target for recycling 70% of packaging waste by 2030;
- A binding landfill target to reduce landfill to maximum of 10% of municipal waste by 2035



Financing the transition to circular economy: What are the key challenges?

- Extended useful lives of goods, respectively of collaterals
 need to rethink credit policies and risk calculations;
- 1. Unknown rate of returns of investments (due to their new nature) higher perceived risk;
- Insufficient government support (guarantees, etc.) for loans to circular projects higher uncertainty;
- New risks and risk cycles products