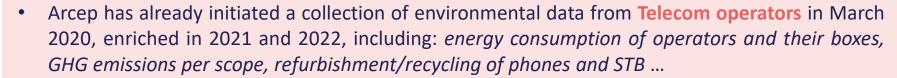
A Snapshot on Arcep's Digital Sustainability work

Greening Digital Companies 2023
ITU/WBA Webinar

Arcep's « Achieving Digital Sustainability » survey*







- This Data collection was extended to **data center operators** and **terminals manufacturers (TV, phones)** in 2022, including: energy and electricity consumption of DC and IT equipment, GHG emissions per scope, volume of precious metals/rare earths with respect to the number of terminals sold in France ...
- Arcep intends, in the future, to generalize this collection to the various players of the Digital ecosystem.



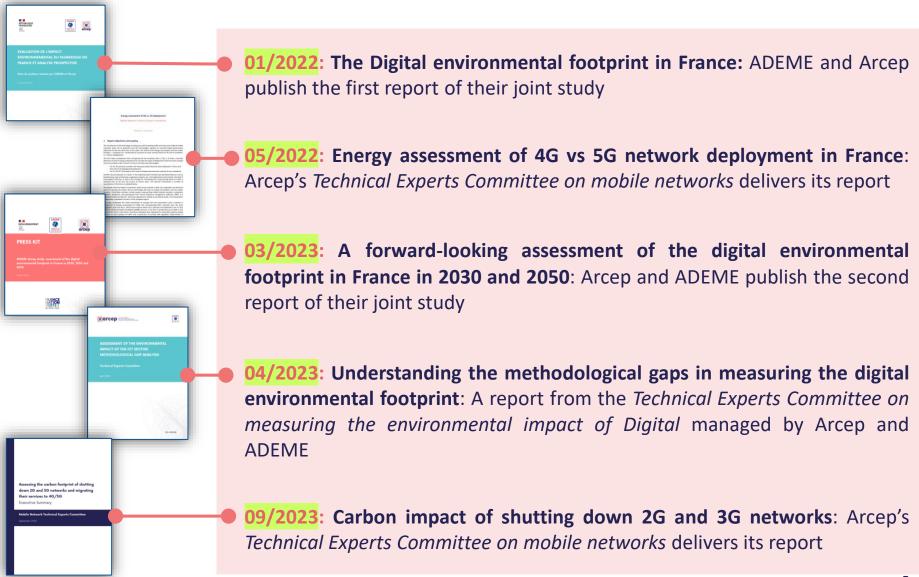
- Rationale: Following an incremental approach
 - Starting with selected types of players then expanding to others...
 - Starting with consensual & market aggregated KPIs to then refine and ultimately individualize ...



*For more information on Arcep's Survey:

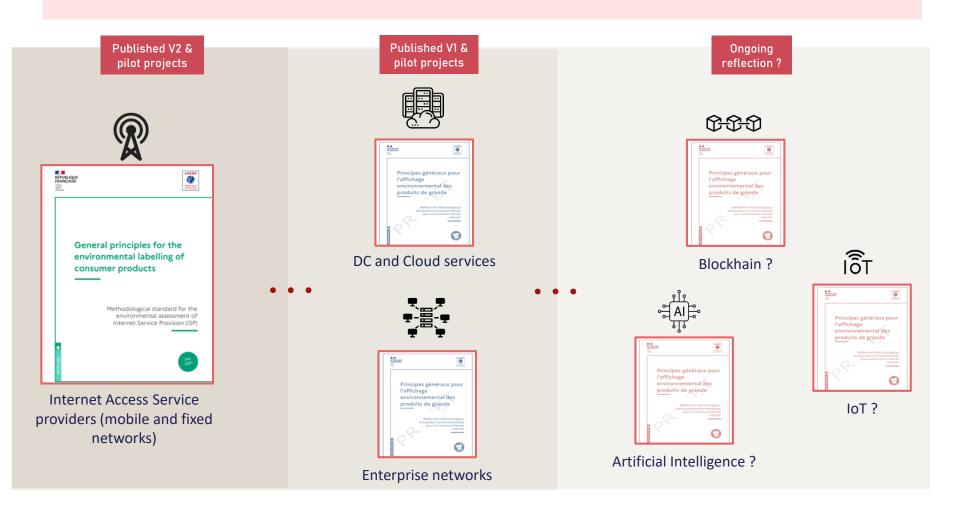
https://www.arcep.fr/cartes-et-donnees/nos-publications-chiffrees/impact-environnemental/enquete-annuelle-pour-un-numerique-soutenable-edition-2023.html

Examples of published Arcep's Studies



Environmental labelling and Product Category Rules (PCR) for ICT ...

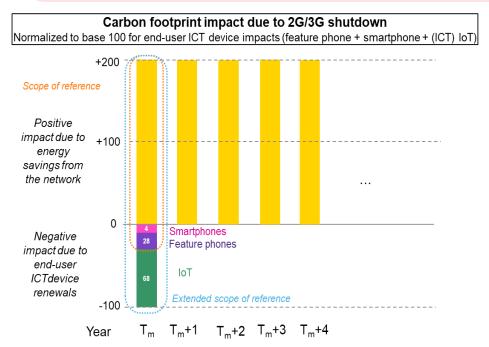
Art. 13th of AGEC Act (Anti-waste law for a circular economy (2022)): obligation for telecom operators to inform their subscribers on **the GHG emissions related their Internet access sevices.**



Arcep's Technical Expert Committee study findings on the Carbon impact of 2G/3G network shutdown

Aimed at informing public actors in particular, it seeks to provide qualitative and quantitative inputs on the environmental issues surrounding 2G/3G network shutdowns with migration of its services to 4G/5G, such as Climate Change.

The study shows recurring reductions in carbon emissions from the first year after the 2G/3G shutdown. For the network and mobile devices, this reduction is achieved in under two months. When factoring in M2M/IoT as well, this reduction is achieved in under six months.



Summary

Assessing the carbon footprint of shutting down 20 and 30 networks and migrating their services to 40/50 Executive Sommary

Makide Retwork Technical Experts Committee

***The Service 2021**

Assessing the carbon footprint of shutting down 20 and 30 networks and migrating their services to 40/50 Potaled Report

Makide Natural Federal Committee

**Makide Natural Experts Committee

**Makide Natural Experts Committee

***The Service 2021**

***The Service 2021**

The Service 2021

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^{*} This illustration assumes a constant electricity grid emission factor over time, however this does not change the fact that gains in network electricity consumption are constant and persist over time beyond Tm

Thank you for your attention

Ahmed HADDAD

PhD. Technical Advisor @ ARCEP