

Sustainable Labs Implementation Plan 2016-2017

Strategy referred to	Sub-Area	Action	Start Time	End Time	Status	Cost	Policy Objective	Strategy Objective	Target	
Strategy action relates to	eg legislation, awareness	The actions should relate back to our strategy and policy objectives	mmyy	mmyy	On target Not on target Complete	Yes No Possible	Specific Policy reference	Strategy objective ref and/or Legislation ref	Target	Update September 2017
Communications	Communication	Represent the University and participate at national events relating to Sustainable Labs. Collaborate on tangible outputs from the Laboratory Efficiency Action Network (LEAN) in order to expand Sustainable Labs nationally.	Sep-16	Sep-17	On target	Yes	6	COM2	T2	On target
Communications	Awareness	Develop website to include guidance documents, achievements and resources, accessible to internal and external stakeholders.	Sep-16	Sep-17	On target	Yes	1, 2, 6	COM1	T2	On target

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Communications	EWWR, MMR	Run Green Impact Labs: - encourage new sign-ups through student volunteer lab assessments, awareness campaigns and media communications - advice, reminders and assistance throughout the year via email - lab audits in May - awards ceremony in September	Sep-16	Jun-17	On target	Yes	1, 2, 3, 6	COM1, 3	T2	On target
Communications	Awareness, Training	Hold regular internal 'Sustainable Labs Network' meetings to identify and implement potential projects and schemes, and feedback on current initiatives. Maintain online network forum to ensure consistency and progression between meetings.	Sep-16	Sep-17	On target	No	1, 2	COM1, 3	T2	On target
Communications	Awareness	Inform staff and students of sustainable labs initiatives and achievements through newsletters, the website and social media.	Sep-16	Sep-17	On target	No	1, 2, 6	1, 2, 6	T2	On target

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Communications	Management, Policy	Develop a standardised UoB sustainable lab induction and exit system.	Sep-16	Sep-17	On target	No	1, 2, 6	1,2	T2	Not on target. To add another 6 months
Communications	EWWR, Awareness	Run waste, water and energy saving initiatives and campaigns	Sep-16	Jul-17	On target	No	3	WM1	T1	Focused on Green Impact Labs this year. Campaigns
Energy Management	Energy Reduction	HVAC upgrade project: SCB	Aug-15	Jan-16	On target	No	1,2,3,4	E1	T1	Not on target. We found additional
Energy Management	Energy Reduction	Fume cupboard replacement and HVAC upgrade: Langford	Nov-16	Dec-18	On target	Yes	1,2,3,4	E1	T1	To extend target due to project size
Energy Management	Energy Reduction	Efficient equipment subsidies and replacements: ovens, cold storage and biosafety cabinets	Nov-16	Apr-18	On target	Yes	1,2,3,4	E1	T1	On target
Energy Management	Management	Determine effectiveness of a 'cold sample storage and tracking inventory system' - procure and implement University-wide.	Oct-16	Aug-18	On target	Yes	1, 2, 3, 4	E1	T1	On target

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Energy Management	Security, MMR	Procure and implement a University-wide 'temperature alarm and data logging system' for lab equipment. This will aid expansion of initiatives such as Chilling Up.	Sep-17	Feb-18	On target	Yes	1, 2, 3, 5	E1	T1	Complete
Sustainable Procurement	Energy, water and waste reduction (EWWR)	Collaborate with Procurement on tenders for cold storage, biosafety cabinets and RO units. All specifications will take into account Whole Life Costing.	Oct-16	Sep-17	On target	No	1, 2, 3, 4	SP1	T1, 2	Not on target. BSC tender is on target, cold storage has been held back for Procurement reasons.
Sustainable Procurement	Reuse and recycling improvement	Nitrile glove and pipette/pipette consumables tender.	Nov-16	Sep-17	On target	No	1,2, 3, 4	SP1	T1, 2	Not on target. Will need to extend 6 months.

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Teaching and Research	EWWR	Propose and coordinate student projects in labs relating to Green Chemistry, energy, water or waste. To collaborate with academics, students and Estates.	Jan-17	Sep-18	On target	Possible	1, 2, 6	TR2	T2	On target
Teaching and Research	Communication, Training	Develop a technician/lab user sustainable lab training programme in collaboration with national bodies such as HEaTED, S-LAB and other universities. Provide through internal Staff Development.	Sep-16	Sep-18	On target	No	1, 2, 6	TR1	T2	On target. Running first training session internally Sept 17
Waste Management	Reuse and recycling improvements	Increase recycling and re-use in labs focusing on polystyrene, nitrile gloves and lab plastic.	Nov-16	Sep-17	On target	Possible	1	WM4	T1, 2, 3	Not on target
Waste Management	Legislation, Security	Identify, procure and implement a pilot 'chemical inventory system' in the School of Chemistry. To be rolled out University-wide if successful.	Jan-17	Aug-18	On target	Yes	1, 2, 3, 4	WM2, 3	T1, 3	Might need to be extended. Waiting on Chemical Safety Advisor.

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Waste Management	Assett and Space Management, EWWR	Develop a lab equipment sharing and selling system which is accessed on the website. The two systems may or may not be linked to one another.	May-17	May-19	On target	Possible	1, 2	WM1,2,3	T1, 2	On target
Water Management	Water reduction	Replace tap-to-drain systems with closed loop and increase networked water metering across science buildings	Oct-16	Oct-17	On target	Yes	1	WAT1	T1	On target

Reference EMS: Issued Martin Wiles (input Anna Lewis) Approved by: Martin Wiles. Issue date: September 2017 Version 1. Issue 2.