



CEDaCI
Circular Economy for Data Centre Industry
Working Group Meeting
Minutes

Date: 08th May 2020

Address: Virtual

CEDaCI - Working Group 2 - NL

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Working Group Country:

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Working Group NL	<input checked="" type="checkbox"/>
Working Group UK	<input type="checkbox"/>



The list of participants:

No	First Name	Last Name	Organisation	Abbreviation
1	Arjen	Workum	Aliter Networks	AW
2	Esther	van Bergen	CENEX Netherland	EvB
3	Frank	Hartkamp	RVO	FH
4	Jan	Hoogstrate	FreeICT Europe Foundation	JH
5	Julie	Chenadec	Green IT Amsterdam	JC
6	Lisa	Berendse	EMX Core	LB
7	Katrin	Bienge	Wuppertal Institut	KB
8	Martijn	van der Veer	SIMS Metal Management	MvdV
9	Nil	Atmaca	LSBU	NA
10	Rob	Lips	7Digits	RL
11	Robbert	Hoeffnagel	Green IT Amsterdam	RH
12	Ronald	Scherpenisse	Influsense	RS
13	Twan	van Leeuwen	PNO Consultant	TvL

Agenda Items:

13:00 Welcome and introduction, meeting arrangements

Round of introduction (name, organisation)

13:10 Review of co-creation workshop output + Q&A

Decision-Making Tool matters + Q&A

14:00 Short break

14:10 Review Situational Analysis Report

14:40 Any other matters including surveys and future meeting dates

15:00 Meeting close



Welcome

JC welcomed the participants to the 2nd WG meeting in Netherlands.

All participants introduced themselves.

- Julie Chenadec - **Green IT Amsterdam**, Research and main Dutch partner
- Martijn van der Veer - **Sims Recycling Solutions**, IT trade manager, data destruction, analysis
- Arjen Workum - **Aliter Networks**, Refurbishment and lifecycle in networking environment
- Katrin Bienge - **Wuppertal Institut**, Research in the project and DMT
- Robbert Hoeffnagel - **Green IT Amsterdam**, Research and main dutch partner
- Lisa Berendse – **Emxcore**, Refurbishing routers switches
- Rob Lips - **7digits**, Refurbisher datacenter equipment
- Nil Atmaca – **London South Bank University**, Project Manager CEDaCI project
- Esther van Bergen – **Cenex Nederland** (ex. Green IT Amsterdam), Energy, Sustainability & digital infrastructure
- Jan Hoogstrate – **Free ICT Europe Foundation**, 3rd party maintenance ex IBM Key focus in Brussels for the legislative processes
- Ronald Scherpenisse – **Influsense**, Creating new companies, interested in the sustainable environmental aspect
- Twan van Leeuwen - **PNO consultants**, Research on waste streams (electronic)
- Frank Hartkamp - **Rijksdienst voor Ondernemend Nederland (RVO)**, Senior adviseur ICT

JC shortly introduced the CEDaCI project to new WG members (aim, WG aim, podcasts, surveys).

JC presented the agenda of the WG meeting.

Review of Co-Creation Workshops

KB presented UK and NL results of Co-Creation workshops.

Q&A based on results

RS:

- Awareness, training, education are missing and are important to include

NA & KB: Main part of the project is to have interactive education on the DMT and key findings will be made possible to provide comparisons and guiding principles. Key findings will be made publicly available as knowledge base for CEDaCI community



- Expert and non-expert should be covered in the concept
- Proposal vs. Co-Creation? Marketplace is new and emerge from WG

EvB:

- Although in the WG, the social aspect seemed not that important to the participants, EvB thinks that for the project this will still be high on the list, but might be more interesting to ex universities and research in tracing the sources of the produced equipment and redesign.
- Important to consider material sourcing (engaging government - procurement)

Decision Making Tool matters

KB presented slides.

➔ New name for DMT: CDCC - Circular Data Centre Compass

Feedback:

- Look & feel very good, ease of use is good (user interface); good road to be on
- Useful output for different stakeholders? Type of output for different target groups? Different roles addressed? If the outcomes come from different stakeholders, it can make it complicated to comprehend the usage with information coming out of the tool
- Develop basis (as now) and extend later; it should be as simple as possible
- If tool is too extended, no usage
- Closing "C" is nice
- Guiding towards next steps missing
- What about colour blind people?

Collect feedback from DCI already now! Test faster & Change faster!

Provide more feedback afterwards @KB

- Want to buy servers with parameters
- Want to dispose my servers with parameters

Situational analysis

JC presented slides in the Situational Analysis Report.

Q1: LCIA results: scenario 2 and 3: showing different ages; What if analysis looks on server from 2012 vs. 2015? Might get a different outcome.

A: Characterisation work on-going (Pilot C): comparing servers that are closer in ages. Results will be shared.

Q2: expected to be better (newer one). Maybe ask manufacturer for younger equipment?



A: Ask Dell: Luise Koch in Delft - Sustainability Manager Dell. [MvdV could provide contact.](#)

Any other matters including surveys and future meeting dates

JC provides links to on-going surveys aiming at more insights:

→ [PCB manufacturer](#), [OEM](#), and [Refurbishment](#)

Please forward. LB will add info in newsletter. JC will contact Lisa on Monday (introduction text, picture).

Future meeting day:

- 3rd WG meeting: 7.7.
- 4th WG meeting: 7.12.
- 2nd Co-Creation workshop: 6.10.

Julie will add dates of the other WGs and Co-Creation workshop.

Actually we planned a joint approach with events in autumn, but we will see if this will be possible.

Action Items:

- 1- What Input from users is needed for the DMT? (refresh, recycle or extend based on configs)

List of acronyms

CDCC	Circular Data Centre Compass
DCI	Data Centre Industry
DMT	Decision-Making Tool
WG	Working Group