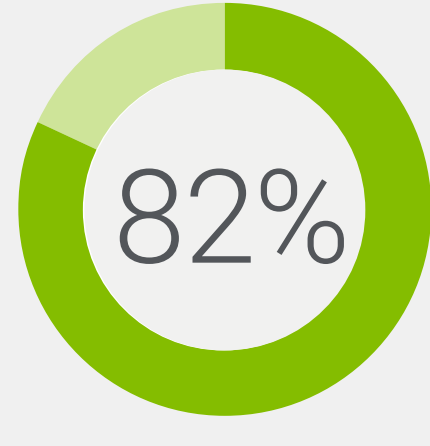


Reducing the Environmental Footprint of Research

Global lab sustainability survey sheds light on progress towards greener labs



Science and technology are key to a more sustainable future. However, research labs can be resource and energy intensive, with many labs using a lot of water and energy, so it can be challenging to reduce this without affecting operations. Additionally, the sourcing, manufacture, and disposal of specialized analytical instruments and consumables also have an environmental footprint. Even so, the future is looking bright, with many labs already taking steps to create a sustainable lab.



82% of labs surveyed have already adopted and are using **sustainability metrics** to help achieve their goals.

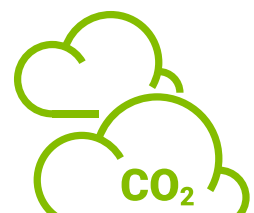
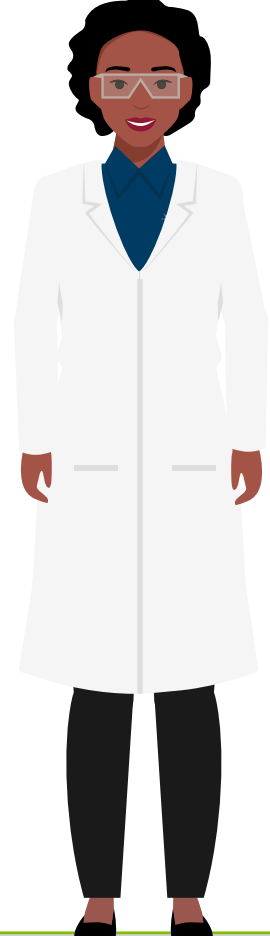


92% manage resource consumption

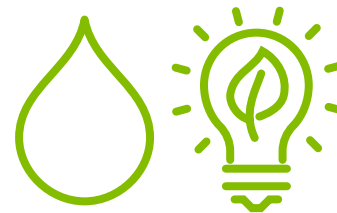


87% reduce global greenhouse gas/carbon emissions

Actions labs are already taking to reduce their environmental footprint



72% of labs are working to reduce their **carbon and global greenhouse gas emissions**



68% are optimizing **water and energy consumption**



60% are improving **waste management techniques**

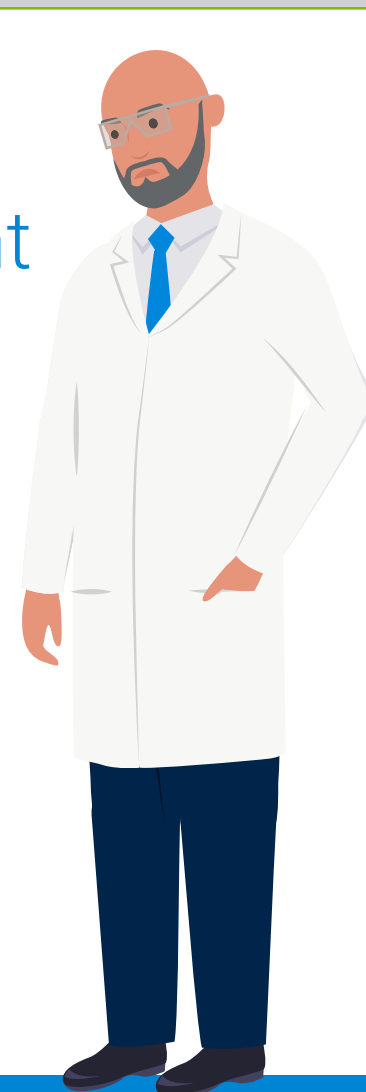
Areas that labs have not yet fully addressed in their bid to reduce their environmental footprint



ONLY 27% of labs surveyed are working to **improve lab efficiency and optimization of resources**



