

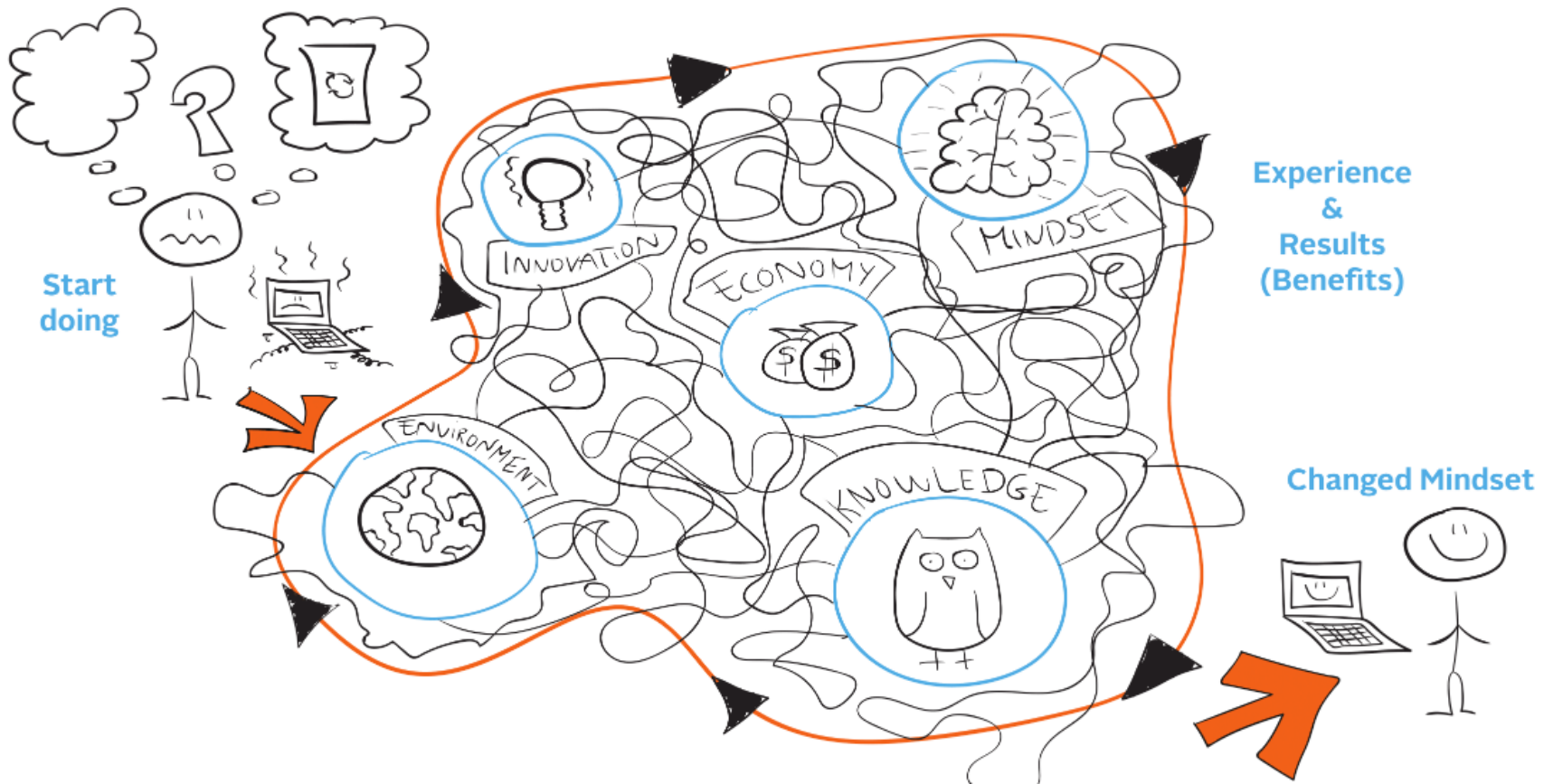
Circular PP

Main findings and lessons City of Aalborg's pilots Circular playground Lifetime extension of ICT-equipment



