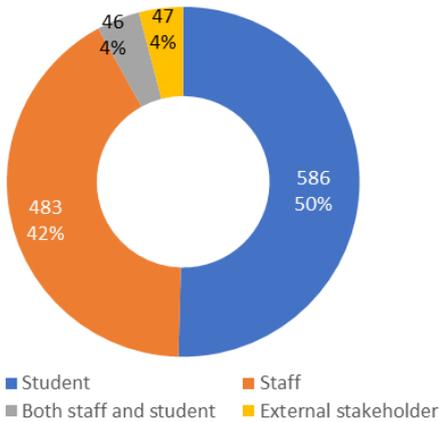


Materiality Assessment:

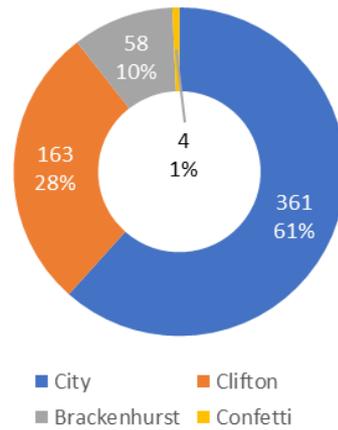
Two postgraduate students undertook a work placement with the Sustainable Development Team over the summer in 2018, carrying out a materiality assessment. The electronic surveys received 1162 respondents (Figure 1), and 11 internal and external stakeholders were interviewed. The survey respondents include 586 students, equivalent to almost 2% of the NTU student population and roughly mirroring the total student split at each campus. The survey was sent to all students and staff, thus is more likely to have a representative sample than if only promoted to those already engaged with sustainability. This document outlines the responses from the student responses only and all responses.

Figure 1: Mix of responses to survey

Are you a student, a member of staff or an external stakeholder?



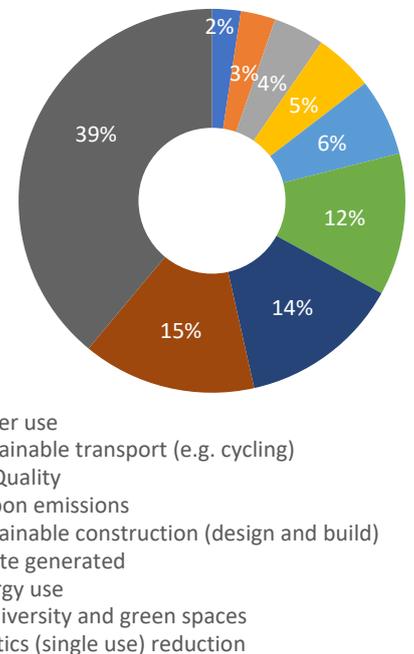
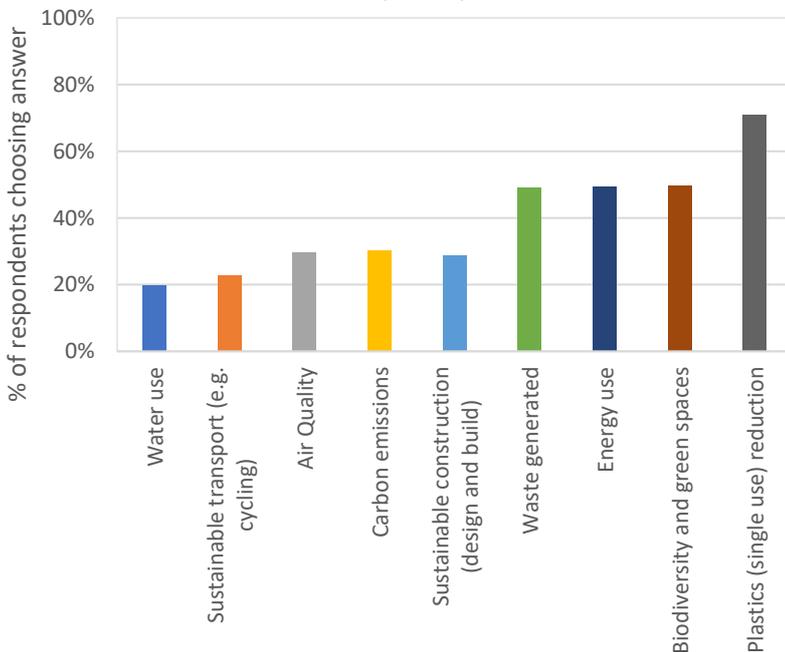
At which campus are you mainly based?



Students: Environmental Issues

Bar graph - Which environmental topic(s) do you consider most important for NTU to address?

Pie chart - Which environmental topic do you think should be NTU's main priority?

