

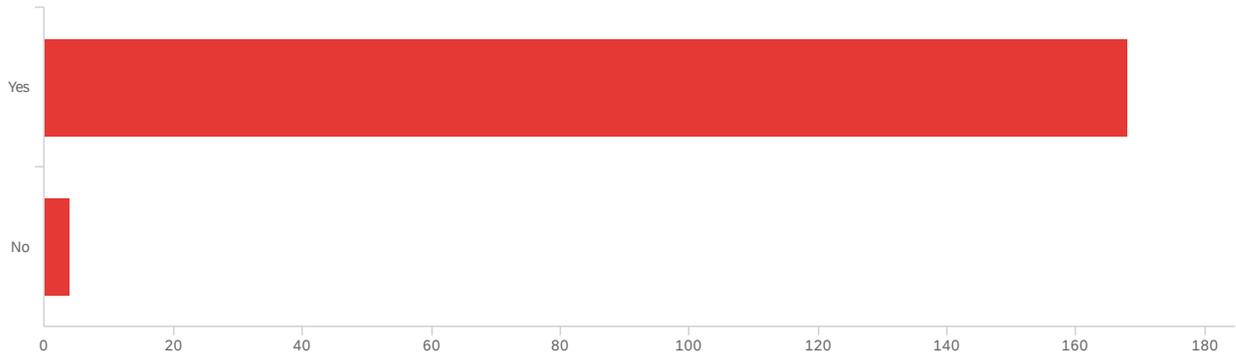
Test

Assessment of environmental risks for proactive laboratory management.

March 15, 2021 7:17 AM MDT

Q1 - Researchers at Cranfield University request your participation in a study into environmental risk assessment procedures in university teaching and research laboratories. By taking part in this survey you: 1. confirm you currently or have previously worked or studied in research labs at an academic institution; 2. confirm that you have been informed about this research project and agree to take part; 3. understand that the data provided will be used by Cranfield University for the purpose of research. The data will be stored on the University's network that can only be accessed by authorised users, in line with UK Data Protection Act 2018; 4. understand that the information I provide is anonymized and will not be connected with me in any way and therefore, once submitted, cannot be removed or deleted; 5. understand analytical software will be used to aggregate the results of the research and data will be published in support of the research findings.

Participation in this study is completely voluntary. If you decide not to participate there will not be any negative consequences. Please be aware that if you decide to participate, you may stop participating at any time and you may decide not to answer any specific question." I grant permission for the data generated from this interview to be used in the researcher's publications on this topic.



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
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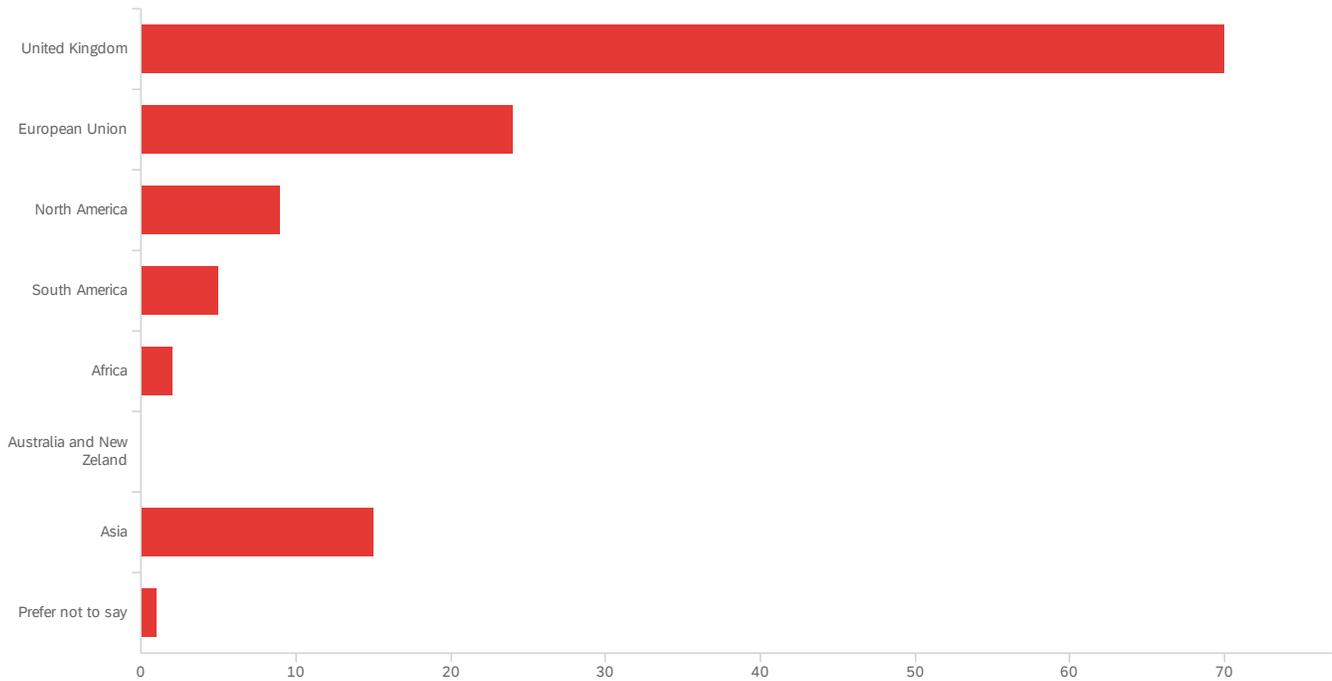
1	<p>Researchers at Cranfield University request your participation in a study into environmental risk assessment procedures in university teaching and research laboratories. By taking part in this survey you:</p> <ol style="list-style-type: none"> confirm you currently or have previously worked or studied in research labs at an academic institution; confirm that you have been informed about this research project and agree to take part; understand that the data provided will be used by Cranfield University for the purpose of research. The data will be stored on the University's network that can only be accessed by authorised users, in line with UK Data Protection Act 2018; understand that the information I provide is anonymized and will not be connected with me in any way and therefore, once submitted, cannot be removed or deleted; understand analytical software will be used to aggregate the results of the research and data will be published in support of the research findings. Participation in this study is completely voluntary. If you decide not to participate there will not be any negative consequences. Please be aware that if you decide to participate, you may stop participating at any time and you may decide not to answer any specific question." I grant permission for the data generated from this interview to be used in the researcher's publications on this topic. 	1.00	2.00	1.02	0.15	0.02	172
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#	Field	Choice Count
1	Yes	97.67% 168
2	No	2.33% 4

172

Showing rows 1 - 3 of 3

Q2 - Where is your academic institution?

