

# Assessing climate risk and strengthening resilience for UK Higher Education Institutions

## KEY MESSAGES

- Incorporate climate risk indicators into risk registries as the first step towards acknowledging their importance and identifying and managing existing and anticipated climate risks and priorities for adaptation including consideration of risks to overseas activities.

- Prepare for current and future

This working paper and accompanying [case studies](#) aim to support UK Higher Education Institutions (HEIs) to develop processes to assess their current and future climate risks, put in place plans to adapt to these risks, and identify opportunities to strengthen their resilience. This guidance summarises the latest evidence in line with national climate risk assessment and adaptation planning, and is intended to support

However, resilience has potential to be much more than the ability to cope with climate risks, as it also offers various co-benefits – greener spaces, improved



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## Identifying climate vulnerable receptors

There are many types of climate vulnerable receptor. These can include vulnerable groups of people, critical sites and/or infrastructure, specific activities, animal welfare and habitats. Receptor scales may span from highly localised environments with endangered species, individual rooms and buildings, a campus with student/staff travel routes, through to international supply chains and overseas facilities. Hence, it is important to consider climate risk exposure beyond the physical footprint of the HEI. This may take a few iterations: beginning with a high-level view of climate risks to operations at the institution (such as to teaching, research, student experience), before then evaluating risks to critical assets, specific activities and off-site interests. Moreover, there may be compounding and cascading risks to HEIs – such as when a flood impacts a power supply which, in turn, causes failure of IT systems.

## Referring to climate change scenarios and storylines

Anticipation of climate risks involves imagining plausible scenarios of climate and socio-economic change for exposed receptors. This may draw on information from national climate change scenarios, such as the 2018 UK Climate Projections (UKCP18) of rainfall and temperature (and other weather variables) which can be 'downscaled' at a local level.

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Climate risk	Likelihood level	Consequence level				
		Nu				
Description						



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## SUGGESTIONS FOR ASSESSING RISK AND STRENGTHENING RESILIENCE IN UK HEI

Climate risk assessment should bring together

making up the HEI community.

Undertaking a climate risk assessment is as much a technical as social endeavour. Contextualising physical climate hazards using 'storylines' is an important tool in climate risk assessment. These storylines should be developed from

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Stakeholder group	Suggested actions
Communities	