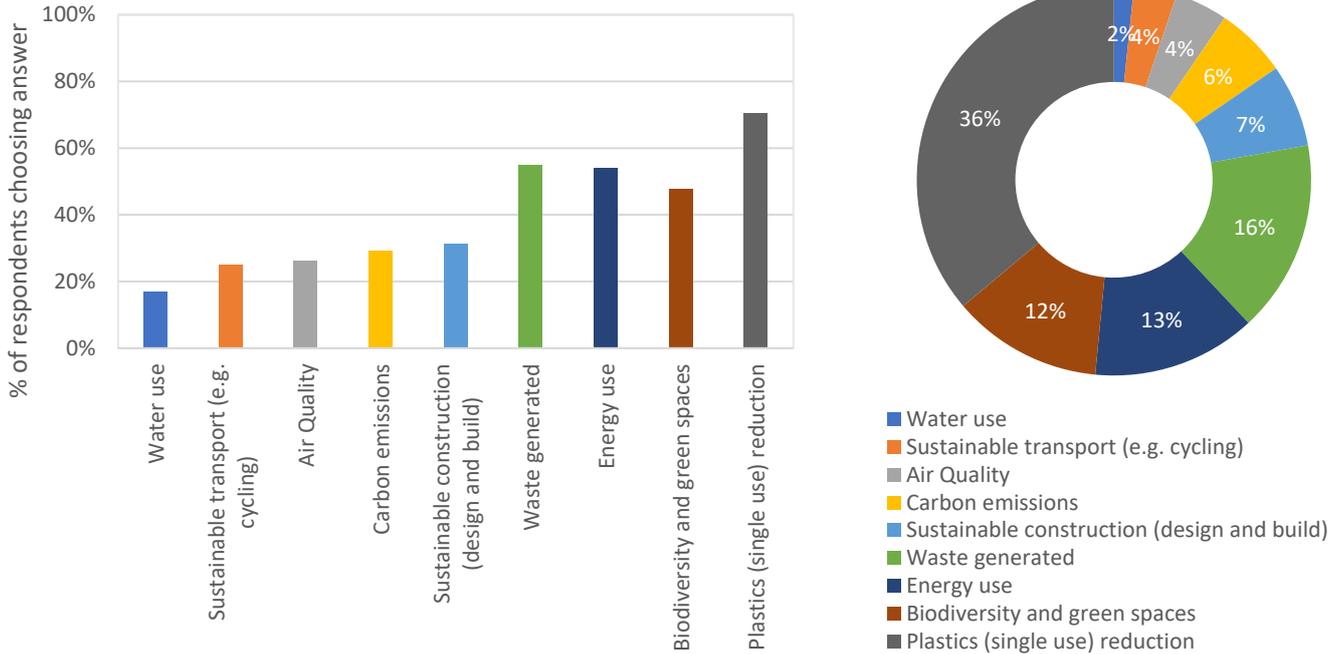


Over 7 out of 10 students selected single-use plastic reduction as an important environmental topic for NTU to address, with almost 4 out of 10 students selecting it as what they think NTU's main priority should be. This option was chosen over 2.5 times more than any other option. 1 in 2 students selected biodiversity and green spaces, energy use, and waste generated as important topics for NTU to address and scored next highest for what should be NTU's main priority (15%, 14% and 12% respectively).

All respondents: Environmental Issues

Bar graph - Which environmental topic(s) do you consider most important for NTU to address?

Pie chart - Which environmental topic do you think should be NTU's main priority?