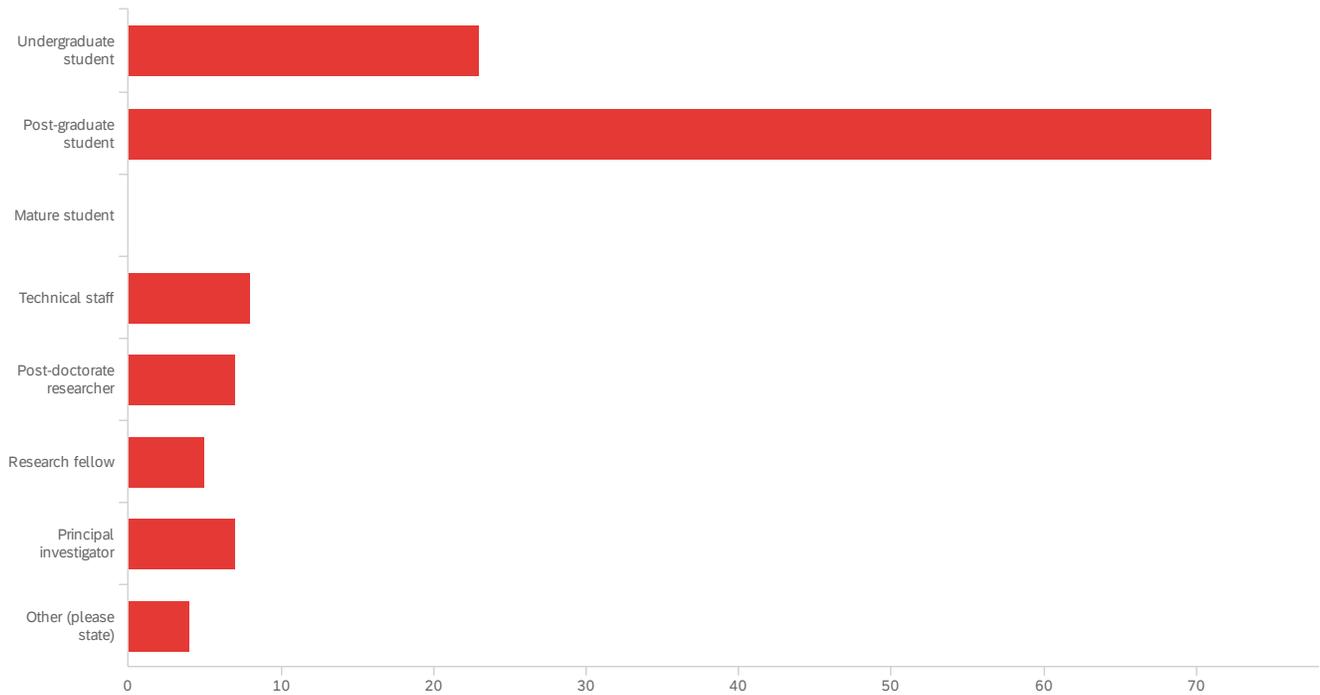


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Where is your academic institution?	1.00	8.00	2.29	2.03	4.11	126

#	Field	Choice Count
1	United Kingdom	55.56% 70
2	European Union	19.05% 24
3	North America	7.14% 9
4	South America	3.97% 5
5	Africa	1.59% 2
6	Australia and New Zealand	0.00% 0
7	Asia	11.90% 15
8	Prefer not to say	0.79% 1

126

Q3 - What is/was your role?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	What is/was your role? - Selected Choice	1.00	8.00	2.74	1.89	3.58	125

#	Field	Choice Count
1	Undergraduate student	18.40% 23
2	Post-graduate student	56.80% 71
3	Mature student	0.00% 0
4	Technical staff	6.40% 8
5	Post-doctorate researcher	5.60% 7
6	Research fellow	4.00% 5
7	Principal investigator	5.60% 7
8	Other (please state)	3.20% 4

Q3_8_TEXT - Other (please state)

Other (please state)

student

Both undergrad/Primary Researcher

Lecturer

Assistant Professor

Q4 - What is your research area?

What is your research area?

Biomedical Science

Social Psychology

Pyschiatric

New Technology

Commerce

Gender and Human sexuality

Defence

psychology

Psychology

Greenhouse Gases

brain

Energetic Materials

Antimicrobial Resistance

Tourism

Philippines

Human Resources Management

Recreation and Tourism

Energetic Materials

groundwaters

metal ecotoxicology

Biological Chemistry/Synthetic Biology

Soil microbiology

What is your research area?

Explosive ordnance engineering

Water, Energy and the Environment

Life-Cycle Assessment

Synthetic Biology

Environmental Science

Cancer and Genetics

Civil engineering materials, water and sanitation, environment

Forensic Science

Military vehicle technology

shaking things to bits

Explosive Ordnance Engineering

Explosive ordnance

Microbiology

Engineering

Biomaterials

Chemistry

Chemistry, Sensing, Micro- and nanotechnology

Bioelectrocatalysis

Palaeontology

Palaeoecology

Geology

Geology

Ambiental Analyses

Material Science

What is your research area?

Catalysis

Marine environmental science

Additive manufacturing

Antimicrobial Proteins (Medicinal Chemistry)

Life Sciences

Software Engineering

Friendship and happiness

Happiness

chemistry

civil engineering

Communication

Software

Engineering

Sport Development

Defence

Explosive Ordnance Engineering (EOE)

marketing

Coordination Polymers

Physics

Organic Chemistry and NMR spectroscopy

Environmental Microbiology

Investigation into the environmental fate of the combined Insensitive High Explosive constituents 2,4-dinitroanisole (DNAN), 1-nitroguanidine (NQ) and nitrotriazolone (NTO) in soil

Explosives

Molecular ecology

What is your research area?

