

## Workshop Overview



The first Workshop of the Social Experiment on Circular Economy (CE) in Construction and Buildings successfully took place on 13 October 2023.

The workshop was attended by all relevant stakeholders involved throughout the entire construction industry supply chain, from design to waste management, including Government and academia. In total, 22 participants took part.

The workshop focused on analysing the context of Cyprus's construction industry today and identifying why a transition to a circular model would be necessary. Furthermore, through an interactive process, the stakeholders seek to identify the major constraints and barriers holding the industry from efficiently transforming and transitioning.

The outcomes of this first workshop will serve as input to the second workshop, focusing on developing practical solutions, including new business models to kick-start the industry's circular transition.

**MAPPING  
CIRCULAR  
CONSTRUCTION  
WORKSHOP**  
CIRCULAR ECONOMY SOCIAL EXPERIMENT  
CONSTRUCTION AND BUILDINGS

13 OCTOBER 2023

08:30-09:00  
Registration

09:00-09:15  
Welcome and Introduction

09:15-10:15  
**Understanding** Circular Economy  
and **explore** Circularity in Construction and Buildings

10:15-11:00  
**PART A**  
(Working in groups)  
**Define** the sectoral perspectives of the circular transition challenge.

11:00-11:15  
Break

11:15-12:00  
**PART B**  
(Working in groups)  
**Identify** Constrains and Enablers  
**Ideating** and generate possible **solutions**.  
**Tweak original challenge statement**.

12:00-12:30  
**PART C**  
**Develop** the overall challenge through merging  
of the sectoral inputs.

12:30-13:00  
Discussion, closing remarks and next steps.

**THANK YOU!**

## Workshop Elements

The 1<sup>st</sup> Workshop on mapping circular construction in Cyprus included the following elements:

- **Pre-workshop questionnaire assessing:**
  - the level of understanding for CE,
  - the necessity for CE,
  - willingness to adapt, implement, collaborate, and contribute to CE,
  - Constraints and barriers,
  - Vision and expectations.

- Ice-breaking quiz to initiate the workshop using the mentimeter tool.





- **Group sessions using design thinking methodology to define:**
  - The problem
  - The challenge
  - Constraints and barriers
  - Possible solutions
  
- **Open Discussion and presentation of pre-workshop questionnaire results**

## Workshop Outputs

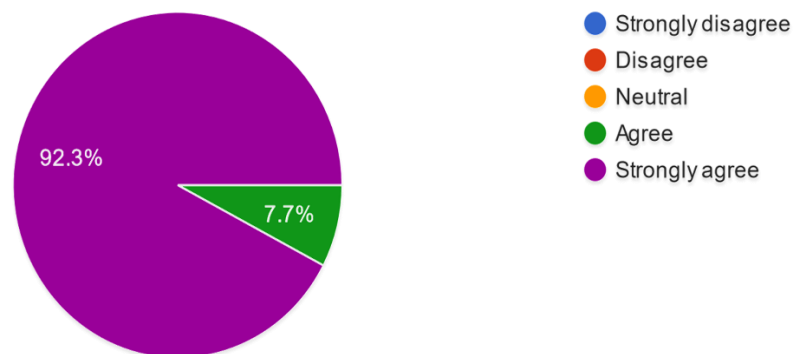
- **Pre-workshop Questionnaire**

The major outputs of the questionnaire were as follows:

- The majority of people who responded to the questionnaire assessed their level of understanding of CE as adequate and above. Also, they consider having a clear understanding of CE principles. Regenerate natural systems principles seem to be less clear than the other.
- Awareness is the most necessary level of training for the local construction and building industry to initiate its circular transition. Most responses indicate that Cyprus is not ready to proceed with the transition, although all are willing to implement circular practices.
- The reasons stakeholders consider most important for implementing CE include reducing environmental impact, expenses, and legal compliance.
- The majority of responses show that CE is not considered necessary by construction industry stakeholders, and it's difficult to envision a fast transition in the following years. Also, stakeholders do not foresee a successful transition in less than 5 years, with the majority not being able to anticipate the time or the time is more than 10 years.
- The survey shows that stakeholders perceive barriers and constraints blocking the implementation of circularity in construction but feel optimistic that the barriers can be overcome. The crucial factor in this is funding.
- Another important outcome of the survey is that a significant percentage considers collaboration among stakeholders not important, although the majority would be willing to collaborate.
- Finally, the major stakeholders considered to play an important role in the transition are the Government and the construction companies.

