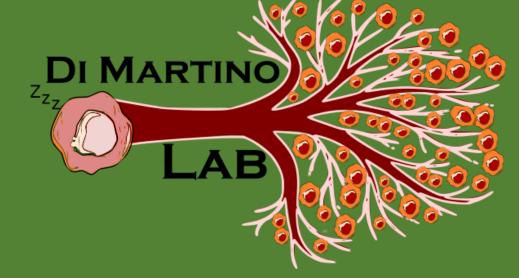
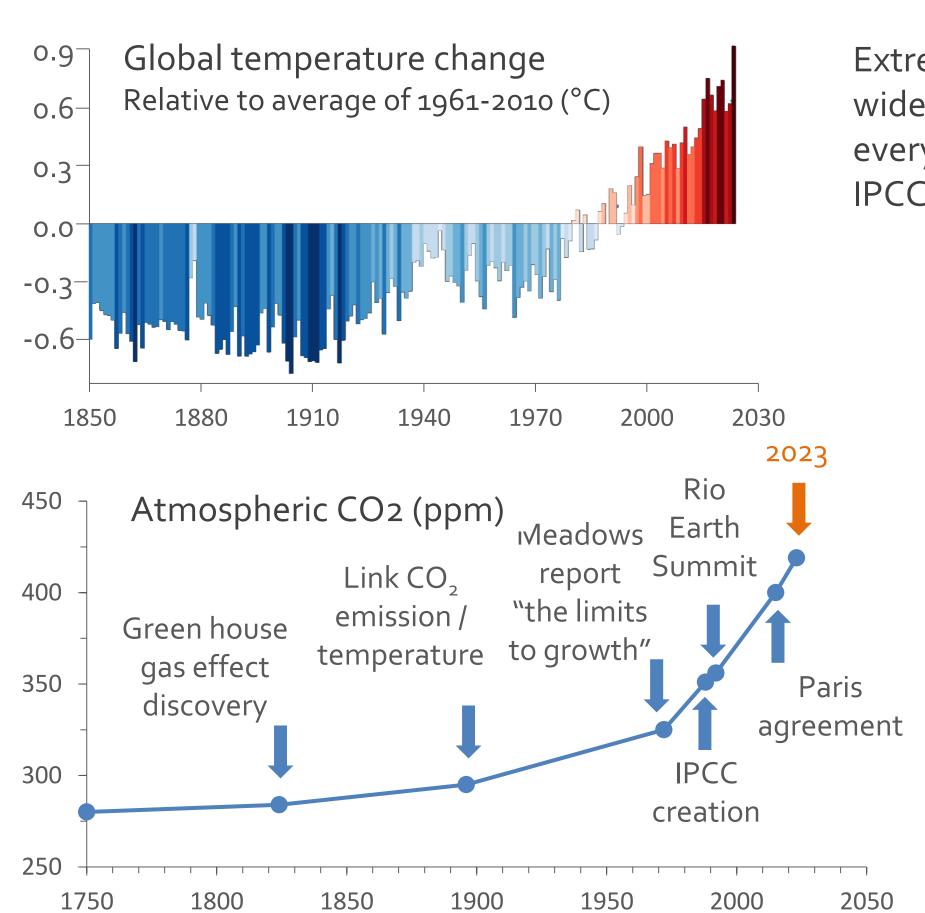


# Go Green! Striving for a Reduced Ecological Footprint in our Research

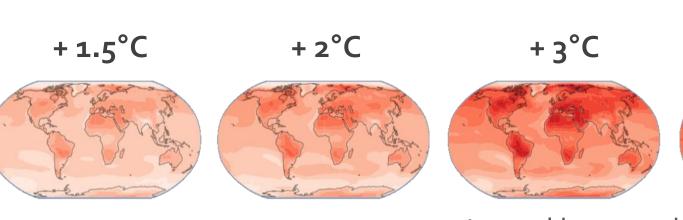


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# Global warming is accelerating and disrupting natural, social and economic equilibrium



Extremes become more widespread and pronounced with every increment of warming – IPCC 6<sup>th</sup> report (2023)



Annual hottest day temperature

+ 4°C

We hear it, but what do we do about it?

In our day-to-day work, we consume natural resources and energy, we produce greenhouse gas, we contribute to the pressure on the environment.

But as scientists in today's society, we have the responsibility to integrate these issues into our research and to work toward greener practices.