EOE

Energy and environmental studies

Bioengineering

Explosive chemistry

Analytical chem

Explosives Engineering

Explosives Ordnance Engineering

Polymers

Chemistry

Explosives Ordnance Engineering and Chemical Engineering

Blast effects of explosives on structures

Chemistry

Explosive Ordnance Engineering

Organic chemistry

biomaterials in nerve regeneration

Nanomaterials

Environmental microbiology

Chemistry

Environmental pollution/ biologist

Bioelectrocatalysis

Chemistry

molecular plant biology

Chemistry

Ageochemistry

What is your research area?

Plant molecular Biology

Organic chemistry

Atmospheric Physics

Agricultural chemistry

Conservation genomics

Geochemistry

Determining the fate of microplastics in riverbeds

Palaeoceanography

Microbiology

Paleoclimatology

Glaciology

Ecology

Environmental Science

Ecotoxicology

Environmental chemistry & microbiology

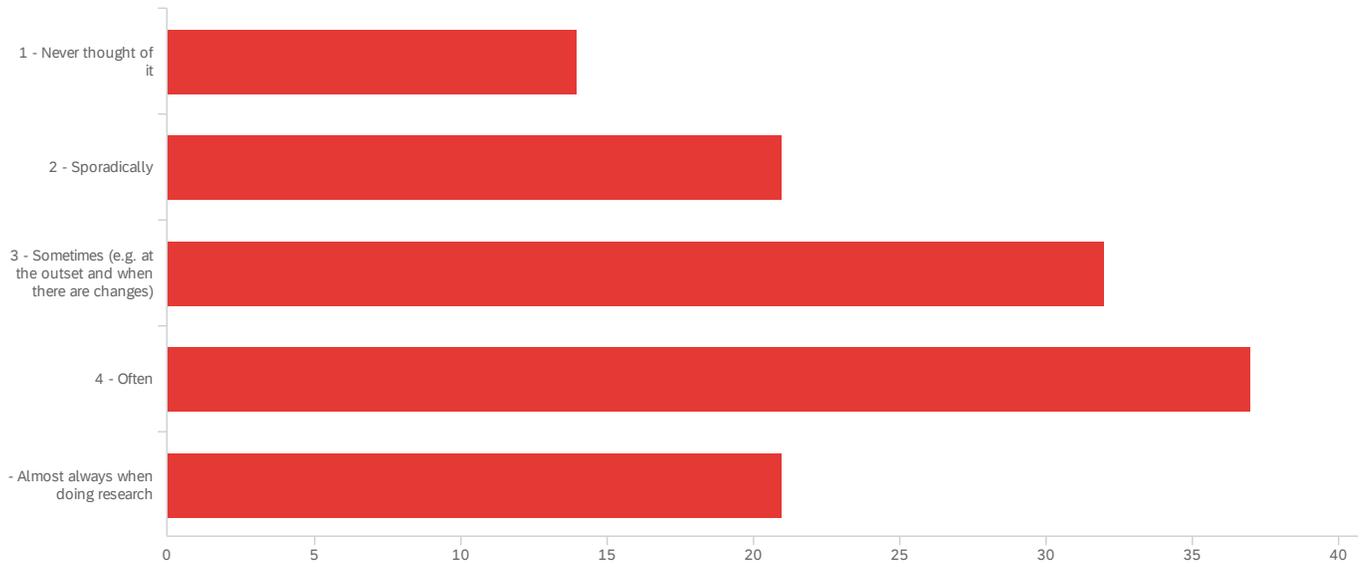
Physics

ahah

daa

ad

Q5 - On a scale of 1-5 how often do you consider the impact of your research on the environment?

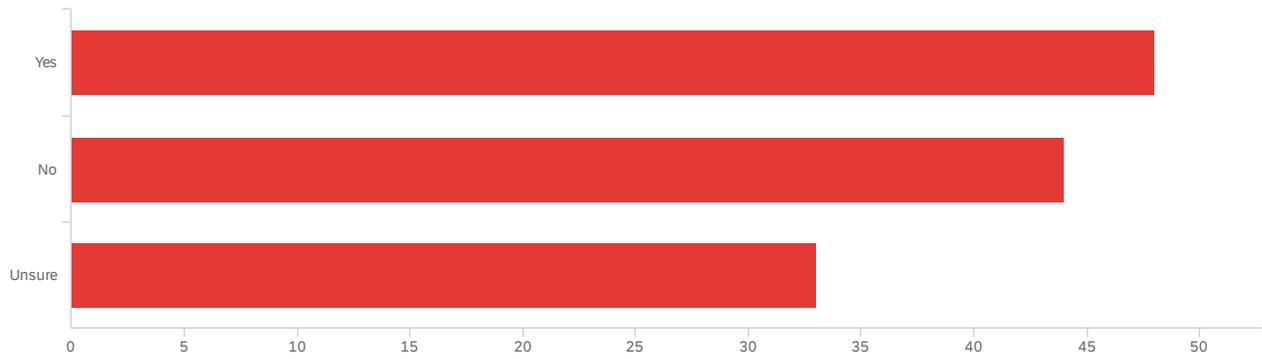


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	On a scale of 1-5 how often do you consider the impact of your research on the environment?	1.00	5.00	3.24	1.24	1.53	125

#	Field	Choice Count
1	1 - Never thought of it	11.20% 14
2	2 - Sporadically	16.80% 21
3	3 - Sometimes (e.g. at the outset and when there are changes)	25.60% 32
4	4 - Often	29.60% 37
5	5 - Almost always when doing research	16.80% 21
		125

Showing rows 1 - 6 of 6

Q6 - Does your organization provide environmental management training?



