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The lab



Interdisciplinary research unit for the management and restoration of river systems and their catchments working on Multiscale Eco-Hydrology, Ecotoxicology, Microbial Ecotoxicology, Environmental Chemistry, Diffuse Pollution, Catchment Hydrology, and River Hydraulics (150+ people)

The (long, on-going, difficult) process



Carbon accounting

• **GE1point5** tool developped by Labos1point5 (Mariette et al., 2022)

• Contribution to evaluate the carbon footprint of the whole French research community



Gauthier, L. et al. (2023). "How to make a sustainable development approach successful across all scales of a research institute? Crossed views at INRAE". In: EGU General Assembly 2023 (Vienna, Austria, Apr. 24–28, 2023). DOI: 10.5194/egusphere-egu23-7600. INRAE (2021). Responsabilité sociétale et environnementale INRAE. Plan d'action 2021-2025. INRAE. 39 pages. Mariette, J. et al. (2022). An open-source tool to assess the carbon footprint of research: Infrastructure and Sustainability 2, 035008 (3). DOI: 10.1088/2634-4505/ac84a4.

How to collectively engage in reducing the carbon footprint of a research lab?



- Major impact of
- purchases
- Large impact of COVID
- pandemic on travels
- Year-to-year variations
- of energy consumption
- in premises

References



International, cross-disciplinary collective of academic researchers who share a common goal: to better understand and reduce the environmental impact of research, especially on the Earth's climate