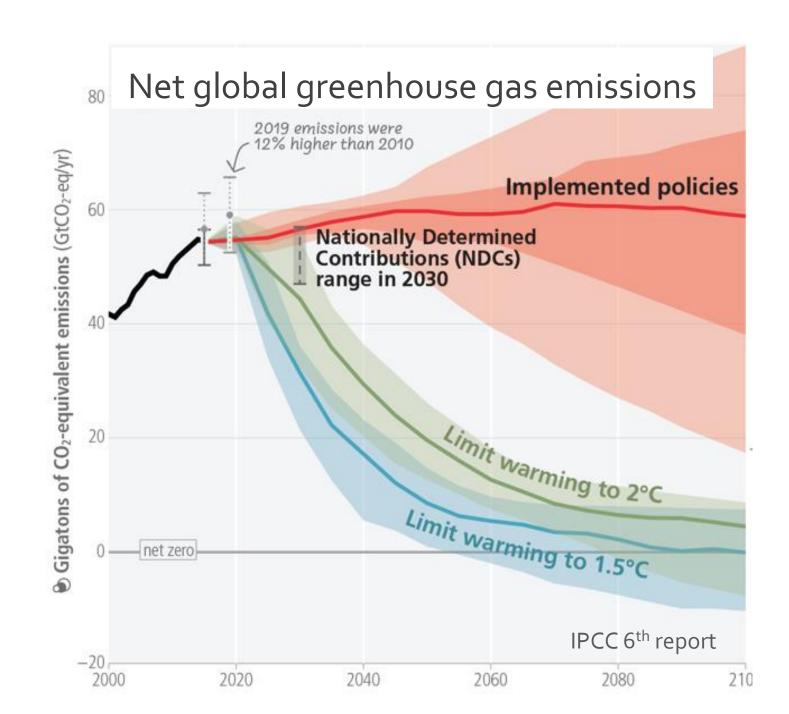
Paris agreement objectives:

2 t eCO2/person/year

Consumables

account for 42% of

the emissions of the



Using Labos 1point5

methodology, IBCP&Cie

footprint of the institute

https://labos1point5.org/

MON NOUVEAU NOM

-70°C

calculated the carbon

So, how can we reduce the environmental footprint of our research?

Transports

156 t

# Doing research in a world in transition

### Two examples:

- One institute in Lyon (France) 250 people
- One lab in New York (USA) 5 to 20+ people

### A common approach:

**Evaluate** 

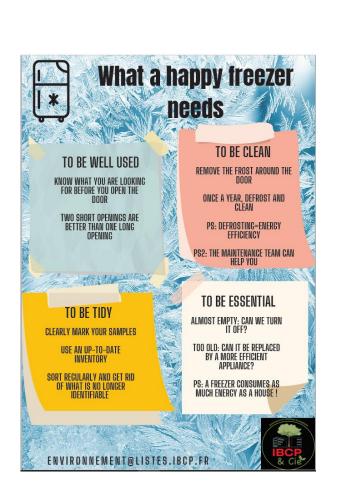
Communicate

Act

# Communicate









Conclusion

Newsletters to get new ideas:

Vabconscious



Act: the 3 R rule – some examples

Reduce

Secure bike park

lab!

Evaluate

Think twice: is this (experiment / material etc.) really needed?

Reduce water consumption:

more efficient ultrapure water system

Building

125 t

Total =

**1171** t eCO<sub>2</sub>

GES per capita

2019

t eCO2

aerators on faucets

Reduce energy consumption: freezer challenge

Purchases

884 t

reduce autoclaving

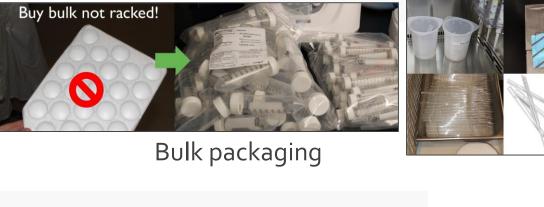
promote sustainable transportation

Reduce consumables:

share chemicals

share / repair small equipment

buy bulk not single use







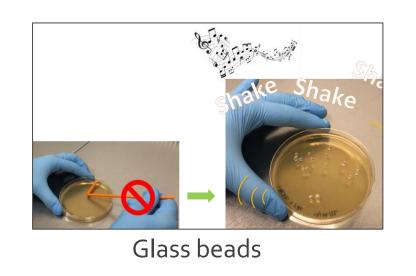
Save energy: Shut the

Reuse/Replace

replace single use plastics for glass reuse

buy bulk make your own

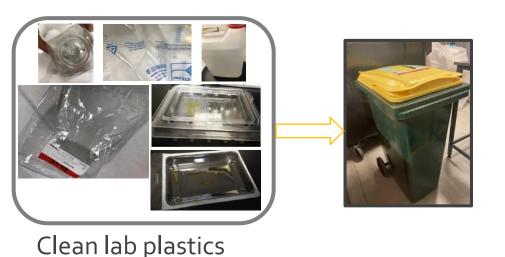






Recycle

all that can be recycled find new recycling circuits



Polystyrene

Act : Get creative and Upcycle!





And, together, let's build a greener ECM community!

While the initial steps towards sustainability are

relatively straightforward, the real challenge lies in

raising staff awareness and actively involving all of us

One of the most effective ways to advance is by

This not only fosters a spirit of collaboration but also

in transforming experimental practices.

sharing best practices between labs.

encourages the exchange of innovative ideas.





www.ibcp.fr/fr/greenlabs-presentation/