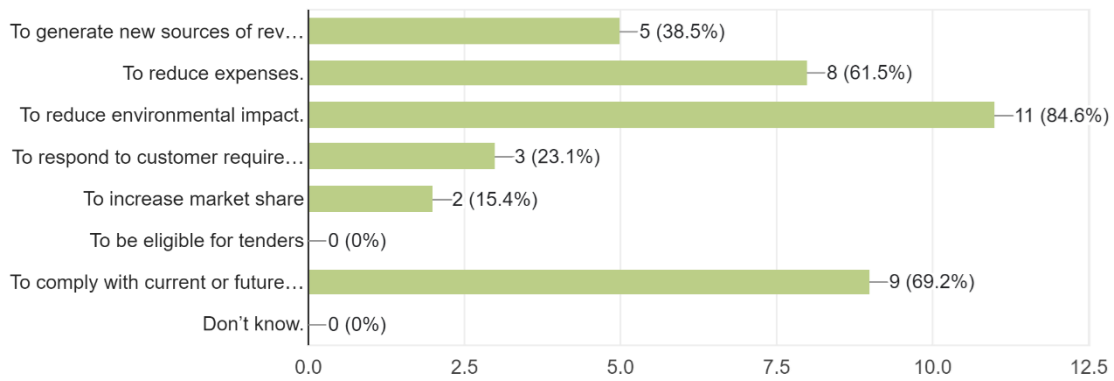
### 3.1 Do you agree that circular economy should be promoted in construction industry?

13 responses



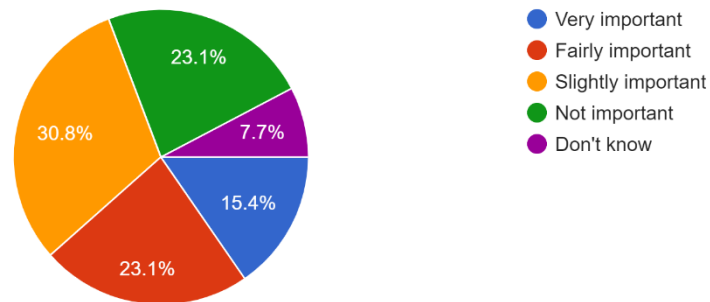
4.4 Which would be the most important reasons for implementing or promoting CE strategies?  
Select the three (3) most important reasons.

13 responses

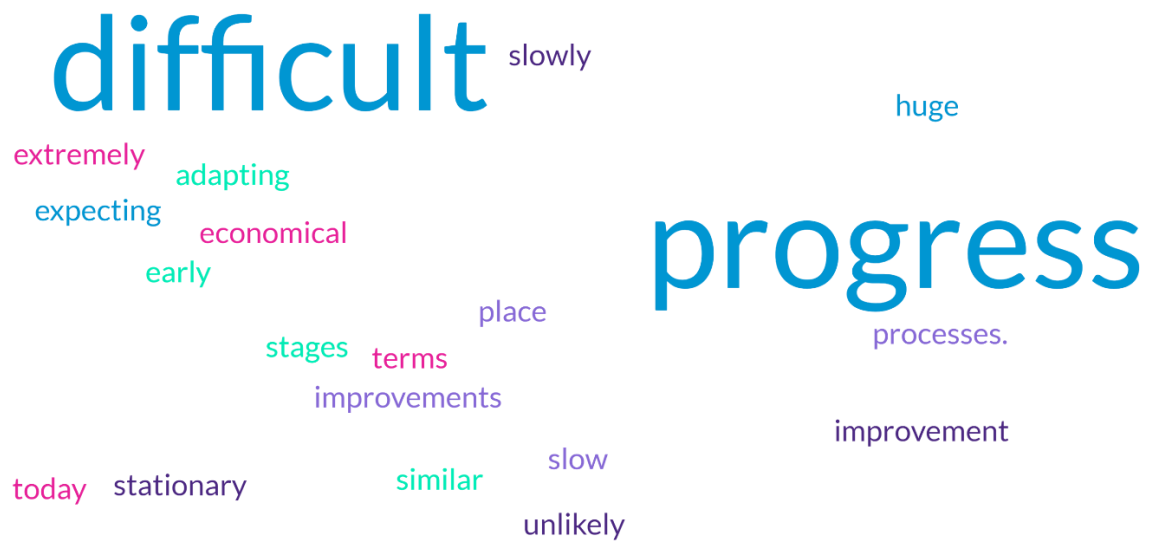


4.6 How important is circularity considered by stakeholders in construction and building industry supply chain?

13 responses



4.7 Where do you see the construction industry in relation to the circular economy in the next 5 years?



- Defining the challenge exercise – interactive session to define the following:
  - Defining the problem – Why do we need to transition to a circular model?

