

# EXPLORING FUTURE VISIONS FOR THE CIRCULAR ECONOMY (CE) IN UKRAINE

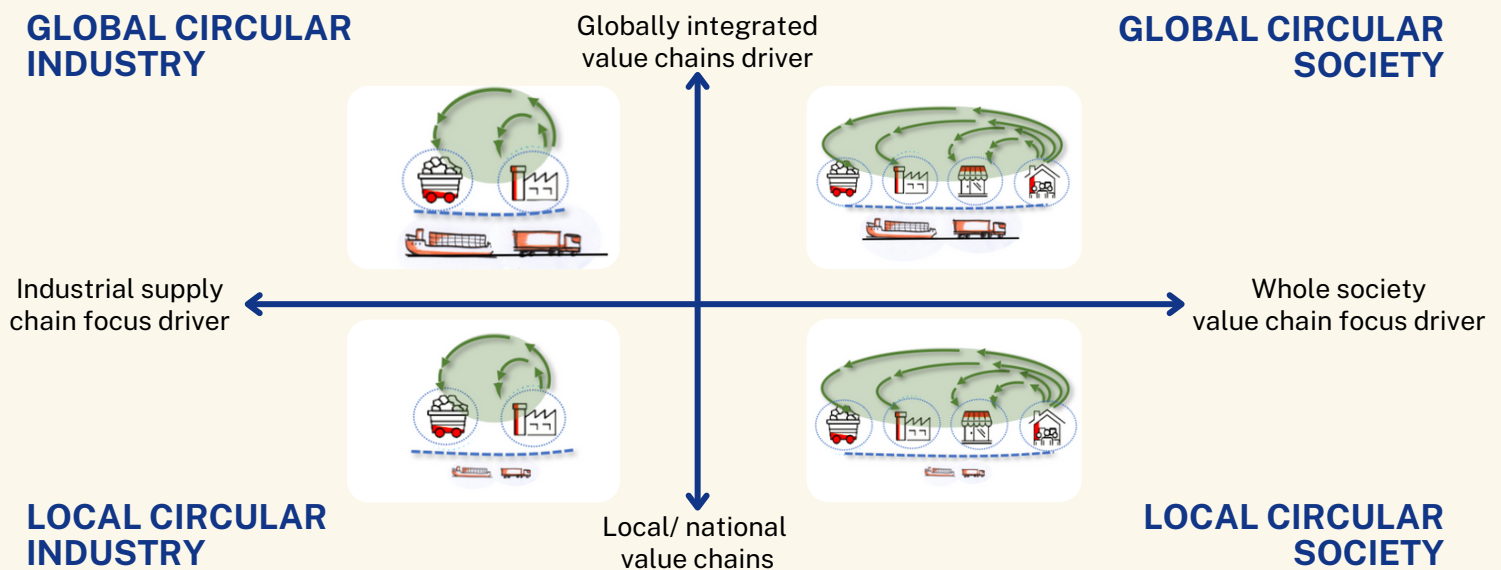
## WHAT IS CE AND WHY PERSUE IT?

A circular economy is all about using resources wisely, such as extending the lifespan of products instead of quickly discarding them. Practicing CE principles leads to environmental benefits such as reducing greenhouse gas emissions and improving waste and water management. It also enhances economic resilience and social well-being.

## ABOUT THE SURVEY

The survey seeks diverse insights to craft a shared vision of the future, based on various CE development scenarios in Ukraine.

### THE FOUR KEY SCENARIOS IDENTIFIED



**86% OF RESPONDENTS PREFER GLOBAL CIRCULAR SOCIETY AS UKRAINE'S VISION FOR THE NEXT TEN YEARS**

This scenario outlines a vision for Ukraine's green industrial recovery and complete adoption of CE development, involving all sectors of society and the entire value chain.

The full CE approach helps the country to align with the principles of using fewer materials, extending the lifespan of products, regenerating resources, and maximizing material reuse.

The government allocates significant resources to support circular economy initiatives, taking steps towards the adoption of the EU framework and global value chain integration.

## WHAT ARE KPVCS AND WHY DO WE NEED THEM?

Key Product Value Chains outline the sequence of activities involved in bringing a product from raw material sourcing to delivering a product to customers.

Identifying KPVCS and recognizing the key structural gaps and barriers helps establish goals and long-term visions, guiding potential pathways toward achieving them.

## SURVEY CONTEXT

The survey respondents assessed KPVCS according to the selected scenarios, and their potential to be transformed toward CE principles under that scenario. This assessment considers three time horizons: Present, in 5 years and in 10 years.