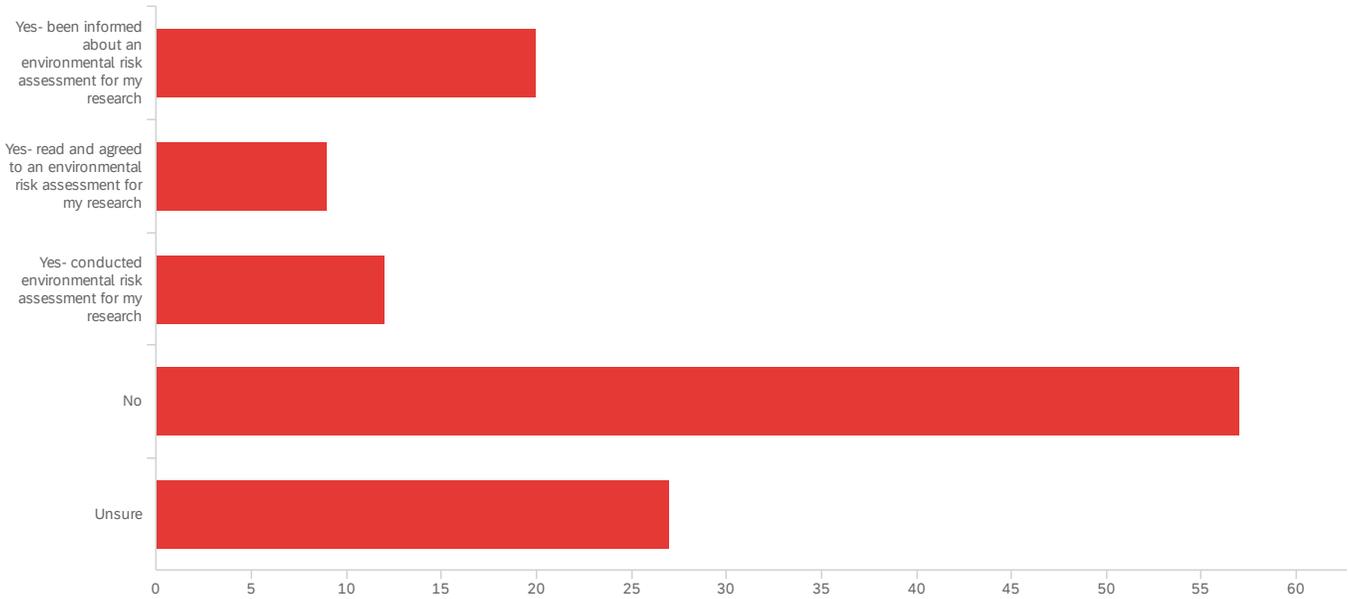
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Does your organization provide environmental management training?	1.00	3.00	1.88	0.80	0.63	125

#	Field	Choice Count
1	Yes	38.40% 48
2	No	35.20% 44
3	Unsure	26.40% 33
		125

Showing rows 1 - 4 of 4

Q7 - Does your institute require you to fill out or read a formal Environmental Risk

Assessment before starting an experiment/procedure?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Does your institute require you to fill out or read a formal Environmental Risk Assessment before starting an experiment/procedure?	1.00	5.00	3.50	1.34	1.79	125

#	Field	Choice Count
1	Yes- been informed about an environmental risk assessment for my research	16.00% 20
2	Yes- read and agreed to an environmental risk assessment for my research	7.20% 9
3	Yes- conducted environmental risk assessment for my research	9.60% 12
4	No	45.60% 57
5	Unsure	21.60% 27
		125

Showing rows 1 - 6 of 6

Q8 - Do you know why not?

Do you know why not?

Cause there are not norms about it in the institution

No

No clue

no

no

not much

It's doesn't come in our line of work.

I don't know.

I do not know

the environment is very much involved

experiments are usually considered safe and with minimal impacts

No standardized procedure or software platform to manage it.

We are less than a leading light in such things

Too many researchers going on and hence overwhelming to the regulators.

No

No

Likely because environmental risk is more often addressed at higher levels, with lower levels incorporating environmental risks into process risk assessments.

No

no

no

no

I guess It was enough with getting explanation about the safety rules

Do you know why not?

Not sure

They give no fucks?

No

They do not really concern about it. Probably too much work/expensive for them. Probably also, some research may be surprisingly bad for the environment and there is not interest to highlight that.

No

No

no

Believe it is included in general risk assessment

hi

Too many other health and safety forms to fill out ?

no

Not really in the scope of the research as I don't have field work confirmed yet

because my experiments don't have a big environmental impact

no

No

No

No, I don't

no

No

No

No

I don't believe this is a requirement/something our institution has thought about

