Deep Dive Parallel Sessions

Transforming infrastructure and urban development districts through procurement

conference.procuraplus.org  #Procura2024
Background and context

- Maximize resource savings, minimize environmental risk
- Under 10 years of raw materials left!
Tender – City Hall Grounds

- Project development agreement with right of first refusal
- Any sustainable criteria must be approved
- Ambitious project partner :)
- Higher fines if criteria not fulfilled!
Tendering criteria

- 1) Resource mapping and selective demolition
- 2) 5% recycled or 10 reused components in communal building
- 3) Soil balance management plan
New City Hall

• Demolition of apartment blocks earmarked concrete for us
• Idea of recycled concrete accepted very late in process
• Not a part of tendering material!
• Added afterwards at a meeting with the pre-qualified bidders
• Winning bidder took it into account
New City Hall

- Result: 1088 tons crushed concrete as aggregate in the foundation
- 40 tons CO2 saved (reduced transport of soil and aggregate)
- First large public building in Denmark with a recycled concrete foundation
What can you do?

What can you do?

www.cityloops.eu

Recycling_concrete_-_Instrument_Roskilde_-_CO2_calculator.xlsx (live.com)

Can be included in tender as evaluation parameter

The most sustainable building is one you do not need to build

• Start by examining needs/question

• Use what you have, maintain, renovate

Transform rather than demolish and build!
What can you do? What worked for us?

• Dialogue and cooperation (across projects as well)
• It’s never too late
• Be ambitious in tendering material – make ambition a parameter
• Be curious about each other’s challenges, support where possible
• Clear, unambiguous responsibilities between actors
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