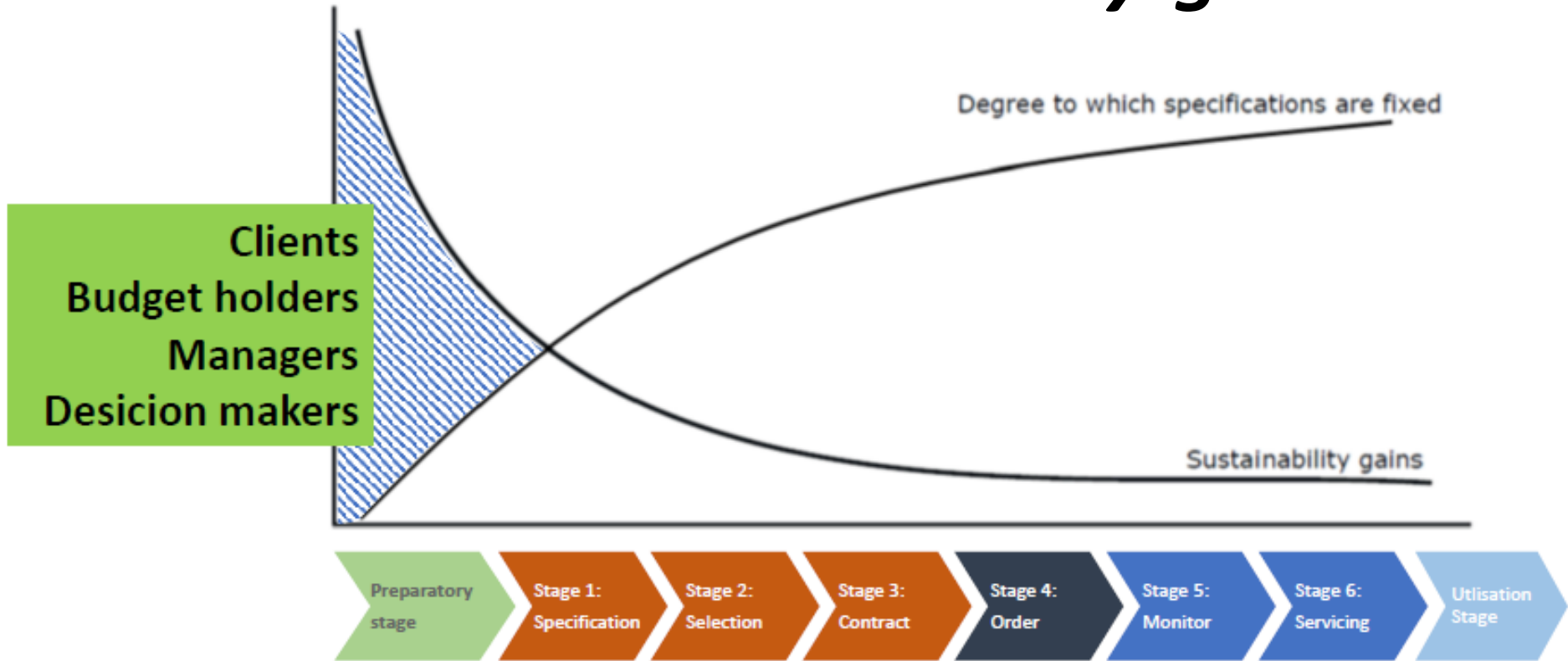
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The road to circular tender is not straight forward – it takes time



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In the pre-procurement face you get the most sustainability gain



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Kick off seminar
130 participants
SME's and city's
Circular procurement
Circular business models
2 pilots (ICT and Playgrounds)

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Kick off Strategic workshop

30 participants

Internal experts and purchaser

Circular procurement

Circular business models

Workshop: ICT and Playgrounds

Set the right teams

For each pilots:

Steering committee (decisionmakers)

Working group (experts)

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Circular playground Stigsborg



Age group 0 – 15 years

School with 1000 students (6 – 15 year)