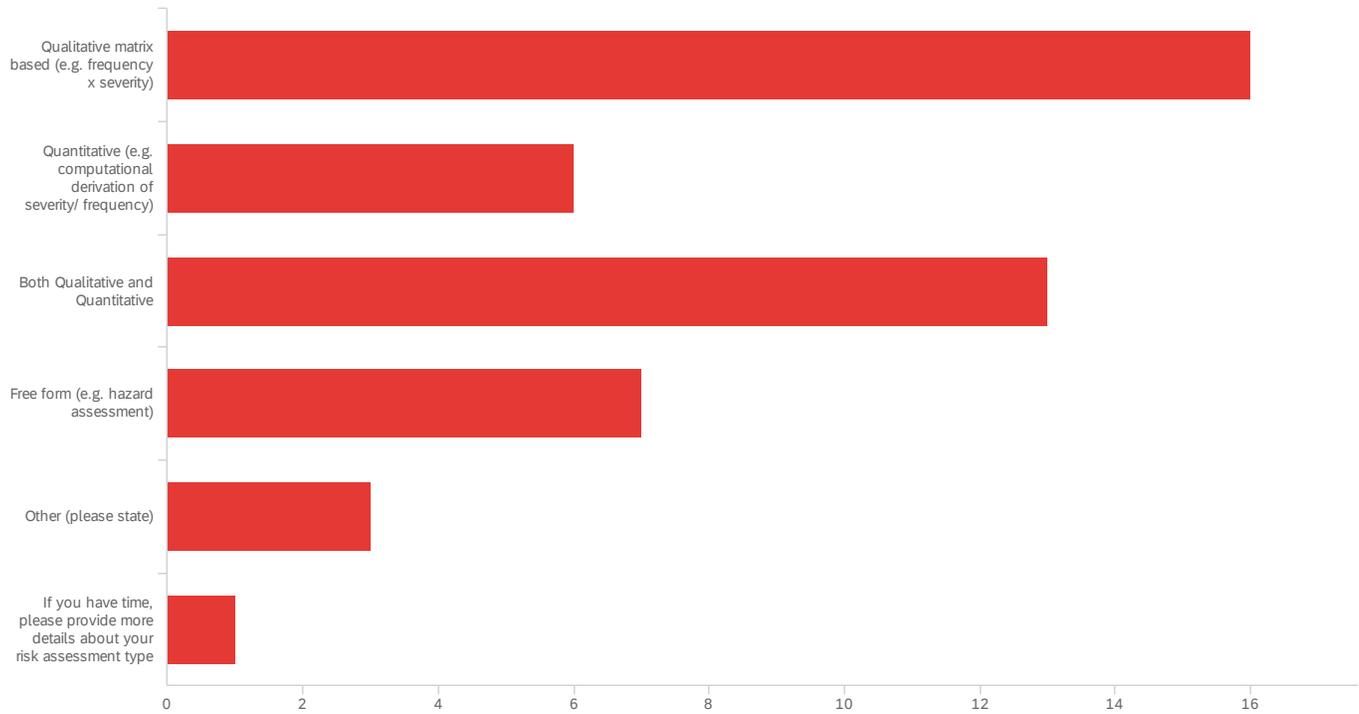
no

There are elements of environmental protection in the risk assessment process but the focus is on safety

Do you know why not?

no

Q9 - What type of environmental risk assessment process is undertaken at your institute?



#	Field	Choice Count
1	Qualitative matrix based (e.g. frequency x severity)	34.78% 16
2	Quantitative (e.g. computational derivation of severity/ frequency)	13.04% 6
3	Both Qualitative and Quantitative	28.26% 13
4	Free form (e.g. hazard assessment)	15.22% 7
5	Other (please state)	6.52% 3
6	If you have time, please provide more details about your risk assessment type	2.17% 1

46

Showing rows 1 - 7 of 7

Q9_5_TEXT - Other (please state)

Other (please state)

Not sure

Other (please state)

Unsure

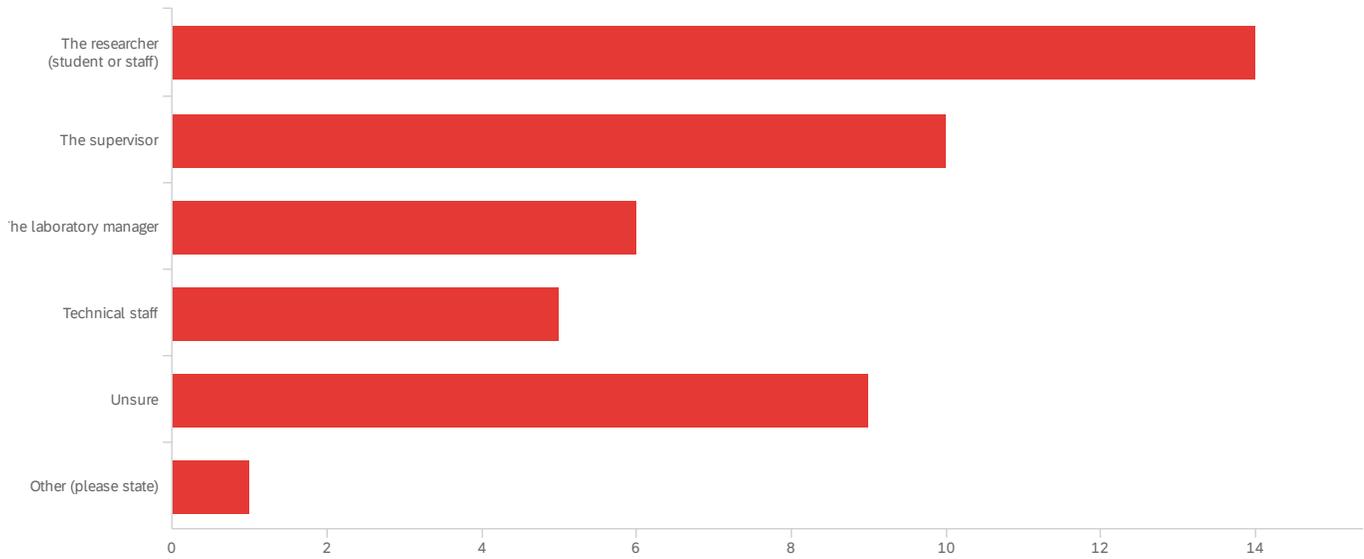
Don't know

Q9_6_TEXT - If you have time, please provide more details about your risk assessment ty...

If you have time, please provide more details about your risk assessment ty...

Yes

Q10 - In your institute, who is responsible for completing or undertaking the environmental risk assessment?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	In your institute, who is responsible for completing or undertaking the environmental risk assessment? - Selected Choice	1.00	6.00	2.73	1.58	2.51	45

#	Field	Choice Count
1	The researcher (student or staff)	31.11% 14
2	The supervisor	22.22% 10
3	The laboratory manager	13.33% 6
4	Technical staff	11.11% 5
5	Unsure	20.00% 9
6	Other (please state)	2.22% 1

45

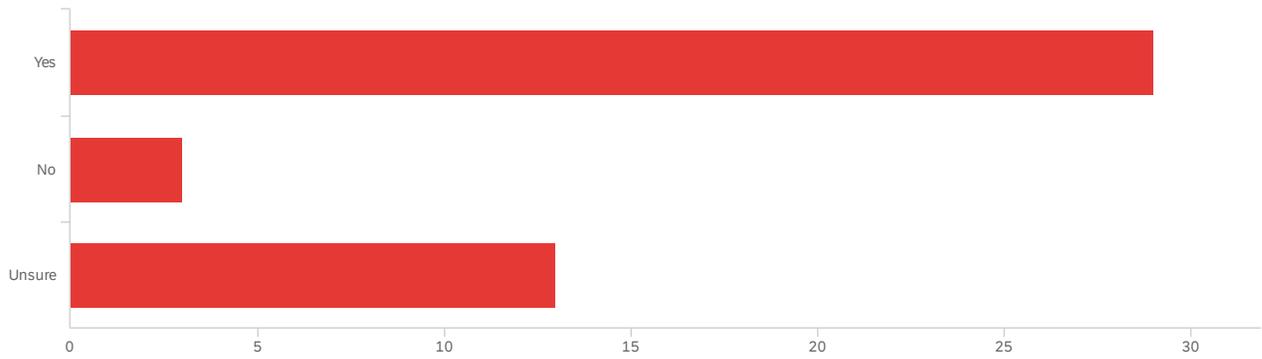
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Q10_6_TEXT - Other (please state)

Other (please state)

Multiple - the researcher, the lab manager and technical staff

Q11 - Does your environmental risk assessment require authorisation or approval?