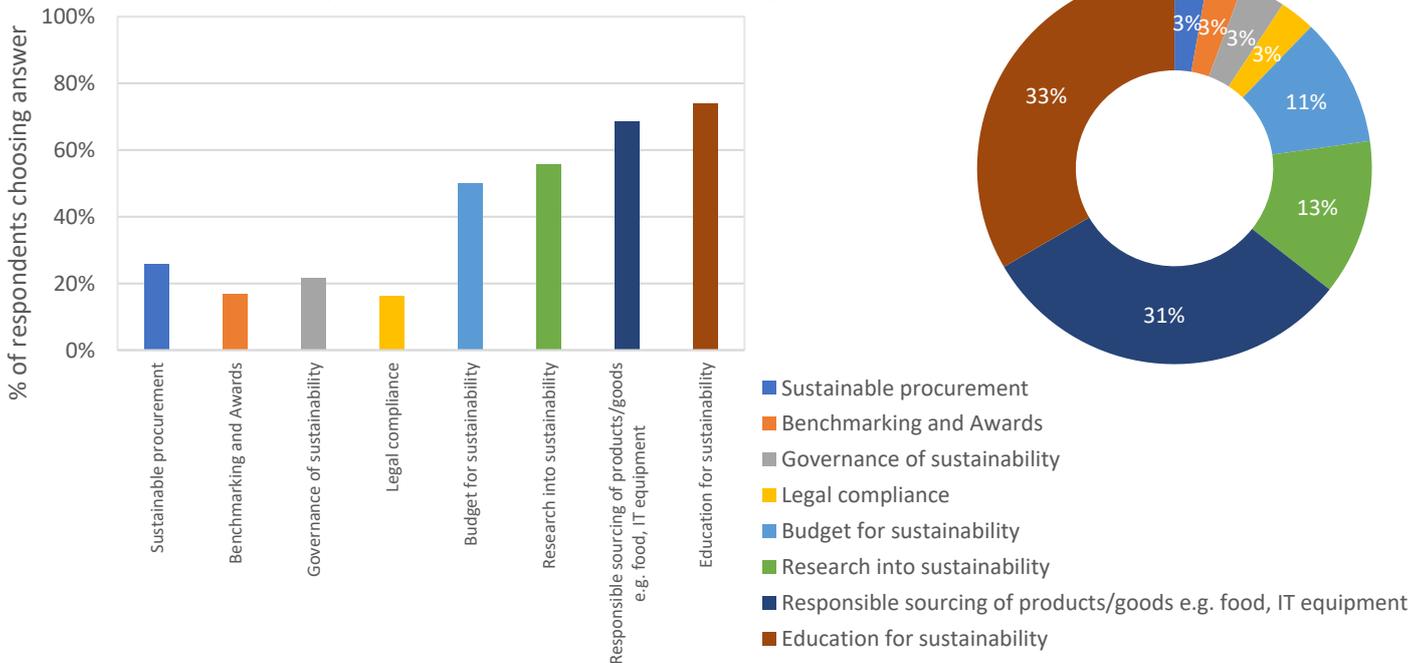


Similar to the student results, 7 out of 10 of all respondents selected reduction of single-use plastics as an important environmental topic for NTU to address, and over one third of respondents thought it should be NTU's main priority from the options. Waste generated, energy use, and biodiversity and green spaces are again the next highest after plastics, with close to 1 in 2, or just over, also selecting these as the most important issues for NTU to address and scored the next highest for which should be NTU's main priority (16%, 13% and 12% respectively).

Students: Economic Issues

Bar graph - Which economic topic(s) do you consider most important for NTU to address?

Pie chart - Which economic topic do you think should be NTU's main priority?

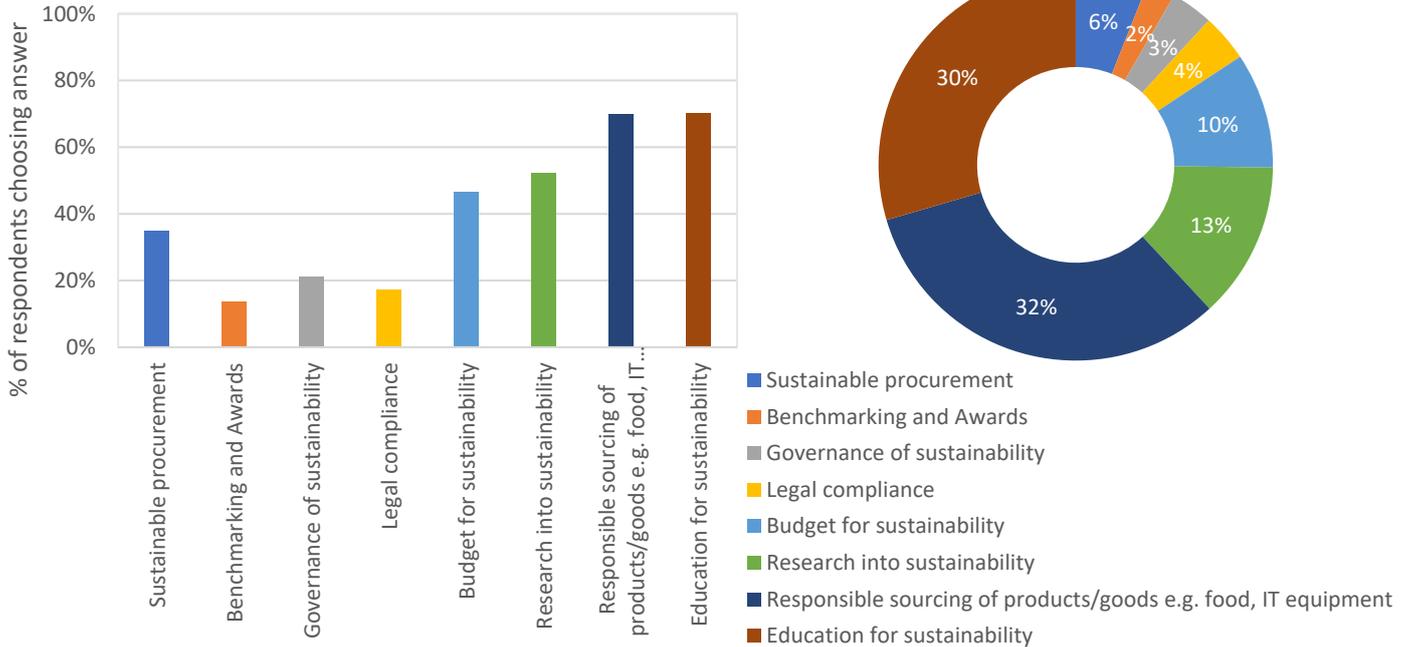


Several options had more than 1 in 2 students selecting it as an important economic topic for NTU to address: education for sustainability (74% of respondents), responsible sourcing of products/goods (69%), research into sustainability (56%), and budget for sustainability (50%). Approximately equal numbers of students picked education for sustainability and responsible sourcing of products/goods as what they think should be NTU's main priority, which account for about one third of student responses each.

All respondents: Economic Issues

Bar graph - Which economic topic(s) do you consider most important for NTU to address?

Pie chart - Which economic topic do you think should be NTU's main priority?

