

Talk and Workshop

The environmental impacts of computational science: How bad is it and what can we do about it?

with Dr. Loïc Lannelongue, University of Cambridge

Wednesday, 24.05.2023, Y24-G-55 (near Lichthof)

12:30 - 13:30 Presentation

13:30 - 14:30 Workshop “Calculate your own HPC footprint”

Don't miss out on lunch: sandwiches will be served!



Abstract:

The environmental impact of (scientific) computing is a growing concern in light of the urgency of the climate crisis, and there is widespread interest in the research community; so what can we all do about it? Tackling this issue and making it easier for scientists to engage with sustainable computing is what motivated the Green Algorithms project. We will discuss what we learned along the way, how to estimate the impact of our work and what levers scientists and institutions have to make their research more sustainable. We will also debate the ethical implications of these environmental costs and examine what is still needed moving forward.

Target Audience:

Those working with methods requiring high-performance computing, from **Biology** (eg. microscopy), **Physics** (eg. simulations) or **Chemistry**. Those tasked to administer these computational resources. **Everybody** who is interested in sustainability in research.



Stay up to date or get in touch:
www.greenlabzurich.uzh.ch



Calculate your HPC footprint:
www.green-algorithms.org

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