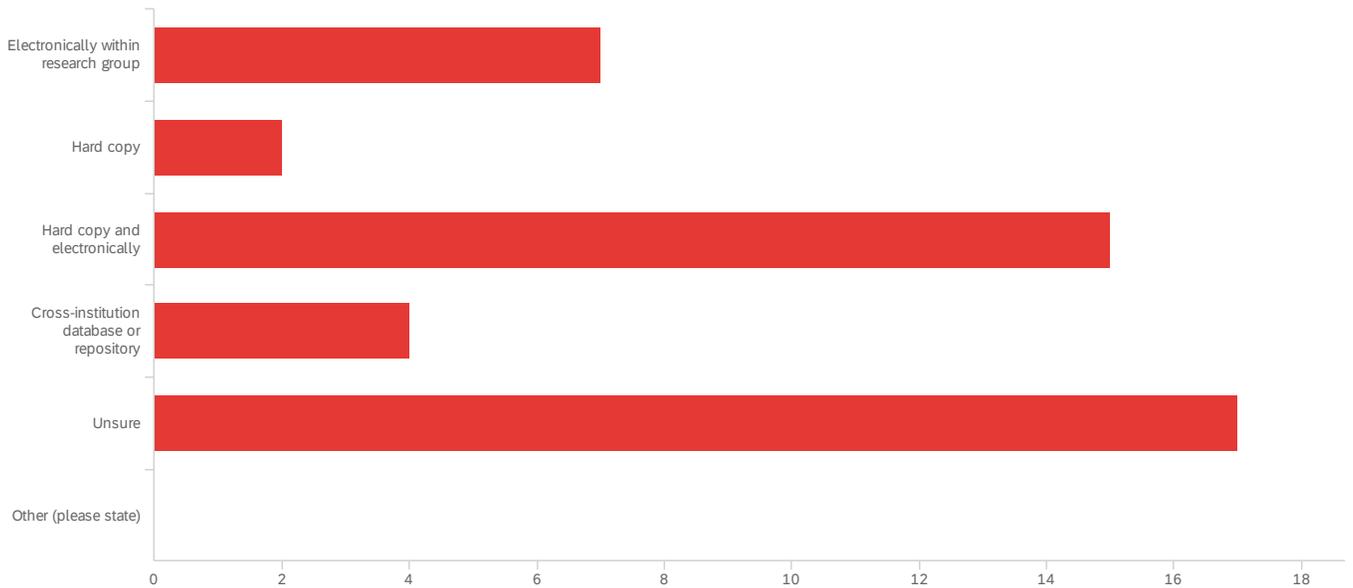


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Does your environmental risk assessment require authorisation or approval?	1.00	3.00	1.64	0.90	0.81	45

#	Field	Choice Count
1	Yes	64.44% 29
2	No	6.67% 3
3	Unsure	28.89% 13
		45

Showing rows 1 - 4 of 4

Q12 - How are environmental risk assessments stored at your institution?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How are environmental risk assessments stored at your institution? - Selected Choice	1.00	5.00	3.49	1.42	2.03	45

#	Field	Choice Count
1	Electronically within research group	15.56% 7
2	Hard copy	4.44% 2
3	Hard copy and electronically	33.33% 15
4	Cross-institution database or repository	8.89% 4
5	Unsure	37.78% 17
6	Other (please state)	0.00% 0

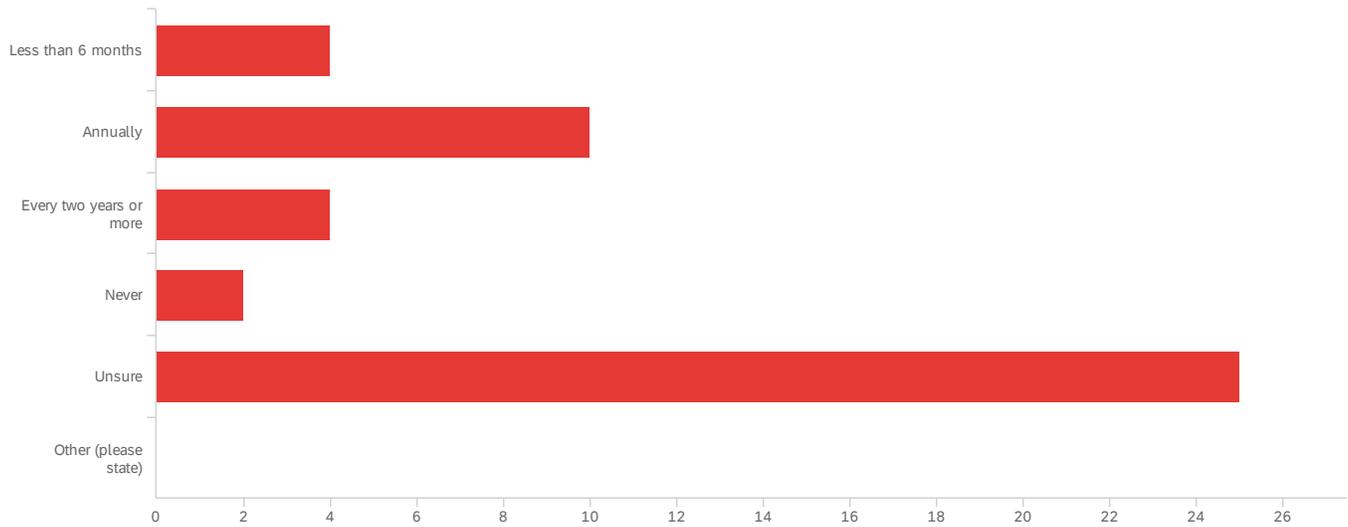
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Q12_6_TEXT - Other (please state)