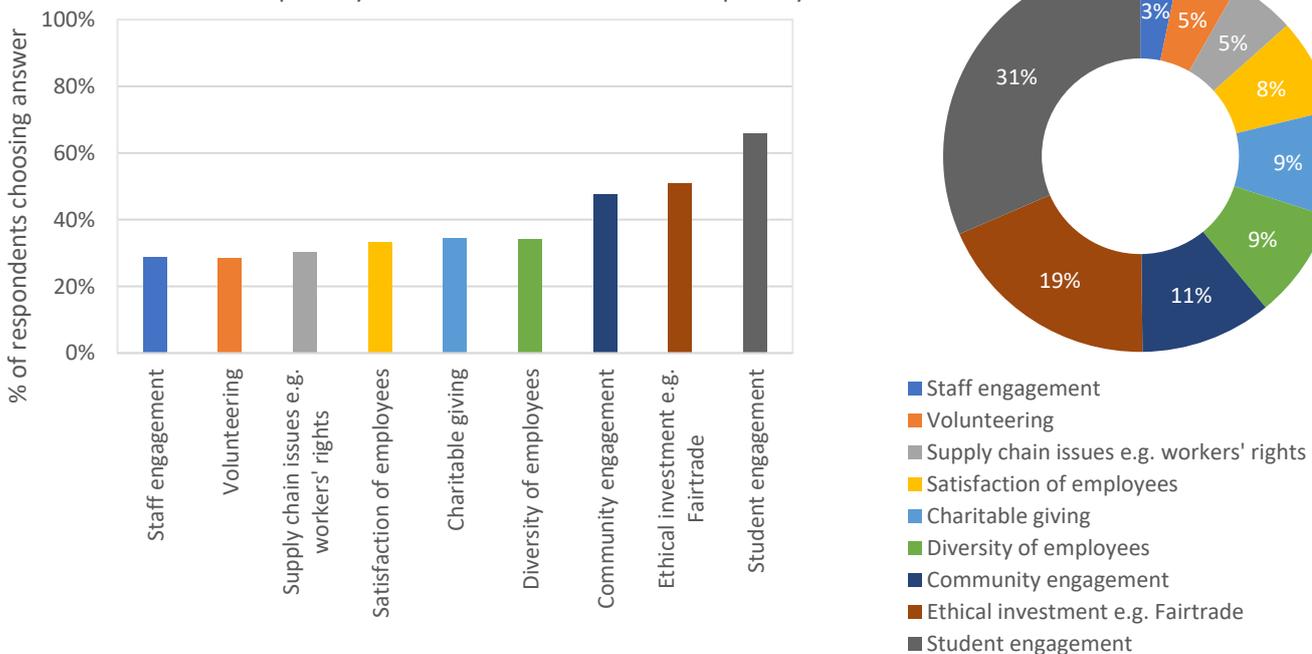


The responses from all respondents for economic issues very closely mirrors that from students only – the four most common issues considered most important for NTU to address are: education for sustainability (70%), responsible sourcing of products/goods (70%), research into sustainability (52%), and budget for sustainability (47%). Again, accounting for almost one third each of total responses are education for sustainability and responsible sourcing of products/goods for what they thought should be NTU's main priority.

Students: Social Issues

Bar graph - Which social topic(s) do you consider most important for NTU to address?

Pie chart - Which social topic do you think should be NTU's main priority?

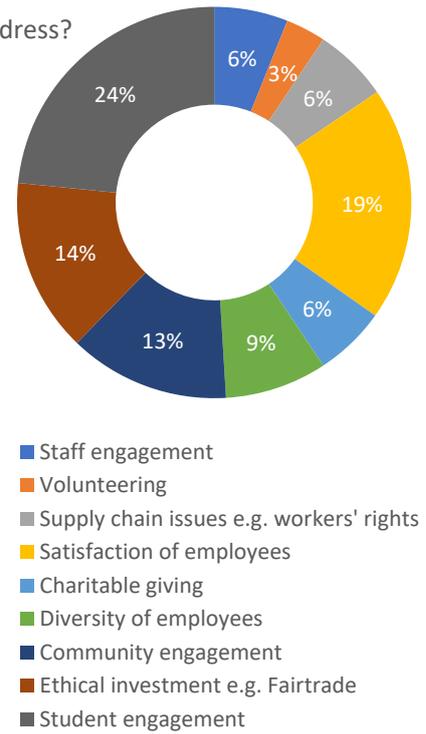
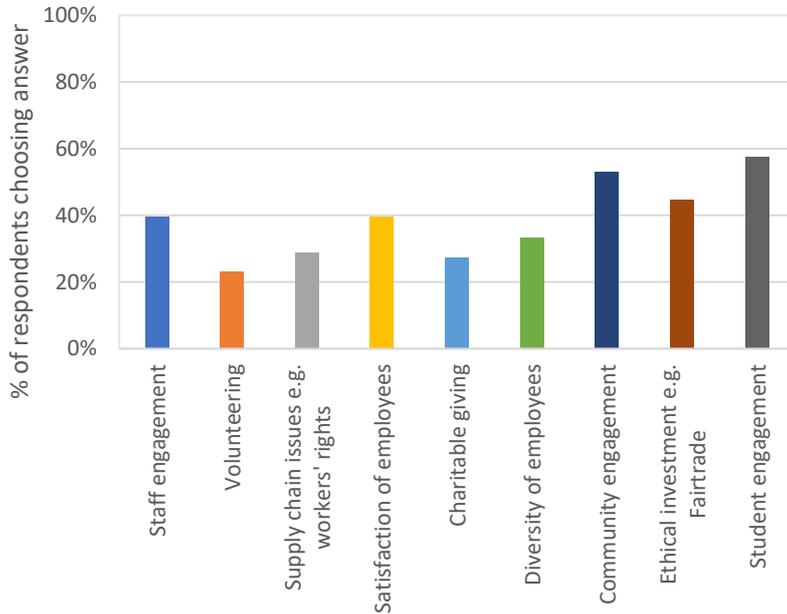


Students consider student engagement to be an important social topic for NTU to address with over 6 out of 10 students picking this option. Almost one third of students also thought this should be NTU's main priority. Over 1 in 2 students also picked ethical investment as important for NTU to address, with almost 1 in 5 students selecting this as what should be NTU's main priority.