Nursery 60 children (0 – 3 year)

Kindergarten 100 children (3 – 6 year)

25 % of teaching have to be outdoor

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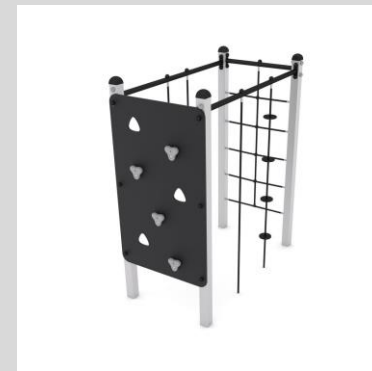
Ideas for a circular tender

Landscape modelling - surface

Planting

Learning

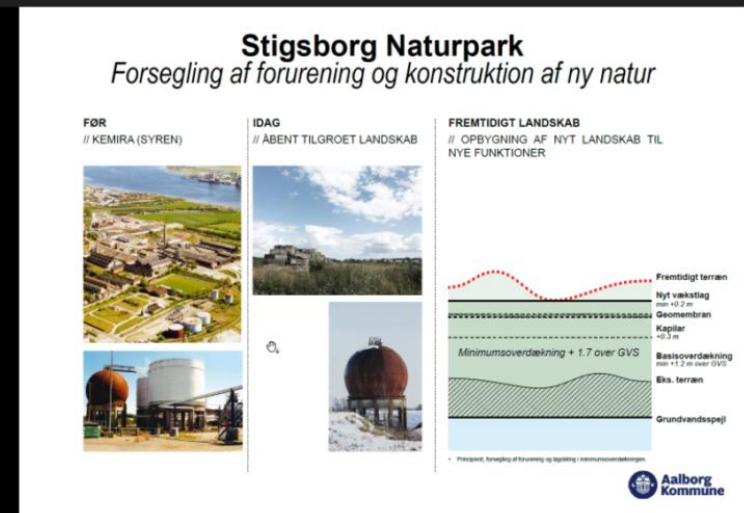
Playground equipment



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Marked involvement - Playground

- February 2020 Playground fair with the participation of 15 different suppliers
- April 2020 webinar Circular Playgrounds - why and how – 74 participants



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Award criteria

Award criteria	Weighting in percent
Landscape Modeling	30
Circular economy <ul style="list-style-type: none">- <u>"Lifetime" (weight: 30%)</u>- <u>"Maintenance" (weight: 25%)</u>- <u>"Recycled materials and recycled materials in to new products" (25%)</u>- <u>"Maintenance" (10%)</u>- <u>"Material recycling" (10%)</u>	30
Learning	20
Economy	20

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Circular playground

- **Stigsborg** – total enterprise
 - New sustainable school building
 - New park
 - Circular playground
 - etc.
- Future playground in City of Aalborg
- Guidance for circular playground
on www.circularpp.eu when finish

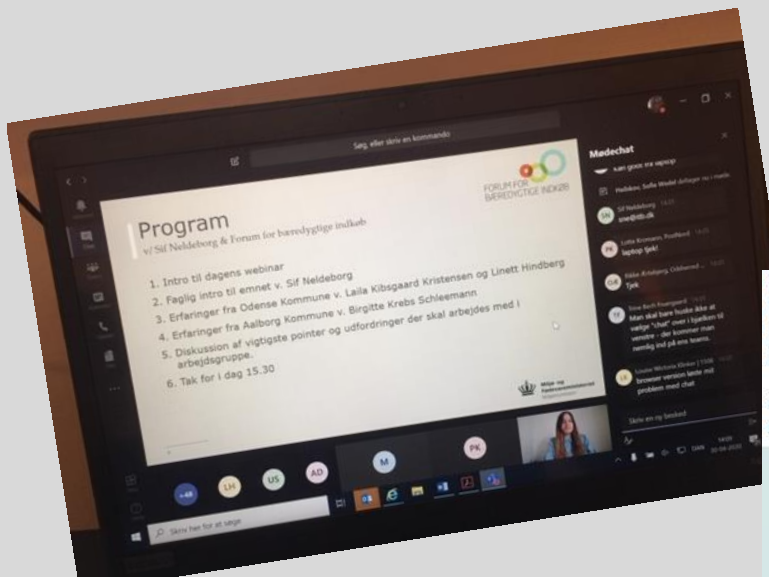
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Lifetime extension of ICT-equipment

