Towards a sustainable data and knowledge preservation

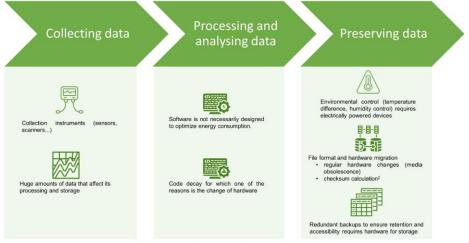
Aurèle Nicolet*, Basma Makhlouf Shabou*

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Digital general environmental impacts



Research data's environmental issues



Arch'Eco Project

- · Prospect for good practices in data and records management
- · Characterize ecological issues in data and records acquisition and processing
- · Identify and quantify the environmental impacts of data processing via the life cycle of data and archives
- Define the functional and technical specifications of a tool to manage and control environmental costs
- · Recommend resources to better support ecological sustainability to decision makers
- tasks applied to the acquisition and processing of data and archives
- · inventory of practices and mapping of processes and review of systematic literature and case studies to identify good practices (methods, tools, metrics) in sustainable data and records management
 - development of a conceptual model with an overview of archival functions, tasks and tools
 - · mapping of metrics, stakeholder consultation sessions to collect academic and professional validation

Contact

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² KINNAMAN, Alex and MUNSHOWER, Alan, 2022. Green Goess with Anything: Decreasing Environmental Impact of Digital Ubratics at Virginia Tech. In: Prez 2022: The 18th International Conference on Digital Preservation. Online. Glasgow Scotland Uk. 13 September 2022. Retrieved from: http://doi.handic.net/10519/12392.



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Digital general environmental impacts

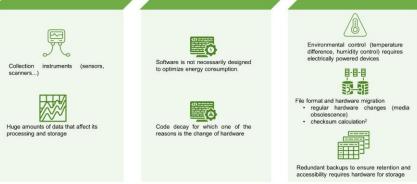


Research data's environmental issues



Processing and analysing data

Preserving data



Arch'Eco Project





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BORDAGE, Fréderic, 2019. Empreinte environnementale du numérique mondial (Online) GreeniT, September 2019. Retrieved from https://www.greenit.fr/pur/ content-fulpade/2016/10/2019-10-GREENIT-etude_EENIN-lapport-accessible.VF_pdf communications and American Control of the Control