All respondents: Social Issues

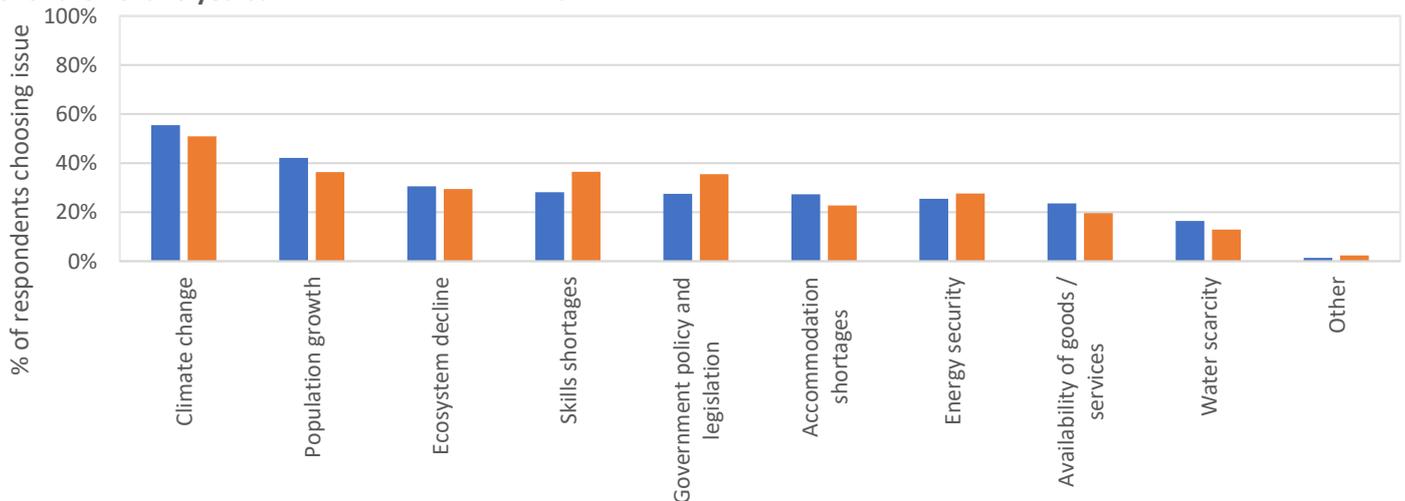
Bar graph - Which social topic(s) do you consider most important for NTU to address?

Pie chart - Which social topic do you think should be NTU's main priority?



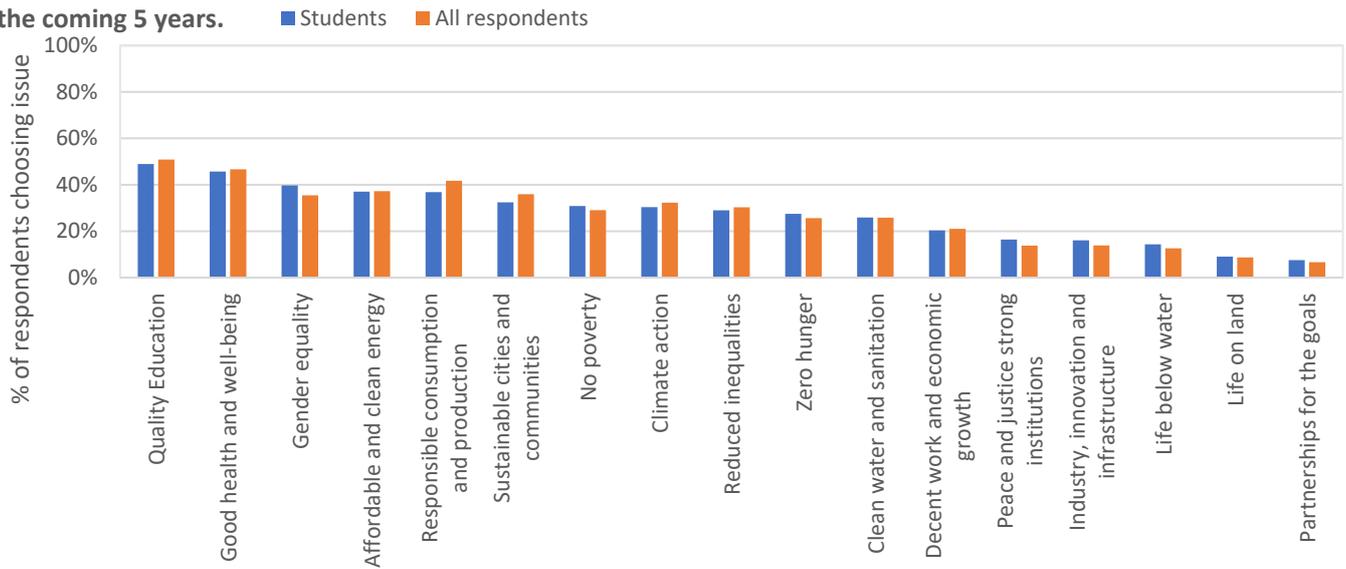
Results from all respondents were more equally spread across the different options, although student engagement still had the most respondents with almost 6 out of 10 selecting it as an important social topic for NTU to address. Community engagement and ethical investment were also popular choices. For which social topic should be NTU's main priority, almost one quarter selected student engagement, followed by almost 1 in 5 selecting satisfaction of employees.

