



Feedback on Ecodesign of Digital Services

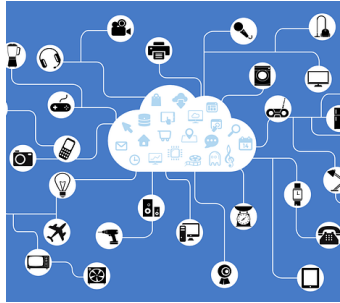
2017-2019



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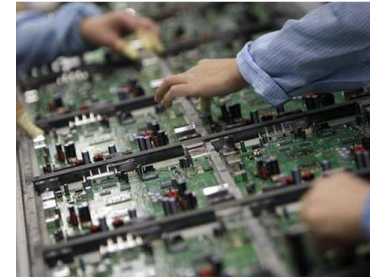


NEW MODELS LEADS TO NEW QUESTIONS



55% of world population connected
(ITU)

80 Mds connected devices in 2020
(IDATE)



+ 60 metals in a smartphone
(UNEP)
Resources depletion
Local polutions



+85% Traffic of mobile data in France
(IDC, Seagate)



+4% of GHG emisions
+15% of the national electrical
consumption (France)

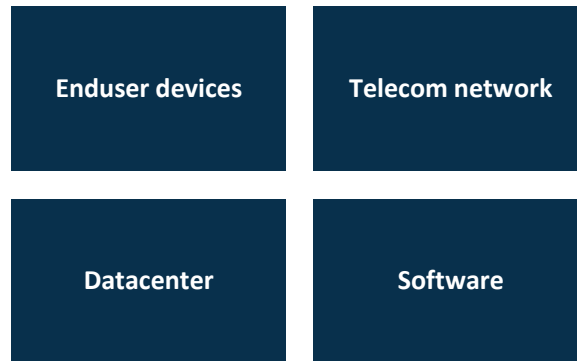


+15% annual growth of Cloud
Services
+20% superficie of datacenters
163 Zo of annual data



50M tons of WEEE each year
(WEE forum)
Illegal traffic

Digital Service = association of



Life Cycle Analysis
Methodologie



The Key points

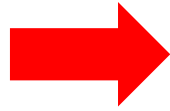
- ✔ Definition of fonction and fonctional unit
- ✔ Consider all the stages of the service lifecycle
- ✔ Assessment of the environmental impacts (LCA)
- ✔ Consider the 3 parts of the physical architecture
- ✔ Communication with interested parts
- ✔ Environmental improvement without pollution transfert

Alliance Green IT White paper (2017)

<http://alliancegreenit.org/wp-content/uploads/Doc%20AGIT/LB-ecoconception-numerique.pdf>



THE PROJECT



THE METHODOLOGY



THE RESULTS

(greenconcept)
éco-conception numérique

Organized by

Organized by

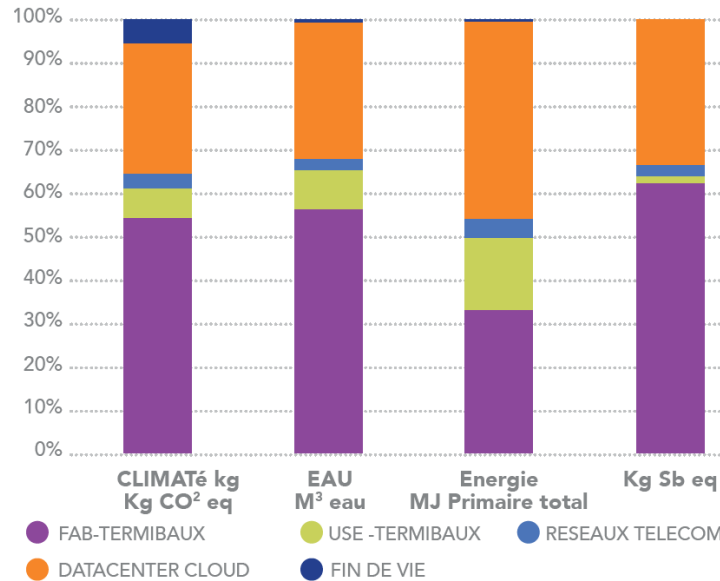


Funded by



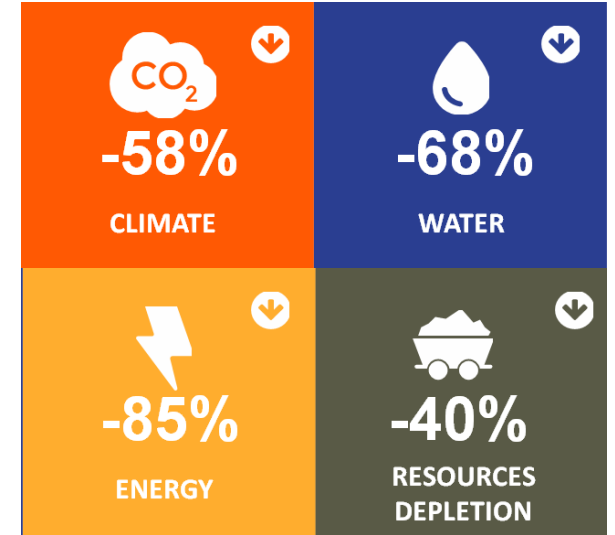
28 Compagnies

Assist local company to implement ecodesign into the development of their digital services



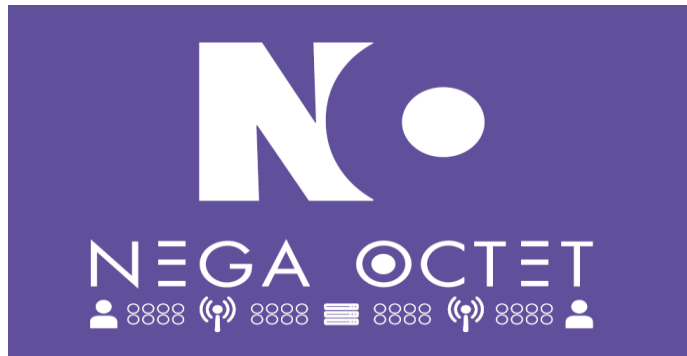
Life Cycle Analysis

Impacts mainly du to devices manufacturing
Several influencing factors



Impacts divided by 3

Codesign: a very efficient leverage
Additional advantages



ADEME



Agence de l'Environnement
et de la Maîtrise de l'Energie

Build and test a standard on environment assessment of digital services

Methodology
framework

Database

Assessment tool

In order to

- Improve knowledge in assessment of the environmental footprint of digital services and software
- Identify best practices (measurable)à
- Environmental labelling



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