

MINUTES OF THE SECOND FRENCH CEDaCI WORKING GROUP 17th SEPTEMBER 2020

Date: 17/09/2020	Where: Zoom meeting (virtual)
Start time: 10h30	End time: 12h30

Object: 2nd French working group of the CEDaCI project – First demonstration of the “Compass” tool

Organisers: WeLOOP and TEAM2

Presents:		Excused:
Naeem ADIBI	Antoine GARANDEAU	Hervé CRESPI
Carolina SZABLEWSKI	Christian TRAISNEL	David FRANQUESA
Gwendoline STECHELE	Clément MARQUET	Sophie PRUVOST
Soline PEREIRA	Etienne LEES-PERASSO	Georges OUFFOUE
Bahattin BADEMCI	Julia BASIN	Joris VAN MOL
Christian THOMAS	Julie CHENADEC	Valérie EL OUAFI
Nil ATMACA	Kurt VAN DER HERTEN	
Victor CARPENTIER	Nicolas SAINTHERANT	
Michel RAMEZ	Yves GRANDMONTAGNE	

This document presents a summary of the working group discussions for the CEDaCI project – Circular Economy for the Data Centre Industry.

Summary

1 – Presentations	2
1.1 – Introduction to the CEDaCI project	2
1.2 - Introduction to new partners of the project	2
1.3 – First demonstration of the decision-making tool - (Circular Data Centre Compass).....	2
1.4 – Introduction to the “Compass” indicators and planning.....	3
2 – Poll and discussions	3
2.1 – Results of the poll.....	3
2.2 – Discussions about the decision-making tool	4
3 – Coming dates	4

1 – Presentations

1.1 – Introduction to the CEDaCI project

Dr Carolina Szablewski gave this presentation. The following topics were introduced:

- The context and the growth of the Data Centers industry in Europe.
- The goals of the CEDaCI project: increase the recycling rates, an increase in the equipment's service life for their reuse and the promotion of the eco-design.
- The partners of the project,
- The main steps of the project,
- A reminder of the upcoming CEDaCI events:
 - ➔ **The UK Transnational Workshop on the 15th of October,**
 - ➔ **The next transnational co-creation session about recycling, the 19th of November from 10:00 am to 12:30.**

1.2 - Introduction to new partners

Christian TRAISNEL and Michel RAMEZ (TEAM2) introduced the new partners of the project and the potential future cooperations. They informed the participants about the growing interest of regional actors for the CEDaCI project (particularly the Hauts-de-France region). The CEDaCI partners are in contact with the European Commission, interested in following the project's progress and results.

Discussion topics about the partners and collaborations
<ul style="list-style-type: none"> TEAM2 is preparing an application for a project to redesign and replace single-use plastic packaging of the electronic equipment along the value chain. The project is open to interested participants.
<ul style="list-style-type: none"> The discussion to develop a list of communication topics to be communicated as there are numerous stakeholders interested in the project. Check if there are individual actors interested in interacting or contributing.
<ul style="list-style-type: none"> The call for projects « resilience » was mentioned dealing with the recycling of the PCBs (printed circuit boards) and with the criticality of metals: a joint application to be developed.

1.3 – First demonstration of the decision-making tool - (Circular Data Centre Compass)

Bahattin BADEMCI presented the tool. This event was the first public presentation of the decision-making tool. The decision-making tool is called CDCC (Circular Data Centre Compass).

The tool aims to help and guide the manufacturers/users/stakeholders in their decision-making at the design and the end of life of the Data Centre equipment. The "Compass » also helps the producers and designers in their decision-making process and thus contribute to eco-design.

The performance of the equipment is assessed based on environmental, criticality, social and cost indicators over their entire life cycle. The "Compass" tool provides the ability to compare different servers based on their performance. It provides access to some predefined servers (brands, generations, etc.)

Besides, for experts, it is also possible to create and assess its server to make a comparison.

The first tool beta version for tests will be available in the coming months.

Discussion topics about the decision-making tool
<ul style="list-style-type: none"> The possibility to have several choices of the batteries in the tool was mentioned.
<ul style="list-style-type: none"> There is a legal issue about the tool: for the predefined servers and equipment, the question of displaying brand names is essential. If specific brands are not displayed, the tool loses its interest. In case brands are provided, the tool needs to transparent to provide methods used to compare the DC equipment.
<ul style="list-style-type: none"> The tool aims to facilitate the communication between stakeholders: the actors who are involved in the dismantling process are not aware of the end of life of the components. There is a loss of components' traceability. The recycling rates are not well-known.