Which of the following issues do you think will be the most important for universities generally over the next 10 years?



Students and all respondents tend to agree on the issues that will be the most important for universities over the next 10 years, with both most frequently selecting climate change (55% and 51% respectively). All respondents then most frequently selected population growth (36%), skills shortages (36%), and government policy and legislation (35%), whilst students selected population growth (42%) and ecosystem decline (31%). Few respondents thought water scarcity would be one of the most important issues for universities generally over the next 10 years, compared to the other options.

SDGs are a set of 17 global sustainability goals released by the United Nations. These are listed below. Please select the most important ones that you feel should be addressed by NTU over the coming 5 years.



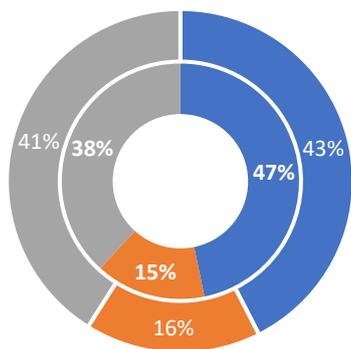
Considering the previous question of the most important issues for universities generally to address over the next 10 years and over 1 in 2 respondents selecting climate change, it is perhaps surprising on this question that 'climate action' has not been picked more frequently (30% of students picked this option, 32% of all respondents). The most common answer is quality education, with about 1 in 2 students and all respondents picking this option. The next most popular option for both students and all respondents was good health and well-being (46% and 47% respectively), followed by gender equality for students (40%) and responsible consumption and production for all respondents (42%).

Interestingly, though neither picked very often, about 1.5 times as many respondents (including students only) picked 'life below water' as 'life on land' for NTU to address over the coming 5 years - this could be a result of the recent Blue Planet II television series and focus on plastics in the media. It is noted, however, that plastics could come under several of the SDGs titles, and rather than discrepancy with earlier questions, other SDGs (e.g. responsible consumption and production) may reflect the plastics concern seen highlighted in other questions.

Would having an NTU sustainability report help you in your work/studies?

Outer ring - all respondents

Inner ring - students



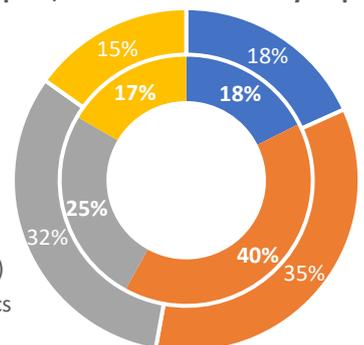
Almost half of students thought having an NTU sustainability report would help in their work/studies, whilst a significant 38% didn't know. A similar trend is seen across all respondents, with 43% thinking a report would be helpful, and 41% unsure.

If NTU was to produce a sustainability report, what media would you prefer?

Outer ring - all respondents

Inner ring - students

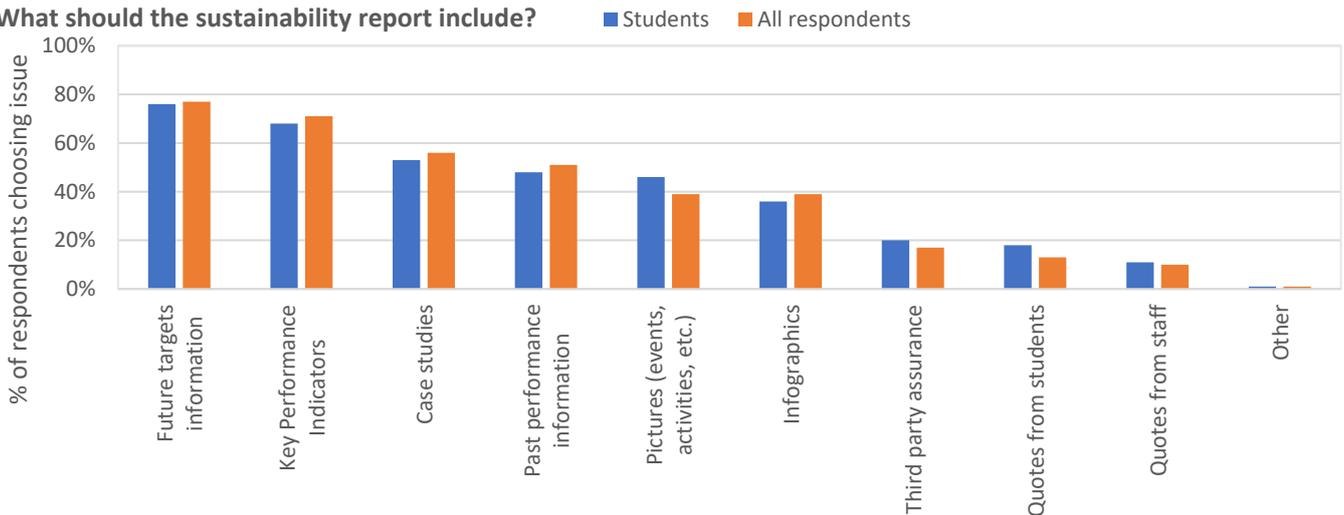
- Stand alone report on website
- Short film (maximum of 8 minutes)
- Summary document of infographics
- Information within the website



Both students (40%) and all respondents (35%) would prefer a sustainability report to be as a short film. For all respondents, a close second was a summary document of infographics (32%), whilst although also the second option for students, this did not score as highly (25%).

