



**GRENOBLEALPES  
MÉTROPOLE**

# **Extending the life of electronic equipment through reuse**

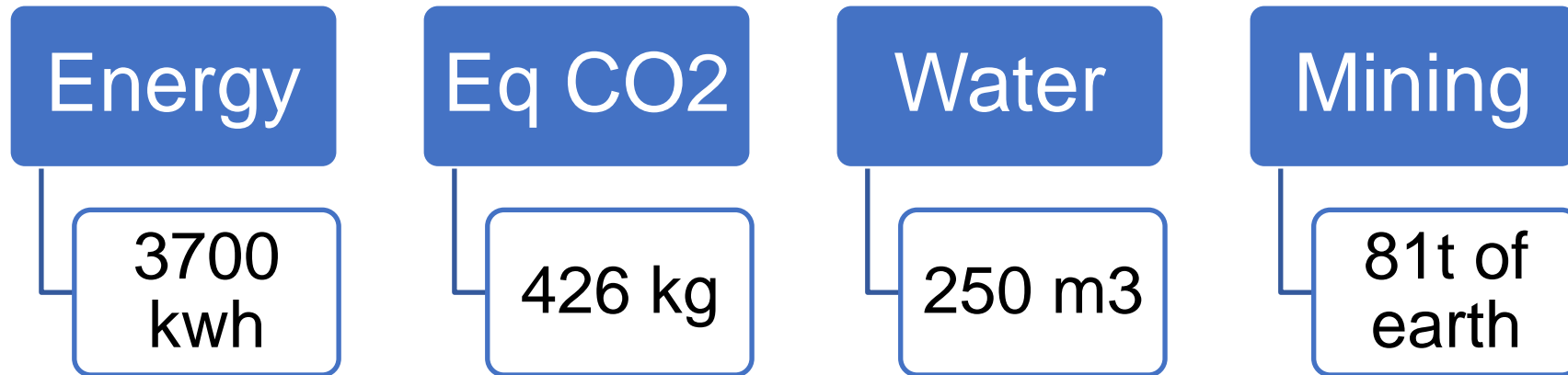
*Climaborough Preliminary Market Consultation*

*Grenoble-Alpes Métropole, 27 January 2024*



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# IT footprint of a public servant in 2022 (in France)



# Towards a more sustainable digital consumption

- Digital technology = 4% of greenhouse gas emissions
- In France, equipment accounts for nearly 70% of the overall impact
  - Extraction pressure and pressure on water are also worrying
- Extending the lifespan of digital equipment is therefore a major issue
- The law now requires that local authorities (over 50,000 inhabitants) purchase at least 20% of reused equipment
- However, the sector is not yet structured to cope with the volumes requested
- Similarly, associations seeking to provide equipment to people in a digital divide are overwhelmed by the surge in demand



# Main hindrances

- Lack of coordination among the players
  - Inability to meet volume demands
  - Quality and price of refurbished equipment
  - Heterogeneity of equipment
- Lack of predictability regarding their availability
- Absence of clear and shared standards
- Difficulty in offering a comprehensive and secure solution
- Lack of traceability
- Cultural resistances and social desirability



# Main opportunities

- Major American equipment manufacturers and telecom operators place much greater emphasis on reuse in their communications
- All the players in the reuse sector are present in the region
- For several months, the players in the employment sector have been meeting within the Pôle R and within the framework of the circular economy network, CirculAlp
- More and more small awareness-raising events for employers and the general public
- The local economic pact brings together the region's major employers around CSR issues



# Data

- Organizations in charge of collecting and dismantling the equipments
- IT directions : data produced by internal asset management and park management tools



# Stakeholders

- IT managers from key public and private employers
  - Grenoble-Alpes Metropole
  - Ville de Grenoble, CCAS, UGA
  - CHU
  - Big companies
- Economic sector of reuse
  - Equipment collection
  - Equipment dismantling or upgrading
  - Equipment sale and distribution
- End customers
  - Organizations
  - Individuals
  - Vulnerable populations

# A cross-cutting issue for Grenoble-Alpes Métropole

- Information Systems Department
- Exemplary Administration Plan
- Public Plan for Solidarity and Environmentally Responsible Purchasing
- Circular Economy
- Waste
- Social and Solidarity Economy
- Metropolitan Climate Air Energy Plan
- Urban Planning





# Objectives

- Animate the network of stakeholders for promoting mutual understanding between them and recognition of their respective expectations
- Co-design with economic sector of reuse a solution allowing the players to better assess the IT assets of major accounts in the region
- Facilitate, from the point of view of reuse stakeholders but also of these major accounts, the collection of equipment
- Articulate the interventions of the stakeholders concerned and ensure the traceability of equipment and these interventions
- Ensure the distribution of some of these equipment to end-users, particularly the most vulnerable groups



# Main features of the prototype

- Providing visibility into the IT parks of large accounts in the territory by consolidating data produced by internal asset management and park management tools
- Enabling the pooling of equipment collection from decommissioned parks by linking IT departments (DSIs) with actors involved in reuse
- Facilitating coordination between stakeholders (collection, sorting, processing of equipment, resale, and provision for vulnerable groups), while ensuring traceability for large accounts
- Adopting common standards and frameworks
- Ensuring traceability of equipment, and sharing relevant data
- Developing more comprehensive offer to address the challenges more holistically



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