#EUCircularTalks

Towards a circular European Infrastructure

Rijkswaterstaat
Ministerie van Infrastructuur en Waterstaat

Welcome all! Before we start:

- This presentation will be recorded
- Please mute your microphones
- Use the chat function for comments or questions during the presentation, we have some time for questions afterwards
- We invite you to think of what you need from European standards, see text box > > > > > > > and share your views in the chat :)

European standards, for example:

1. Do we need to make agreements at European level on material passports?
2. If so, which particular subjects?
3. Do we need to measure circularity performance in the same way across Europe?
4. If so which indicator do we need to measure most?
5. Which technical aspect is most important when it comes to determining next life cycle performance of construction products?

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CEN TC 350 SC1

Why standardization of circular construction is decisively important and what you can do to help

Boukje van Reijn, Evert Schut
Rijkswaterstaat, Netherlands

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Why is standardization important for circular construction?

- The CPR: Construction Products Regulation
  - CE marking: product requirements in harmonized standards
  - Goal: free trade of products across EU borders
- How does it work?
  - Committees, generally per product group
  - Consensus as basic principle
  - Member states decide
  - Other stakeholders are involved in working groups
- Relevance for circular construction (e.g.):
  - (Mandatory) use of CE product certificates (e.g. recycled content, requirements for next life cycles)
  - Agreement on how to measure and assess circularity (for the whole life cycle including procurement.)
  - Circular data formats and basic requirements

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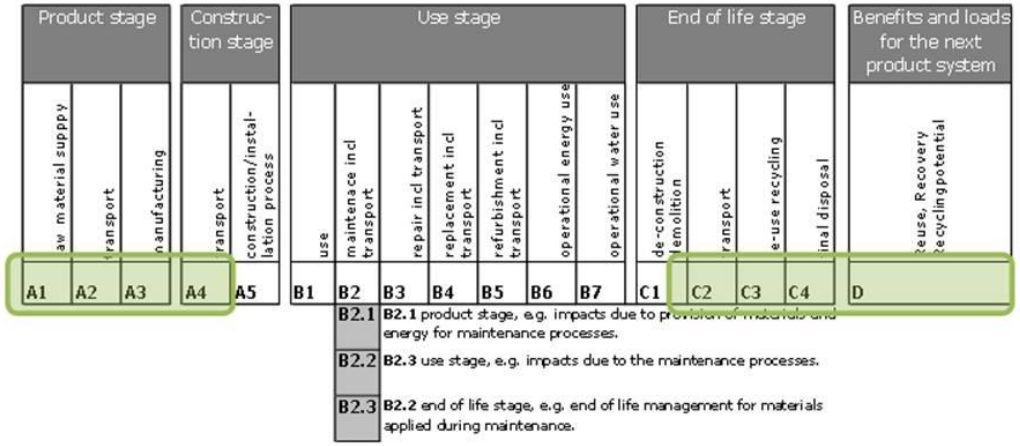
CEN TC 350, Sustainability of construction works

- Existing CEN committee
- Both buildings and infrastructure
- Product- and construction level
- Basic LCA requirements for Environmental Product Declarations in construction (EN 15804)
- Used in the Netherlands as the legal basis for all construction LCA's



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CEN TC 350 / SC1 Circular construction

- How it came about
  - Initiative Denmark for new committee
  - Because of relevance for TC 350 it became a sub committee (SC1)
- 1st meeting (last week!): > 90 participants from 13 countries
- Scope:
  - Circular principles and guidelines
  - Tools and processes
  - From design to deconstruction, in current and subsequent life cycles
  - New and existing construction works including infrastructure
  - Products, materials and components
  - Technical, environmental, economic and social aspects
  - Considering CEN TC 350 and others CEN committees,
    ISO TC 323 and EU initiatives

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CEN TC 350 / SC1
Highlights of the working program and prominent discussions

- An ‘ad hoc group’ is preparing a working program on the basis of:
  - The scope
  - Definition, goals and ambitions as starting point
  - Subjects to be included:
    - Circular design
    - Product requirements
      - Performance of reused products and materials from existing constructions
      - Next life cycle performance requirements
    - Measuring and assessing circularity
    - Circular data, material-/ building-/ construction passports
- Decision on working program in August.

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What's happening in the Netherlands with regards to standardization:

- NEN/ CB'23: pre-standard 'guides' for framework and definitions, measuring circularity and material passports (English translations available)
  - Link CB'23
- CROW: technical and environmental requirements for secondary resources in concrete *for next life cycles*.
- NEN standard for reuse of steel elements

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How can you contribute?

- By taking part in your national ‘shadow committee’ for TC 350 at your national Standardization organisation
- Perhaps as a delegate representing your country in TC 350/ SC1 or as a specialist in one of the working groups?
- Influence at policy level?

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What would you *like to contribute?*

For example:

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