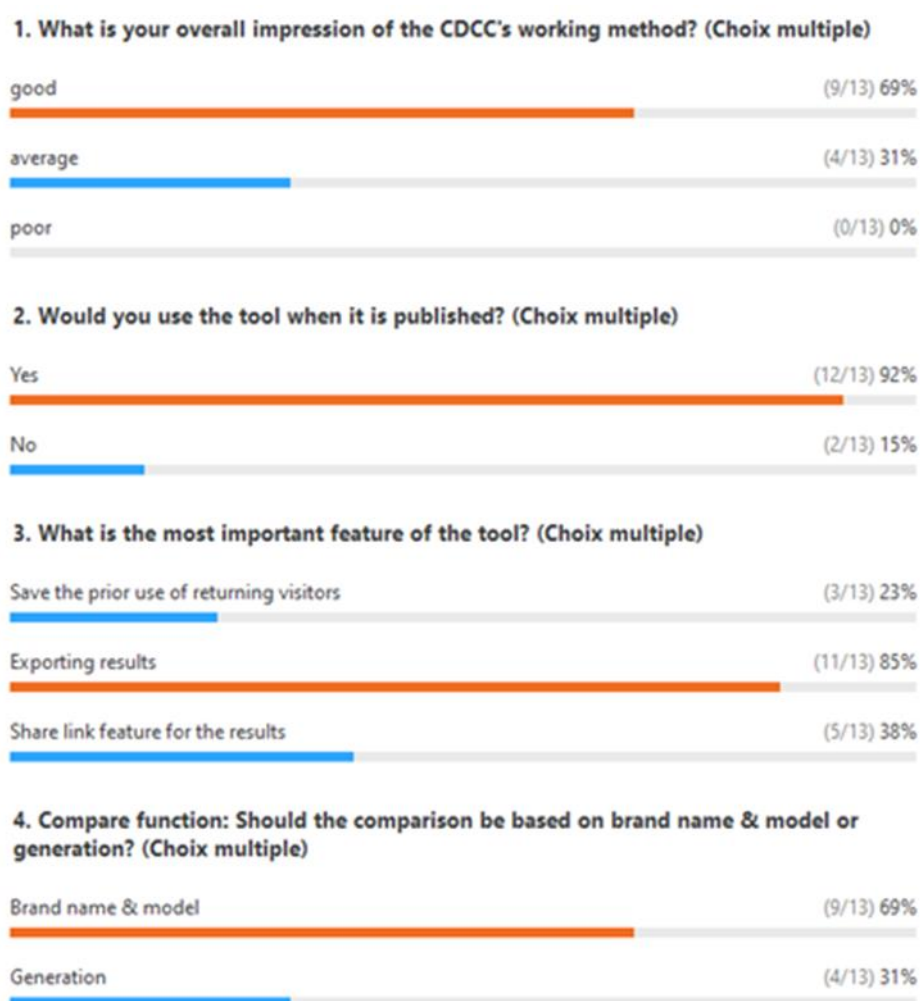
1.4 – Introduction to the “Compass” indicators and planning for next steps

Soline PEREIRA (WeLOOP) introduced the indicators that are used in the « Compass » tool and the planning to develop these indicators. The equipment characterisation is in progress, and the data collection sheets is sent to TND. The modelling on SimaPro should start during the week of 40.

2 - Poll and discussions

2.1 – Results of the poll

Below, the results of the live survey realised by Naeem ADIBI about the decision-making tool during the working group:



2.2 – Discussions about the decision-making tool

Discussion topics with regard to results of the poll
<ul style="list-style-type: none"> Tool boundaries: the number of inventories, the time and the expertise that are necessary to establish the database of servers were discussed.
<ul style="list-style-type: none"> In the absence of establishing complete inventories, a comparison can be made based on the predefined servers, but the latter needs to be precise and accurate. The default comparisons of the equipment to be done based on similar functions and conditions of use. It is a question of creating a default use scenario. The comparisons will be made accessible to experts able to predefine their server in the tool.
<ul style="list-style-type: none"> Interest for the standardisation of the equipment in future (to have minimum access to a sub-equipment list of a server to be able to assess them correctly).
<ul style="list-style-type: none"> Discuss the appropriate use of the equipment; for example, one can make the mistake of using equipment that is not adequate for the needed final service.
<ul style="list-style-type: none"> Pay attention to the comparison of the servers: what does “good” and “bad” mean.
<ul style="list-style-type: none"> CENELEC develops European standards concerning the equipment reparability and the recyclability. They are helpful for the design of the equipment; therefore, it essential that CEDaCI shares knowledge with CEN working groups.
<ul style="list-style-type: none"> The question of making the dismantling reports available to the public or stakeholders is discussed.

3 – Coming dates

The Data Centre World Paris on November 17 and 18 is cancelled (organised 23-24 November 2021). **The date of the 19th of November was confirmed for a transnational co-creation session about recycling from 10:00 am to 12:30.**