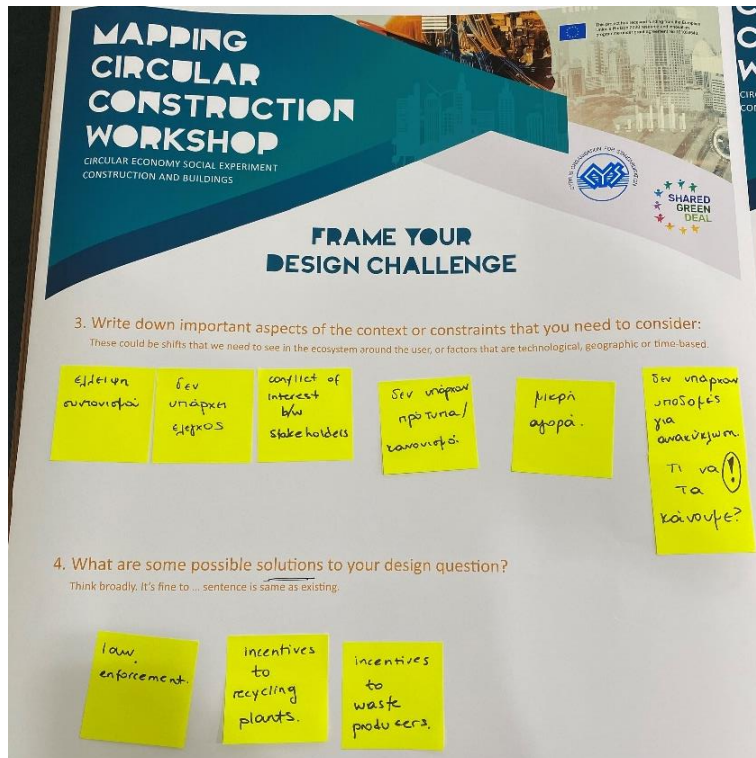
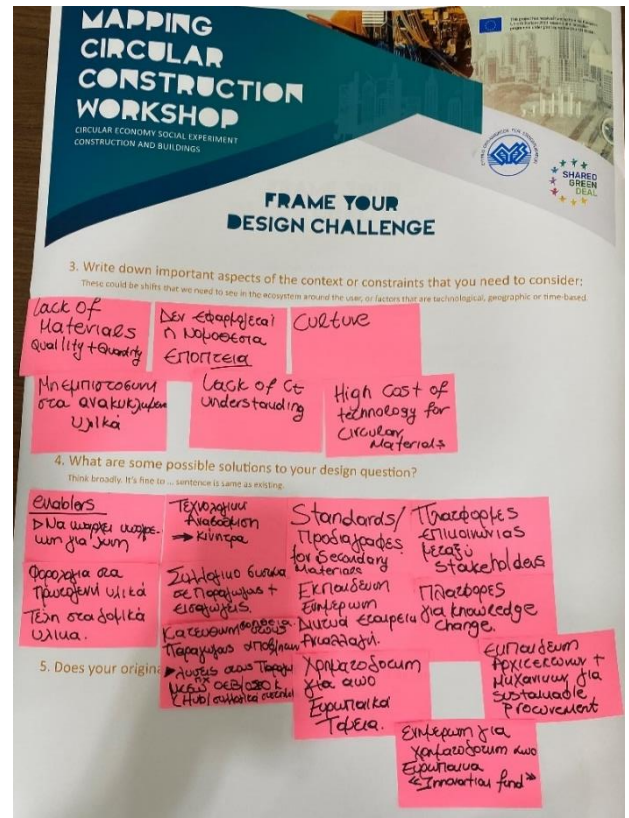
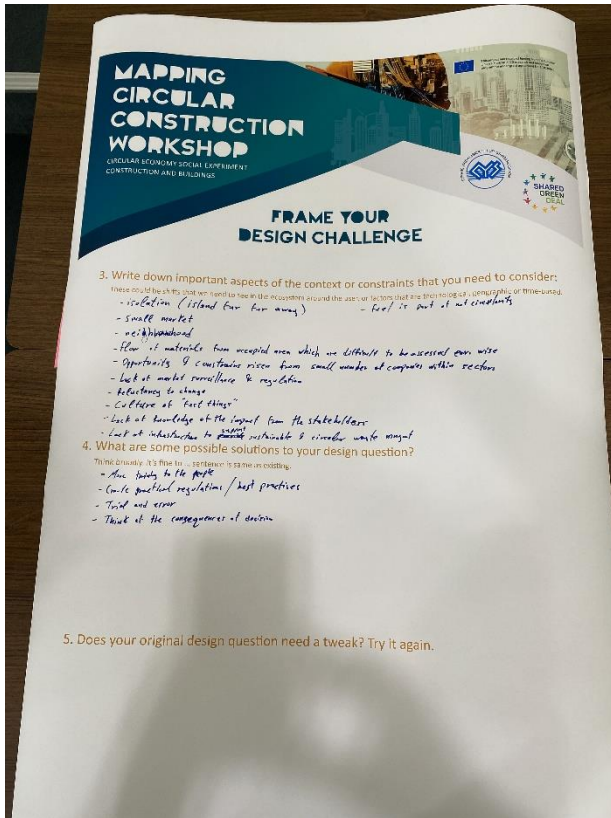












## Defining the overall challenge

- “Create a financially sustainable circular model for the operation of the entire construction industry supply chain. The model should be tailored for the specific conditions of the construction industry, considering the Cypriot market's constraints, being an isolated island system with cultural rigidities.”