ONLY 12% of labs surveyed are focusing on **sustainable procurement and better management of lab analytical instruments**

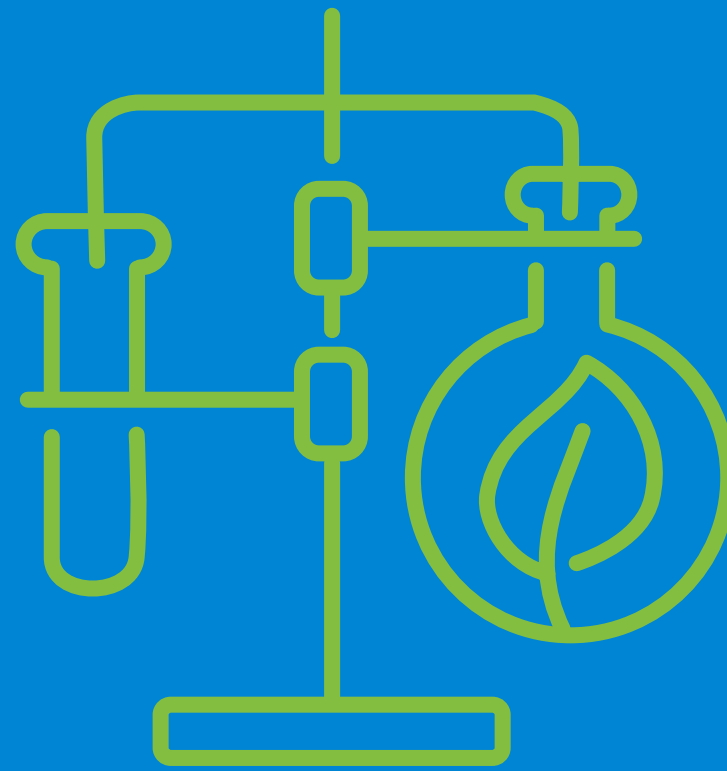


Benefits labs see to being more environmentally conscious

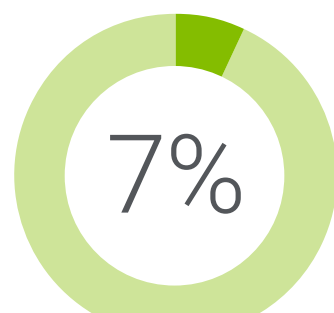
67% of lab managers stated that the most common reason for being positive around sustainability was **improved efficiency of the lab**

Labs are genuinely keen to make a change for the greater good

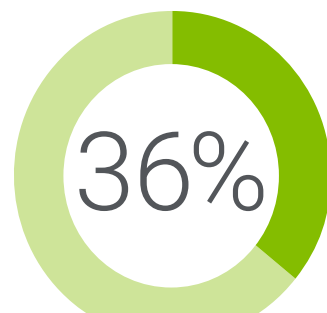
65% of labs managers are enthusiastic for the sake of **ensuring safety from a health, nature, and environmental perspective**



Although willing to significantly reduce their environmental footprint, some barriers remain



Only 7% of labs are currently **increasing funding for sustainability initiatives**, indicating a real need to find alternative, cost-effective solutions



36% of labs **do not yet believe** that they have had medium to high levels of success in **meeting their sustainability goals**

Reduction is a key action that labs are planning to take to improve their sustainability efforts



74% plan to continue reducing **carbon and GHG emissions**



60% want to reduce **waste generation**



59% said they will focus on **energy efficiency**

Labs know that they cannot fulfill their sustainability ambitions alone

85% look to analytical instrument manufacturers to support the reductions of emissions, with innovative product solutions

HOWEVER

74% of labs mentioned that they would not consider a manufacturer if it did not itself have a documented commitment to net zero



"Labs around the world are waking up to the massive environmental impact of research, but gaps remain in how to turn commitments and high-level goals into action.

Tools like My Green Lab Certification and ACT help turn aspirations into action in labs and lab supply chains."

— **James Connelly**,
CEO at My Green Lab



Agilent's Sustainability Solutions <https://www.agilent.com/about/esg/en/>

Agilent and My Green Lab <https://www.agilent.com/about/mygreenlab/en/index.html>

Survey Methodology

The lab sustainability survey was commissioned by Agilent and conducted by Frost & Sullivan. The survey included 500 online survey interviews conducted with managers in analytical laboratories in China, Germany, United Kingdom, and the United States.

This information is subject to change without notice.

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