Lab Sustainability Programs LEAF and My Green Lab: impact, user experience & suitability

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Supplementary Information

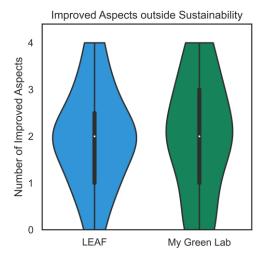


Figure S1. Average number of improved aspects outside sustainability. Thick bars indicate the interquartile range (IQR), thin black bars indicate 1.5x IQR, and white dots represent the median. Participants stated on average at least two of four non-sustainability aspects were improved thanks to the program. Suggested aspects that were improved in the order of prevalence of occurrence: organisation in lab, processes, safety, teambuilding.

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Table S1. Overview of mean values of participants from the research backgrounds chemistry and biology for different aspects of the programs. Scale from 0 = (liked) not at all/very low' to 4 = (liked) very much/very high'.

Aspect of the program	Research field	mean _{LEAF}	mean _{MGL}	p-value
Appropriateness for Research	Chemistry	3.1	2.4	0.07
Background	Biology	2.7	2.6	0.68
Time-to-implement vs benefit ratio	Chemistry	3.1	3.2	0.93
	Biology	3.1	3.7	0.07
Increase of Lab Sustainability	Chemistry	3.1	3	0.8
	Biology	3.1	3.1	0.8
Provided Resources	Chemistry	3.5	2.9	0.35
	Biology	3.1	2.8	0.37
Structural Aspects	Chemistry	3.3	2.9	0.3
	Biology	2.8	2.8	0.88
Program Rating	Chemistry	3.3	2.8	0.22
	Biology	3.1	2.9	0.64
Improved Aspects outside Sustainability	Chemistry	1.8	2.4	0.42
	Biology	2.2	1.9	0.45
Time-to-fill-out vs benefit ratio	Chemistry	3	3.2	0.78
	Biology	2.5	3.1	0.09

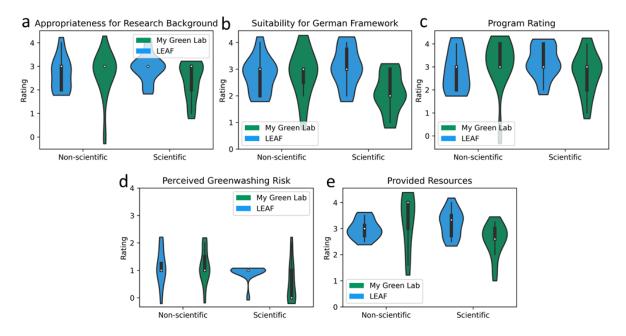


Figure S2. Ratings by staff type for a) Appropriateness for the specific research background. Appropriateness was rated +0.55 in LEAF, p = 0.035. b) German framework suitability. Suitability was rated +0.95 in LEAF, p = 0.002. c) Overall program rating. Rating was +0.49 in LEAF, p = 0.098, d) Greenwashing risk. Risk was rated +0.36 better in LEAF, i.e., lower risk (scale 0-2, high risk to no risk), p = 0.09, for all $n \ge 14$. e) Resources. Resources were rated +0.63 in LEAF, p = 0.037, $n_{LEAF} = 8$, $n_{MGL} = 9$