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# Circular economy elements and priority wastes

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# 1. Introduction

- If we continue using the natural resources we used to, **we will need three planets the size of Earth by 2050**. The scares of raw materials and climate change impose a shift in our behaviour from a society that uses and throw to a carbon-neutral, environmentally sustainable, and waste-free economy.
- The development of a circular economy where the natural resources and end products are used for a long time and recycled will constrain carbon emissions, stimulate economic growth, and offer new job opportunities.



# Circular economy

- Definition

The circular economy is a model of the production and consumption of goods that restricts waste aggregation to a maximum and benefits the environment, economy, and us as a society.

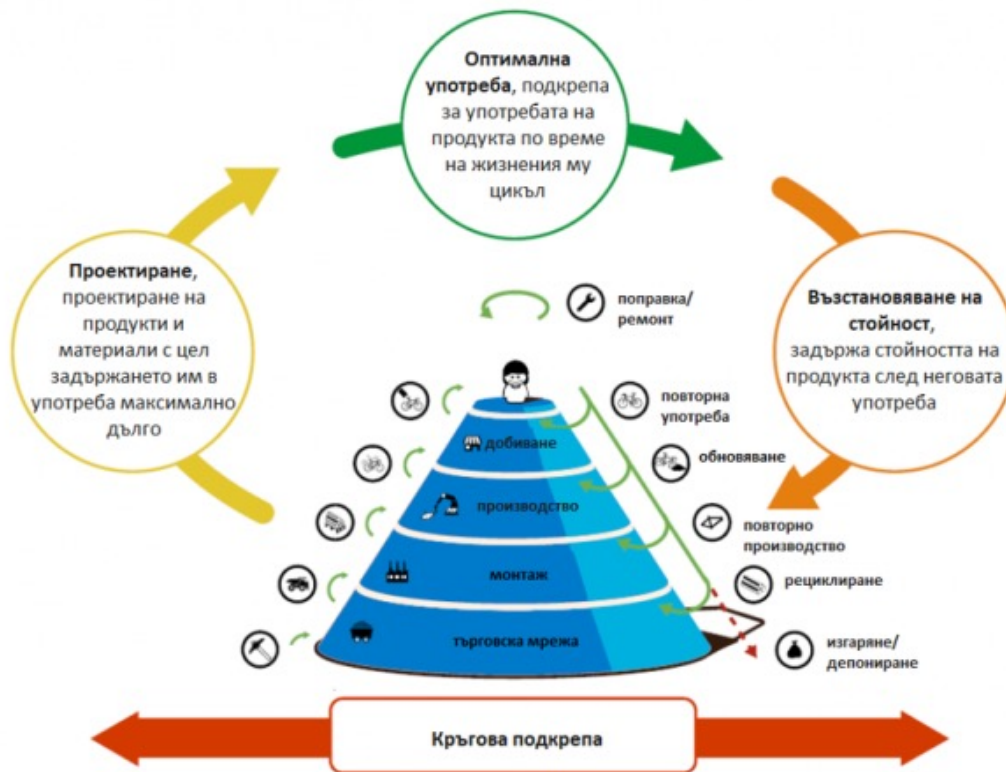


# Circular economy – what is it?

The circular economy is a model for the goods' life cycle extension. It means sharing, borrowing, reusing, repairing and recycling existing materials and products for as long as possible.

When a product reaches the end of its life cycle, the materials from which it is composed continue to be used for the manufacturing of other goods. This process is repeated over and over again to minimise waste disposal.

# Circular economy– what is it?



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# Circular economy concept

The circular economy conception is contrary to the traditional linear economy model where materials used for manufacturing goods end up in landfill after a short period of consumption. The traditional model rely on enormous quantities of cheap and easily accessible raw materials and energy sources.

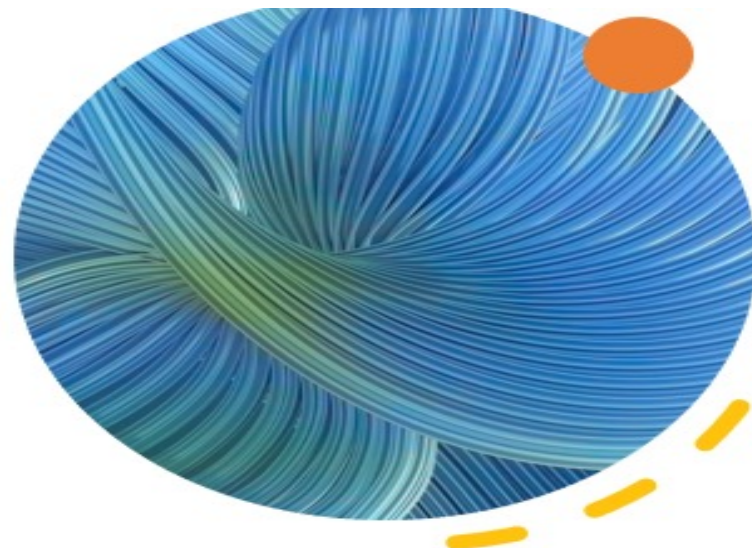
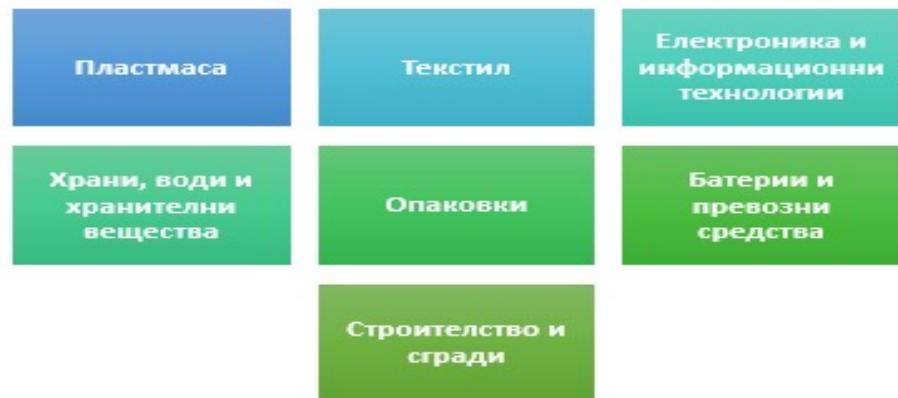


### 3. Circular economy elements



## 4. Circular economy priority wastes

The European Commission identified **seven critical economic sectors for implementing circular economy principles**. Changes in these sectors are needed in the separate stages from design and manufacture through their usage and end of the life cycle.



## 4. Circular economy priority wastes



# References

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