Other (please state)

Q13 - How often are environmental risk assessments reviewed at your institution?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How often are environmental risk assessments reviewed at your institution? - Selected Choice	1.00	5.00	3.76	1.51	2.27	45

#	Field	Choice Count
1	Less than 6 months	8.89% 4
2	Annually	22.22% 10
3	Every two years or more	8.89% 4
4	Never	4.44% 2
5	Unsure	55.56% 25
6	Other (please state)	0.00% 0

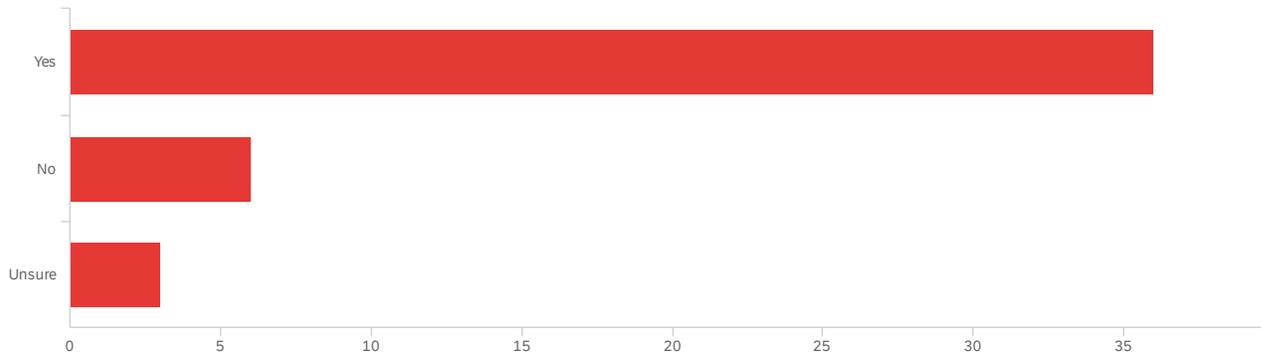
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Q13_6_TEXT - Other (please state)

Other (please state)

Q14 - If an environmental incident or accident occurred in your research laboratory, do you know who to report to?

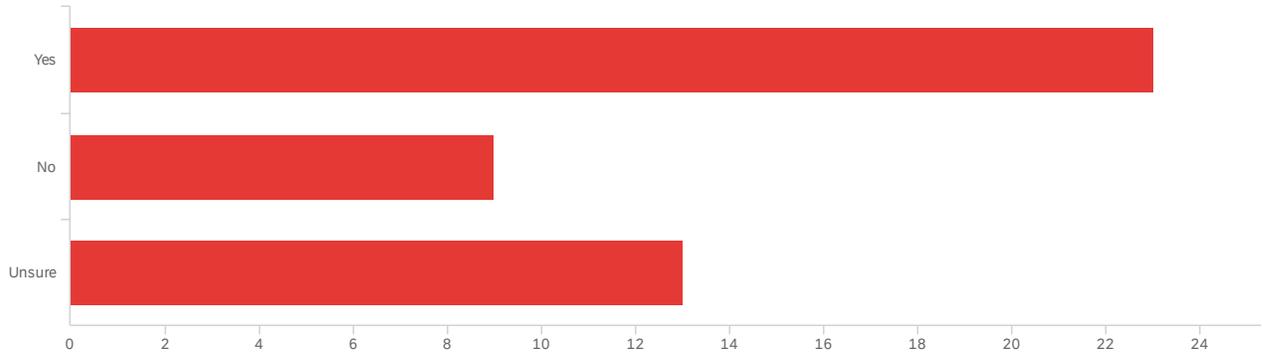


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	If an environmental incident or accident occurred in your research laboratory, do you know who to report to?	1.00	3.00	1.27	0.57	0.33	45

#	Field	Choice Count
1	Yes	80.00% 36
2	No	13.33% 6
3	Unsure	6.67% 3
		45

Showing rows 1 - 4 of 4

Q15 - Does your institute provide training for how to write or conduct an Environmental Risk Assessment?

