

# Circular technologies in construction

*Putting Science Into Standards*



**Quality assurance of reused and recycled  
material, and end-of-waste criteria**

# Quality assurance of reused and recycled material, and end-of-waste criteria



**Chair:** Gilli HOBBS, CEN/TC 350 SC 1



**Rapporteur:** Marco LAMPERTI, EC JRC



**slido.com**

**#PSIS2023**



Select the **Quality assurance of reused and recycled material, and end-of-waste criteria** room

# Slido question 1



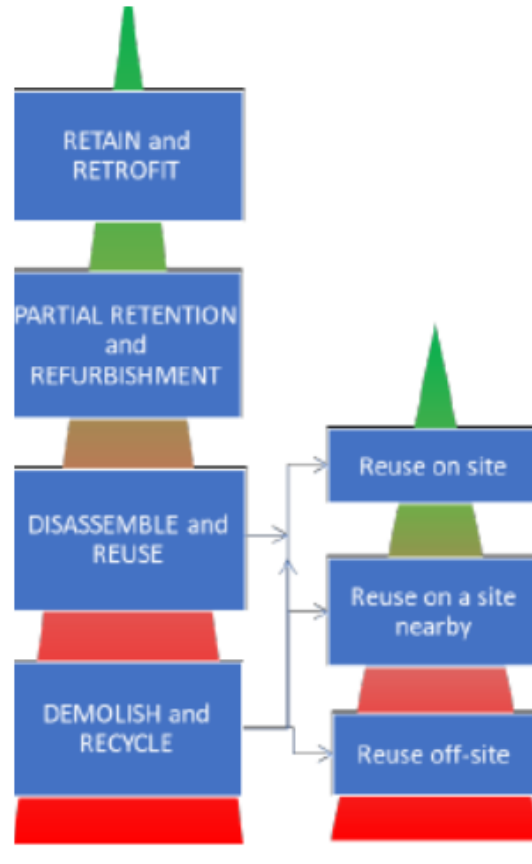
Which statement do you most agree with?

- ▶ We need more standards to support better reuse/reused content in the built environment
- ▶ We need more standards to support better recycling/ recycled content in the built environment
- ▶ We have the standards we need to support reused/recycled content in the built environment

# Reused vs Recycled QA scope

## Reuse/ reused

- 1) Reusing existing assets > refurbishment & pre-redevelopment assessment
  - 2) Reusing existing products/materials > pre-demolition assessment
- ▶ Making available for reuse (demolition/ third party reclamation)
  - ▶ Enabling markets for reuse (third party reclamation/ construction) > reused content
  - ▶ Direct site reuse > reused content



## Recycling/ recycled

- ▶ Making available for high quality recycling (demolition/construction / third party facilities)
- ▶ Closed loop recycling to increase recycled content in products (reprocessors/ manufacturers)
- ▶ Increasing recycled content in projects-products/materials (manufacturers/contractors specifiers)

End of waste criteria applicable to all..

# Slido question 2



Which statement do you most agree with?

- ▶ We have enough information/ data/ guidance to convert into standards for reuse/ reused content in the built environment
- ▶ We have enough information/ data/ guidance to convert into standards for recycling/recycled content in the built environment
- ▶ We need more research and development prior to standardisation for reuse/ reused content in the built environment
- ▶ We need more research and development prior to standardisation for recycling / recycled content in the built environment

# Slido question 3



Word cloud –

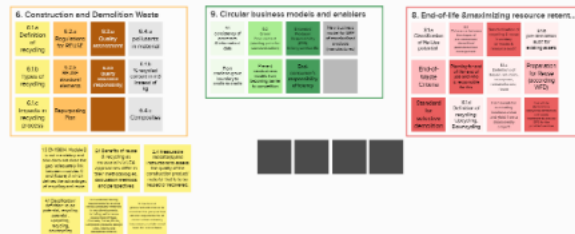
What are you missing in standards relating to Quality Assurance of reused and recycled material, and end-of-waste criteria'

# Overview of Canvas



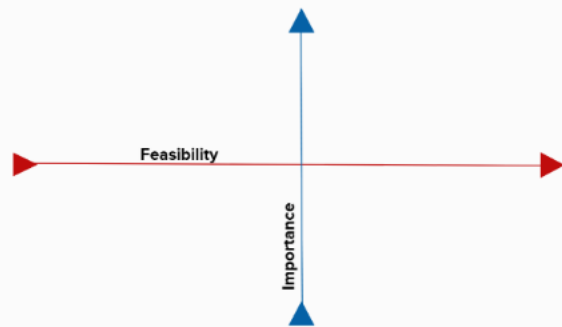
## 1. Currently identified gaps

Identify specific aspects which require standardization  
Identify standardization committees or working groups and existing standards



## 3. Prioritisation

Based on the feasibility and importance of standardization activities, identify priorities. Copy and paste previous sticky notes.



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Rapporteur: Marco Lamperti, European Commission

## 2. Mapping - categorisation

1. Definitions, terminology, classifications
2. End of waste criteria
3. Assessment, indicators, benchmarks
4. Data requirements, digitisation
5. Quality assurance, performance assessment
6. Selective demolition, pre-development audits
7. Procurement/ sustainable investment criteria and/or processes



# Slido question 4



- ▶ **Reuse:** Please rate the importance of each item (most important first) from perspective of standardisation
- ▶ 7 options to **rank:**
  1. Definitions, terminology, classifications
  2. End of waste criteria
  3. Assessment, indicators, benchmarks
  4. Data requirements, digitisation
  5. Quality assurance, performance assessment
  6. Selective demolition, pre-development audits
  7. Procurement/ sustainable investment criteria and/or processes



# Slido question 4



▶ **Recycle:** Please rate the importance of each item (most important first). from perspective of standardisation

▶ 7 options to **rank:**

1. Definitions, terminology, classifications
2. End of waste criteria
3. Assessment, indicators, benchmarks
4. Data requirements, digitisation
5. Quality assurance, performance assessment
6. Selective demolition, pre-development audits
7. Procurement/ sustainable investment criteria and/or processes