Did you know that...

Laboratories consume on average 5 to 10 times more energy and 4 times more water than offices of equivalent area.

United States Environmental Protection Agency and US Dept of Energy Efficiency and Renewable Energy Federal Energy Management Program. Laboratories for the 21st century: an introduction to low- energy design, 2008 / Tennison I, *et al.* Health care's response to climate change: a carbon footprint assessment of the NHS in England. Lancet Planet Health. 2021 Feb;5(2):e84-e92.

ulaval.ca/laboecoresponsable

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Did you know that...

**At the university level,
the laboratories may account for up
to 60% of the energy consumption
and carbon emissions of the facility.**

University of Oxford, Environmental Sustainability Strategy, 2018,
https://sustainability.admin.ox.ac.uk/files/environmentalsustainabilitystrategy.pdf

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Did you know that...

Worldwide, life sciences research produces 5.5 million tonnes of plastic waste every year.

Check out our tips for reducing plastic footprint in the lab!

Farley, M. How green is your science? The race to make laboratories sustainable. Nat Rev Mol Cell Biol 23, 517 (2022) / My Green Lab

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Did you know that...

A ultra low-temperature freezer consumes as much energy as a house per year?

Increasing the temperature of freezers from -80°C to -70°C can reduce their energy consumption by 20 to 40%, while extending their lifespan.

Farley, M. How green is your science? The race to make laboratories sustainable. Nat Rev Mol Cell Biol 23, 517 (2022) / My Green Lab

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Did you know that...

A fume hood consumes as much energy as 3 houses a year.

Lowering the window to maximum or switching off the fume hood when not in use can reduce energy consumption by up to 77%.

Farley, M. How green is your science? The race to make laboratories sustainable. Nat Rev Mol Cell Biol 23, 517 (2022) / Neseliler, S. (2013). Shut you sash!. McGill University. https://www.mcgill.ca/sustainability/sp0041-shut-your-sash

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Did you know that...

By flying as part of their professional activities, members of the Canadian professorial community emit an average of 7.5 to 9 tonnes of CO_2 equivalent per year, compared with 1.1 tonnes for the air travel of an average Canadian.

Virtual attendance to a conference generates between 97 and 200 times less GHG emissions than in-person attendance.

Julien Arsenault et al 2019 Environ. Res. Lett. 14 095001 / Jäckle, S. (2021). Reducing the Carbon Footprint of Academic Conferences by Online Participation: The Case of the 2020 Virtual European Consortium for Political Research General Conference. PS: Political Science & Politics, 54(3), 456-461.

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Did you know that...

Check out this labeling system, similar to a nutrition label, which provides information on the environmental impact of laboratory products.

ACT Label

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Did you know that...

It is possible to buy second hand, even in the lab! Consult the “Entrepôt ULaval”.

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