Less than 1 in 5 respondents for either students only or all respondents would prefer a standalone report on the website, or information within the website.

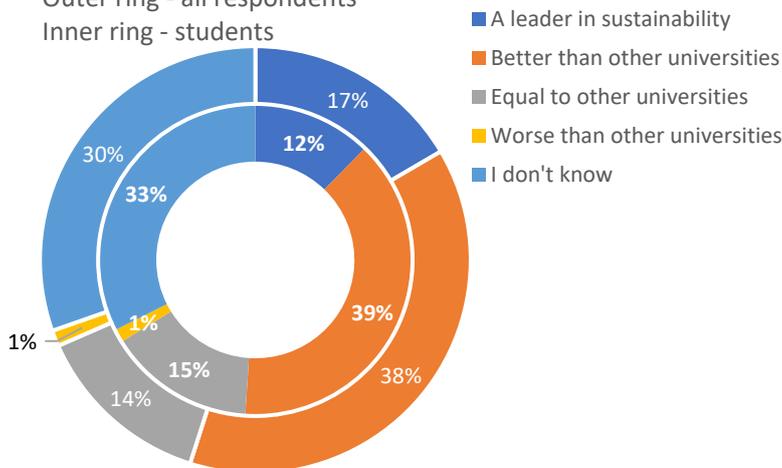
What should the sustainability report include?



The results for the most frequently picked answers for what the sustainability report should include are very similar for both students and all respondents. Over three quarters of both these groups thought the sustainability report should include future targets information. The next most common answer was key performance indicators (68% and 71% respectively), followed by case studies (53% and 55% respectively) and past performance information (48% and 51% respectively). Few of either data set picked third part assurance, and quotes from staff or students. Interestingly, however, both students only, and all respondents more frequently picked quotes from students rather than quotes from staff.

How do you feel NTU's performance in sustainability compares to other universities?

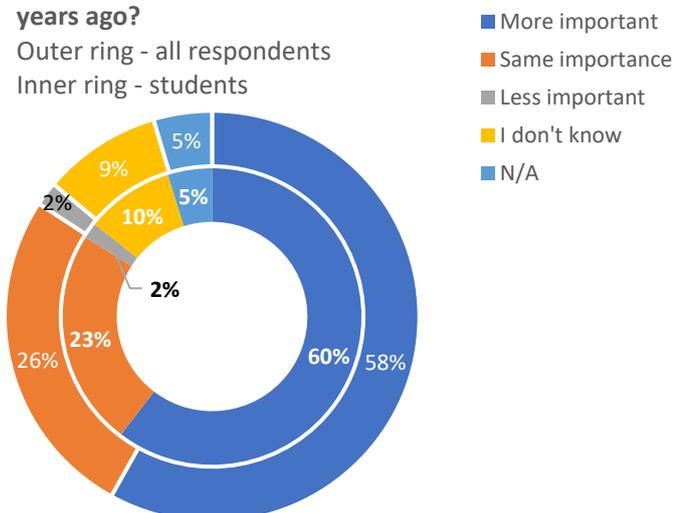
Outer ring - all respondents
Inner ring - students



The results for both students only and all respondents are very similar: both sets have almost 4 out of 10 people thinking NTU's sustainability performance is better than other universities; however almost a third for both sets don't know how NTU's sustainability compares to other universities. This, together with the previous question, may explain why a large proportion of respondents are keen to see information on future targets, KPIs, and past performance to help benchmark NTU's performance. Approximately equal numbers think NTU's sustainability performance is equal to other universities and a leader in sustainability, skewed slightly towards equal performance for students, and a leader from all respondents.

Is sustainability more important or less important in your business / study decisions than it was 3 years ago?

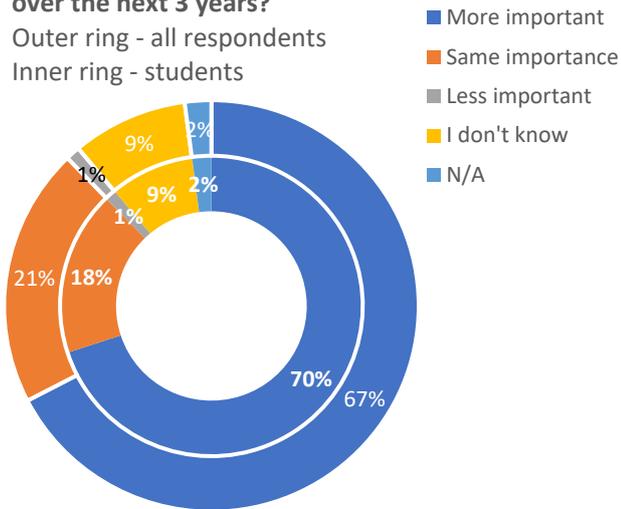
Outer ring - all respondents
Inner ring - students



The results are again very similar for both students only and all respondents. Both have close to 60% answering that sustainability is more important in their business/study decisions than it was three years ago, followed by same importance (about one quarter of respondents). 2% of respondents in both sets thought sustainability was less important in their business/study decisions, and equal proportions also didn't know or thought not applicable.