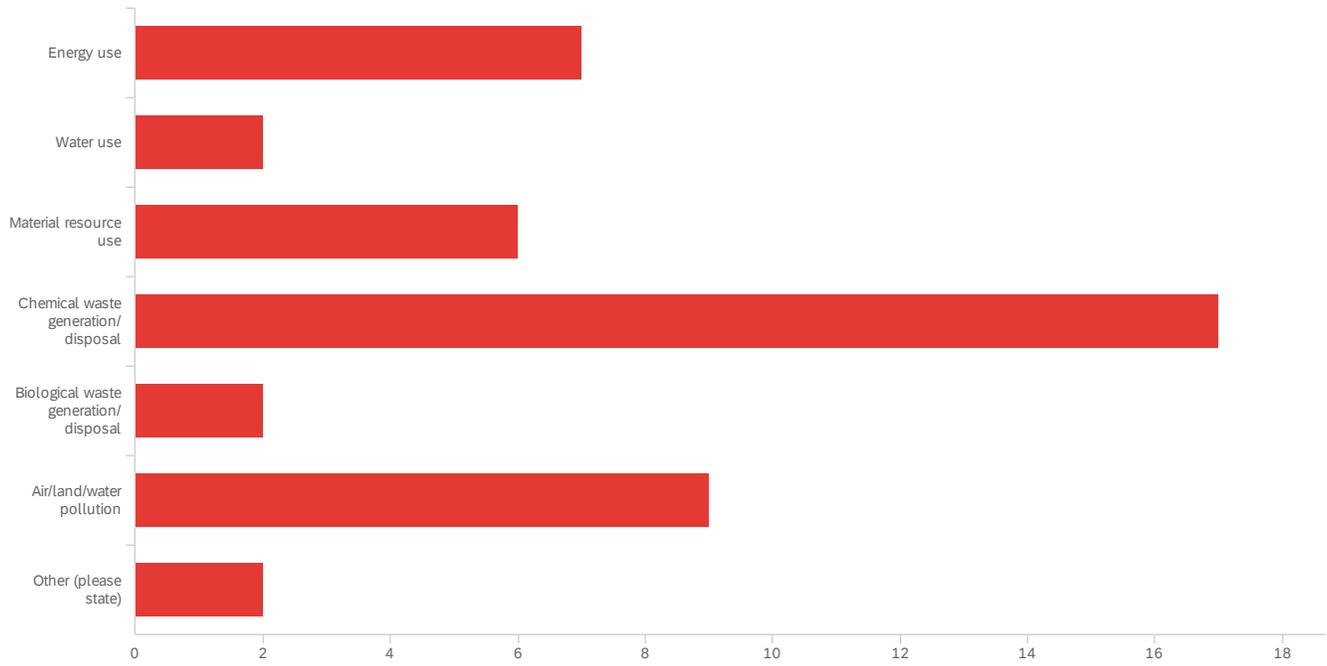


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Does your institute provide training for how to write or conduct an Environmental Risk Assessment?	1.00	3.00	1.78	0.87	0.75	45

#	Field	Choice Count
1	Yes	51.11% 23
2	No	20.00% 9
3	Unsure	28.89% 13
		45

Showing rows 1 - 4 of 4

Q16 - In your opinion, what is the most significant environmental impact of your research?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	In your opinion, what is the most significant environmental impact of your research? - Selected Choice	1.00	7.00	3.89	1.72	2.94	45

#	Field	Choice Count
1	Energy use	15.56% 7
2	Water use	4.44% 2
3	Material resource use	13.33% 6
4	Chemical waste generation/ disposal	37.78% 17
5	Biological waste generation/ disposal	4.44% 2
6	Air/land/water pollution	20.00% 9
7	Other (please state)	4.44% 2
		45

Q16_7_TEXT - Other (please state)

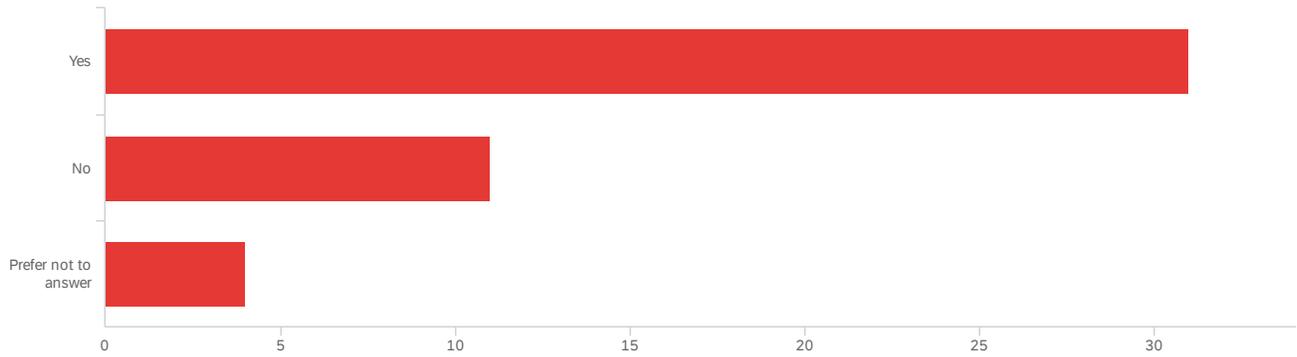
Other (please state)

No impact

Noise

Q17 - Do you think the environmental risk assessment processes in place at your

institution satisfactorily prevents or minimizes the impact on the environment from your research?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Do you think the environmental risk assessment processes in place at your institution satisfactorily prevents or minimizes the impact on the environment from your research?	1.00	3.00	1.41	0.65	0.42	46

#	Field	Choice Count
1	Yes	67.39% 31
2	No	23.91% 11
3	Prefer not to answer	8.70% 4
		46

Showing rows 1 - 4 of 4

Q18 - If no, please let us know how you think the environment risk assessment process could be improved.

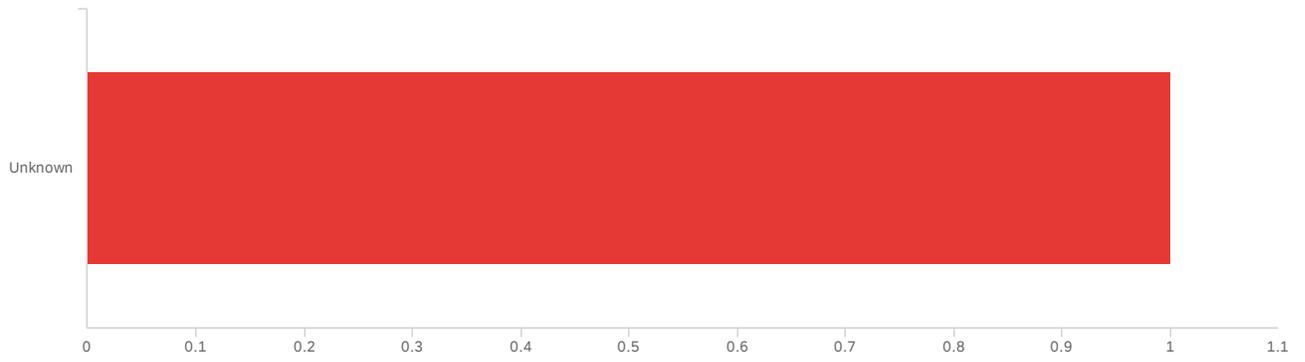
If no, please let us know how you think the environment risk assessment pro...

Improve awareness among researchers/students.

We do risk assessments. Environmental never considered by itself. Nothing prevents bad practice of chemical waste mud management. Only personal integrity.

More awareness and consideration, like there is with safety

Q9_6_TEXT - Topics



#	Field	Choice Count
Unknown	Unknown	100.00% 1

Showing rows 1 - 1 of 1

Q9_6_TEXT - Parent Topics


No results to show


No results to show

End of Report