The impact of IT on climate change is growing rapidly. We aim to develop a data model to support the evaluation of the carbon footprint of digital services, along with a visualization tool to inform users. Besides, we intend to propose new services to reduce carbon emissions when computing workload, adapting the moment, the location or the volume of processing.

**RQ1**
How can we evaluate carbon emissions of digital services?

- Collect data on energy-related metrics
- Forecast usage and metrics
- Provide a data model to be used for relevant deployment techniques

**RQ2**
How can we apply shifting techniques to reduce carbon emissions?

- Bring instances or data closer to the computer
- Combine efficiency and sufficiency to anticipate the rebound effect
- Adapt the deployment of services to the renewable energies available

**RQ3**
How can we communicate info about the carbon footprint of digital services and involve people?

- Provide feedback to the user using understandable metrics
- Explain what needs to be done to reduce the user’s impact
- Involve the user by giving him/her the opportunity to deploy a service differently

**CONCLUSION**
Carbon emissions from the ICT sector are a major issue to address. Our proposal is for all stakeholders in the ICT sector to adopt a net-zero target and implement a strategy to decrease emissions annually. To achieve this, we are developing a tool to evaluate the carbon footprint of digital services and to recommend additional methods to face this issue.

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