- a circular procurement pilot

A journey to circular procurement

– the unexpected outcomes of Aalborg's circular ICT pilot



Circular Computing, Katarina Magnusson and Erik Pettersson from Inrego AB, Ulrika Svallingson from Malmö stad, Birgitte Krebs Schlieemann from Aalborg Kommune, Joan Prummel from the Dutch Rijkswaterstaat, Siddharth Prakash from the German Oeko-Institut e.V., Madeleine Bergraham from HP, Tom Moriarty from Dell and Thomas Hedin from Lenovo.

Join me in this webinar to learn more!
[#circularity](#) [#purchasing](#) [#TCOCertified](#)

[Se oversættelse](#)

REPORT
**IMPACTS AND
INSIGHTS**
Circular IT Management
in Practice



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Problems regarding ICT

- ICT contains 'bloodminerals' extracted in Africa through child labor
- ICT is produced under poor working conditions in Asia
- ICT-equipment quickly becomes outdated
- Difficult to repair (glued together)
- Problematic waste management in developing countries



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Situation when started (2018)

We buy new equipment on SKI-agreement – national agreement, bound until 2022

”No” agreements on our used ICT (except for PC’s, where 3 out of 7 department had agreements)

No former collaboration regarding tenders between the ICT-departments

ICT etc. represents approximately 2,5 % of the total purchasing of a municipality.



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The environmental effects - Aalborg-case – laptops

If we extend the lifetime of a laptop with 3 years (even if it isn't within City of Aalborg), and the result is non-production of a new laptop, we save:

Rough estimates:

CO₂ – the emissions of the municipality's administrative buildings (heating and electric) or 40 cars in their lifetime.

Waste - the production of 3.000 households' waste-production

Water - the amount of 11.000 individuals' annual consumption

And then add all the other ICT-equipment

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Logo-policy

Rough estimates:

It costs to get a logo engraved on every single laptops

At re-sale, the value of every laptops drops to nearly nothing

The LOGO costs a lot of money

- Last year there were stolen approximately 1 PC in Aalborg Municipality

Political process on changing the logo-politics and from the 1th of May 2020 the logo is now stickers and DNA



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The Market

1:1 dialogue with the 4 suppliers individuals, that we collaborate with, on drafting criteria's and Meet the Buyers event with 52 participants (18 dif. Businesses)

Agreement for all equipment: laptops, phones, screens, storage, tablets, wires etc.

The drafts on criteria's are:

Circular Economy

- *Direct reuse*
- *Reparation*
- *Upgrading*
- *Spare parts*
- *Materials re-circling*

Sustainable Production

- Evaluation of CE*
- Traceability*
- Transport*
- Packing*
- Employees on special terms*

And other like data deletion, anonymization etc.

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Spinoff

- **LOGO – now Stickers and DNA-label**
- **“Agreement” for used ICT equipment – working on a agreement with CE etc.**
- The ICT-group wants to use the criteria for further tenders og purchasing
- Trade off – the ICT-departments doesn't want to do deals with that anymore
- Testing the purchase of used laptop's or to keep them for 5-6 years instead of 3 -4 years
- Energy-consumption: Screens, docking stations etc.
- Started an analyzing of ICT in City of Aalborg
- Leasing?
- What laptops should we buy on SKI-agreement, in order to buy the most CE, sustainable...
- The next national tender?



Thank you for the attention

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www.circularPP.eu

<https://sustaineurope.com/a-journey-to-circular-procurement---the-unexpected-outcomes-of-aalborgs-circular-ict-pilot-20200428.html>

<https://tcocertified.com/impacts-and-insights/>

