

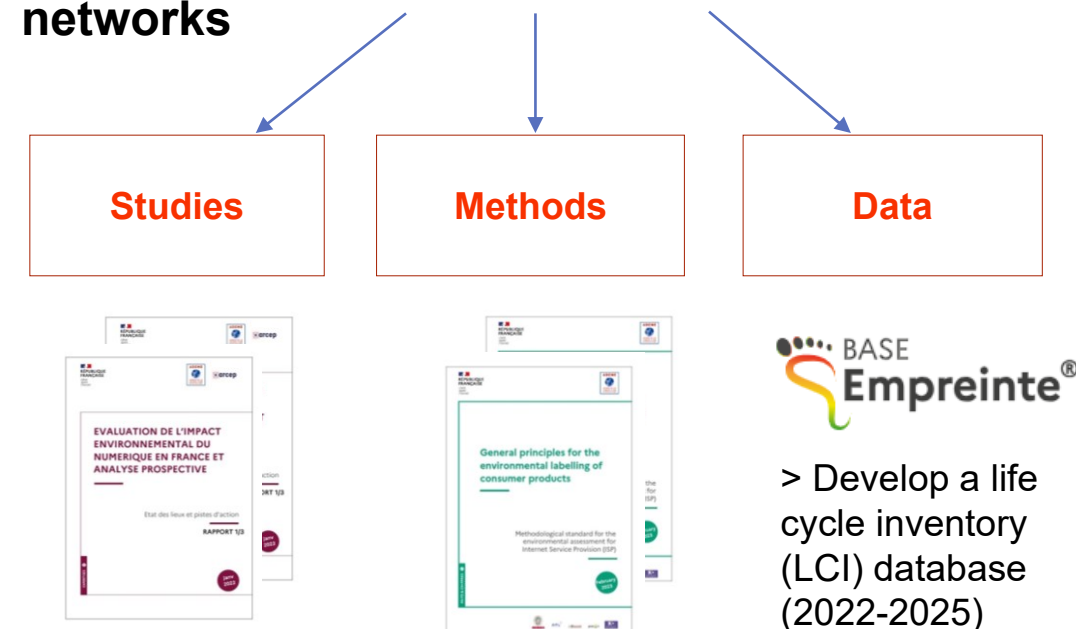
An increasingly dense French regulatory framework to limit the environmental impact of digital technology



> AGEC law: from January 1, 2024, telecom operators must communicate their carbon footprint to subscribers, based on ADEME methodology.

> Climate & Resilience law : decarbonization roadmap by 2050 for the digital sector, to feed into the national low-carbon strategy (SNBC).

ADEME mission on the environmental impact of networks



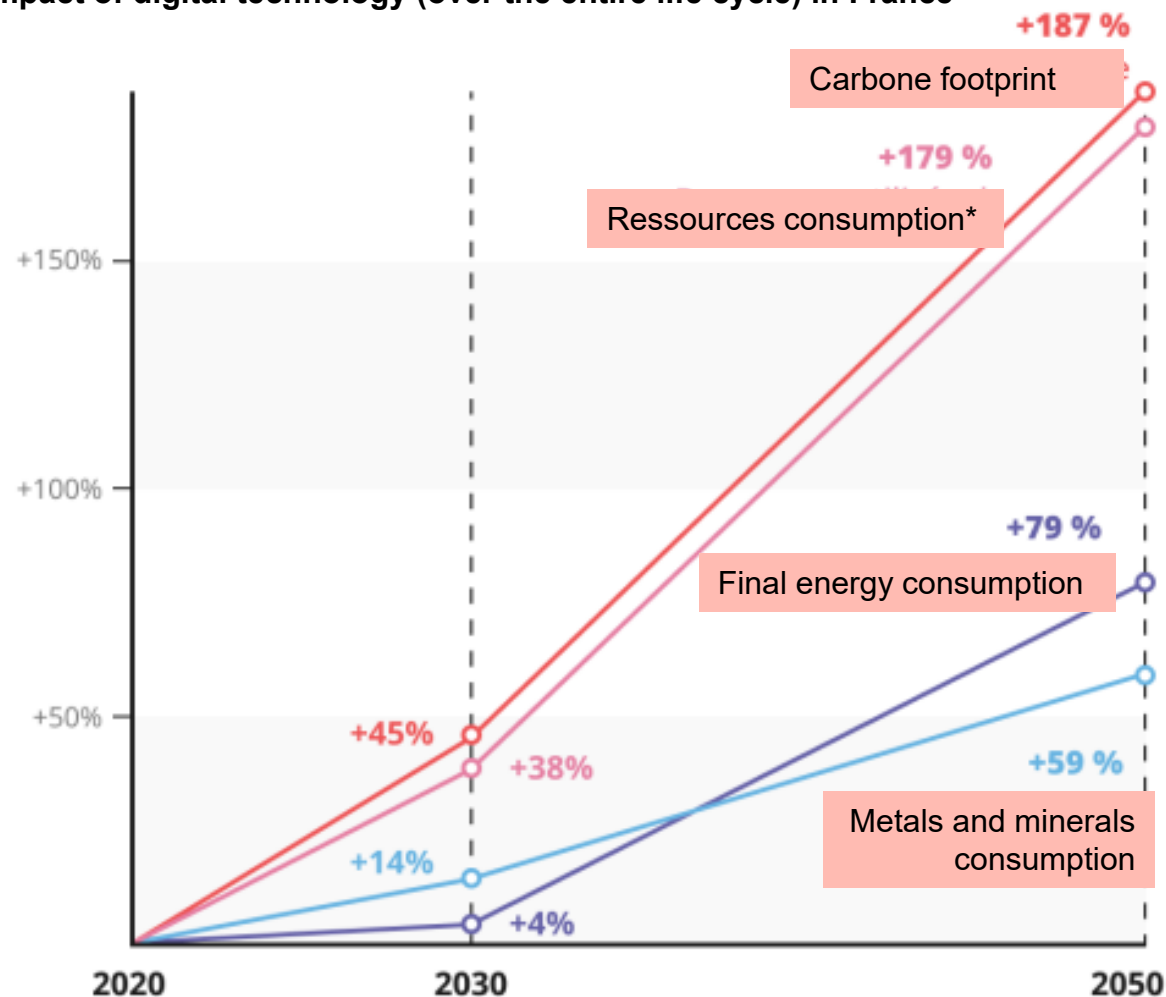
> Study on the impact of fixed and mobile networks in France (publish in end 2023)

> LCA-based method for Internet access provisioning (published in 2022)

> Develop a life cycle inventory (LCI) database (2022-2025)

> **objective:** - encourage eco-design
- encourage life-cycle & multi-criteria approach

Trend scenario evolution of 4 indicators of the environmental impact of digital technology (over the entire life cycle) in France



=> Exploitation of uses and equipment is enabled by telecommunication networks

=> need for a methodology to estimate the rebound effect based on LCA and multicriteria approach

*MIPS definition taking into account materials used, biomass, mechanical or erosive earth displacement, water and air.

Source : ADEME/Arcep study on the environmental impact of digital technology in France, 2022