## THE IMPORTANCE OF KPVCS IN EACH SCENARIO CHANGES DEPENDING ON THE TIME HORIZON

For each time horizon, the KPVCS are indicated in their importance in descending order. Top 5 KPVCS for all three time horizons can be ordered as follows from the most critical to the least:

1. Plastic and packaging
2. Energy systems
3. Electronics and ICT
4. Construction and buildings
5. Food, water, and land



## THE FOUR KEY SCENARIOS BY TIME HORIZON

### LOCAL CIRCULAR INDUSTRY

1. Plastic, packaging
2. Electronics, ICT
3. Food, water, land
4. Waste management
5. Energy systems

TIME HORIZON 1  
(PRESENT - 5 YEARS)

### GLOBAL CIRCULAR INDUSTRY

1. Energy systems
2. Plastic, packaging
3. Electronics, ICT
4. Waste management
5. Household appliances

### LOCAL CIRCULAR SOCIETY

1. Plastic, packaging
2. Waste management
3. Energy systems
4. Construction, buildings
5. Food, water, land

TIME HORIZON 2  
(5 - 10 YEARS)

### GLOBAL CIRCULAR SOCIETY

1. Electronics, ICT
2. Plastic, packaging
3. Energy systems
4. Construction, buildings
5. Clothing, textiles

TIME HORIZON 3  
(10 - 25 YEARS)

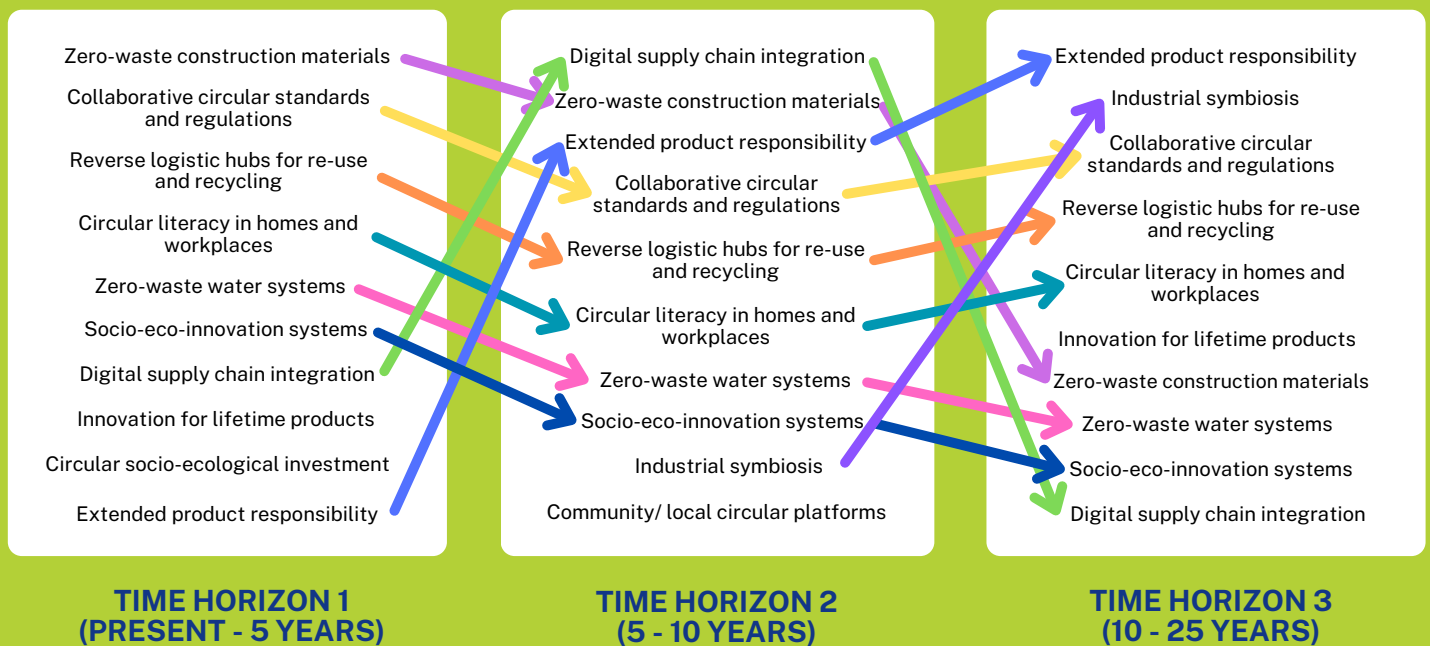
## WHAT ARE VALUE CHAIN ENABLERS?

Value chain enabler visions express the overall goals for each Key Product Value Chain (KPVC), alongside specific ideas for how to reach them. These plans are then outlined within social systems (like business, policy, and community) and technical systems (such as technology, industry, and infrastructure).



**THE ENABLERS  
ALSO CHANGE  
THEIR PRIORITY  
WITH TIME**

## 10 MOST IMPORTANT ENABLERS AND HOW THEIR PRIORITY ORDER CHANGES ACROSS THREE HORIZONS



## KEY INSIGHTS

*Extended producer responsibility* and *Industrial symbiosis* enablers gain importance over time and become the top two priorities in Horizon 3.

*Collaborative circular standards and regulations*, *Reverse logistic hubs for re-use and recycling*, and *Circular literacy in homes and workplaces* enablers always rate high in priority across all three Horizons.

*Zero waste construction materials* is a top enabler in Horizon 1, however, its importance significantly reduces towards Horizon 3. This happens in parallel to the emergence of socio-economic stability and the establishment of circular buildings and cities.

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