

# Initiatives for Sustainable Labs



## UNIVERSITY-WIDE TARGET



# 33%

carbon reduction by 2020

**HOW?** Carbon Reduction Programme

## WHY LABS?

Focus on labs because they account for about **70%** of the University's energy consumption

## ACHIEVEMENTS SO FAR

☁ Replacing 154 drying cabinets with the new Genlab E3  
✓ Saving up to 500MWh electricity + 140t of carbon per year and cutting running costs by up to 72%



☁ Heating and ventilation optimisation in buildings  
✓ Currently saving around 1,150t of carbon each year

☁ Shut the Sash campaign

✓ Shutting a fume cupboard sash reduces its air flow, energy consumption and carbon emissions by up to 40%



☁ Green Impact and Switch Off campaigns

✓ Fantastic individual projects saving many tonnes of carbon



## GET INVOLVED

### ❄ Freezers

- ☛ **Free replacement** of the least efficient ultra-low temperature freezers with highly efficient Eppendorf Cryocubes.
- ✓ **Estimated annual savings:** 150MWh electricity + 70t of carbon
- ☛ **Discount** on new freezers (those which don't qualify for free replacement).
- ✓ Supporting the uptake of sustainable freezers.



### ↻ Fume cupboards

- Upgrades** from constant to variable air flow.
- ✓ **Estimated annual savings:** 300MWh electricity + 400MWh gas + 200t carbon

### ⚙ Heating & ventilation

Lab-focused optimisation projects on the way.

### 🧠 Engagement & behaviour

- ☛ Development of best practice guides and sustainability training materials.
- ☛ Buying guidance and procurement policies.
- ☛ Networking and resource-sharing.

## GET IN TOUCH



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**NEWSLETTER SIGN UP:**  
Email Steffi with 'SUBSCRIBE' in the subject line