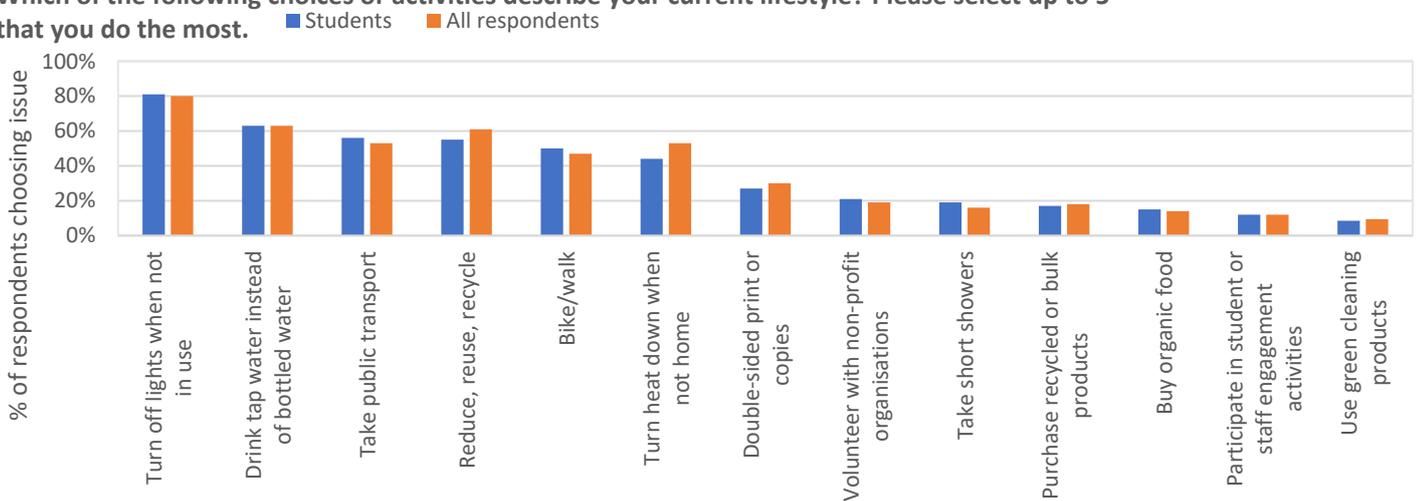
How do you think the importance of sustainability in your business / study decisions will change over the next 3 years?

Outer ring - all respondents
Inner ring - students



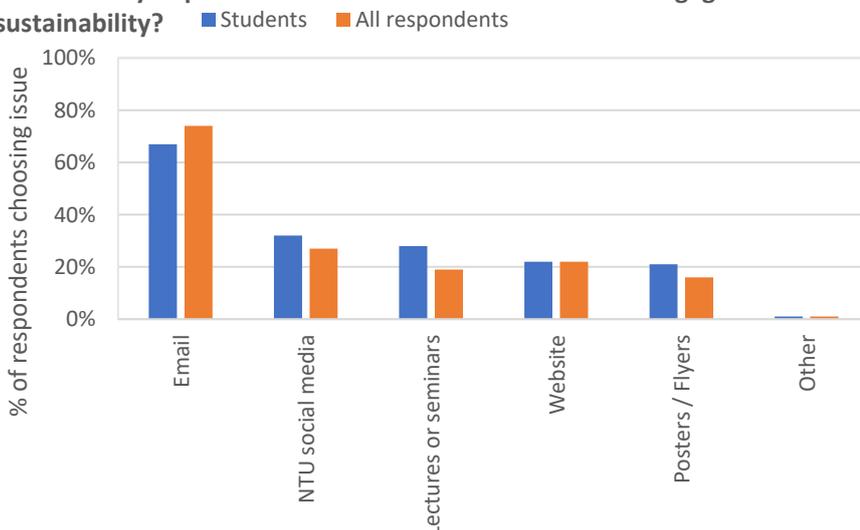
As with the previous question, the answers for both students only and all respondents are very similar for how the importance of sustainability will change to their business/study decisions over the next 3 years. Though close to 60% already thought sustainability was more important in their decision than 3 years ago, close to 70% think it will become even more important. About 20% of both students only and all respondents thought the importance would be the same. Interestingly, the proportion of picking not applicable compared to decisions three years ago and over the next three years has dropped by over half. This may be as a result, particularly for students, who may not have made any study decisions 3 years ago to compare to, of anticipating more business/study decisions to be coming up; or as a result of sustainability actually becoming increasingly important to the individual.

Which of the following choices or activities describe your current lifestyle? Please select up to 5 that you do the most.



Both students and all respondents have most frequently picked similar options for choices or activities that describe their current lifestyle, with turning off the lights when not in use, drinking tap instead of bottled water, taking public transport, and following 'reduce, reuse, recycle' all having more than 1 in 2 respondents. Few respondents picked buying organic food, participating in student or staff engagement activities or using green cleaning products. This may be due to some respondent's interpretation of the question – although respondents may regularly use green cleaning products, they are likely to more often drink water than cleaning, which may have a skewing effect on some of the results seen.

How would you prefer to be notified of student or staff engagement activities related to sustainability?



Both students and all respondents would prefer to be notified of sustainability engagement activities via email (67% and 74% respectively). This option for both data sets was three times more preferable than any other option. Significant numbers of students however would prefer to be notified by NTU social media and lectures (32% and 28% respectively). For all respondents, 27% would like to be notified by social media. Approximately 1 in 5 respondents would like to be notified via the website, and for students via posters/flyers.