

Identifying Climate Change Impacts to Key Estate Services

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Business Continuity Approach



- **Critical Functions**

- How does the climate affect this function in your region?
 - Now
 - In the Future
- What are the top risks to this function?
- How can we reduce these risks to an acceptable level?

Example Critical Functions

Learning & Teaching (pedagogy, quality, currency and relevance)

Research

Estates and Infrastructure

Student Recruitment / Market

IT Infrastructure and Systems

People and Wellbeing

Commercial Services (e.g. catering)

Commercial Ventures / Partnerships

Critical Events, such as examinations and graduation

Purpose

Help you to see how to use a Business Impact Analysis format to identify what the business impact of climate change will be on the key functions of your institution

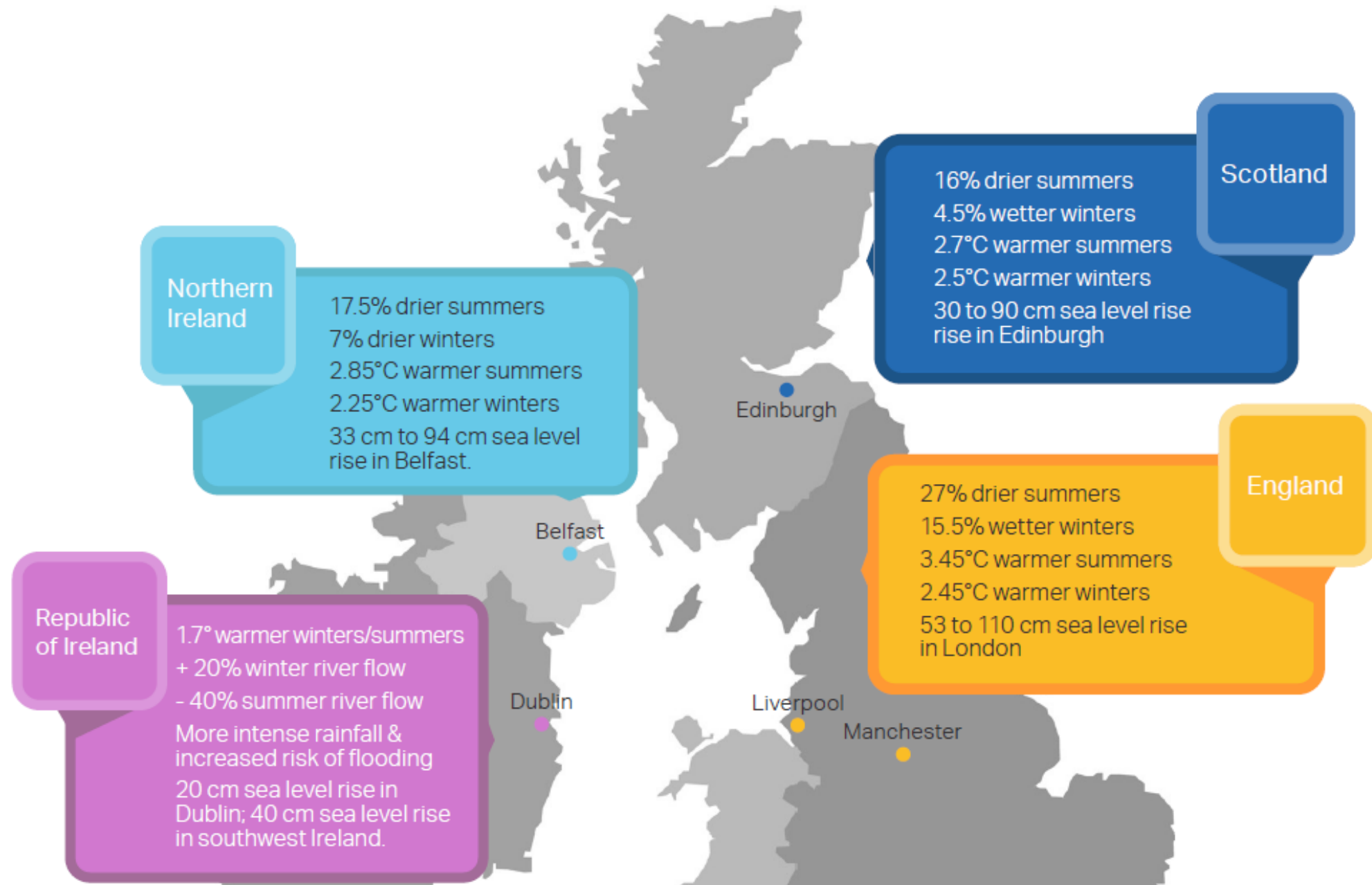


Business Impact Analysis

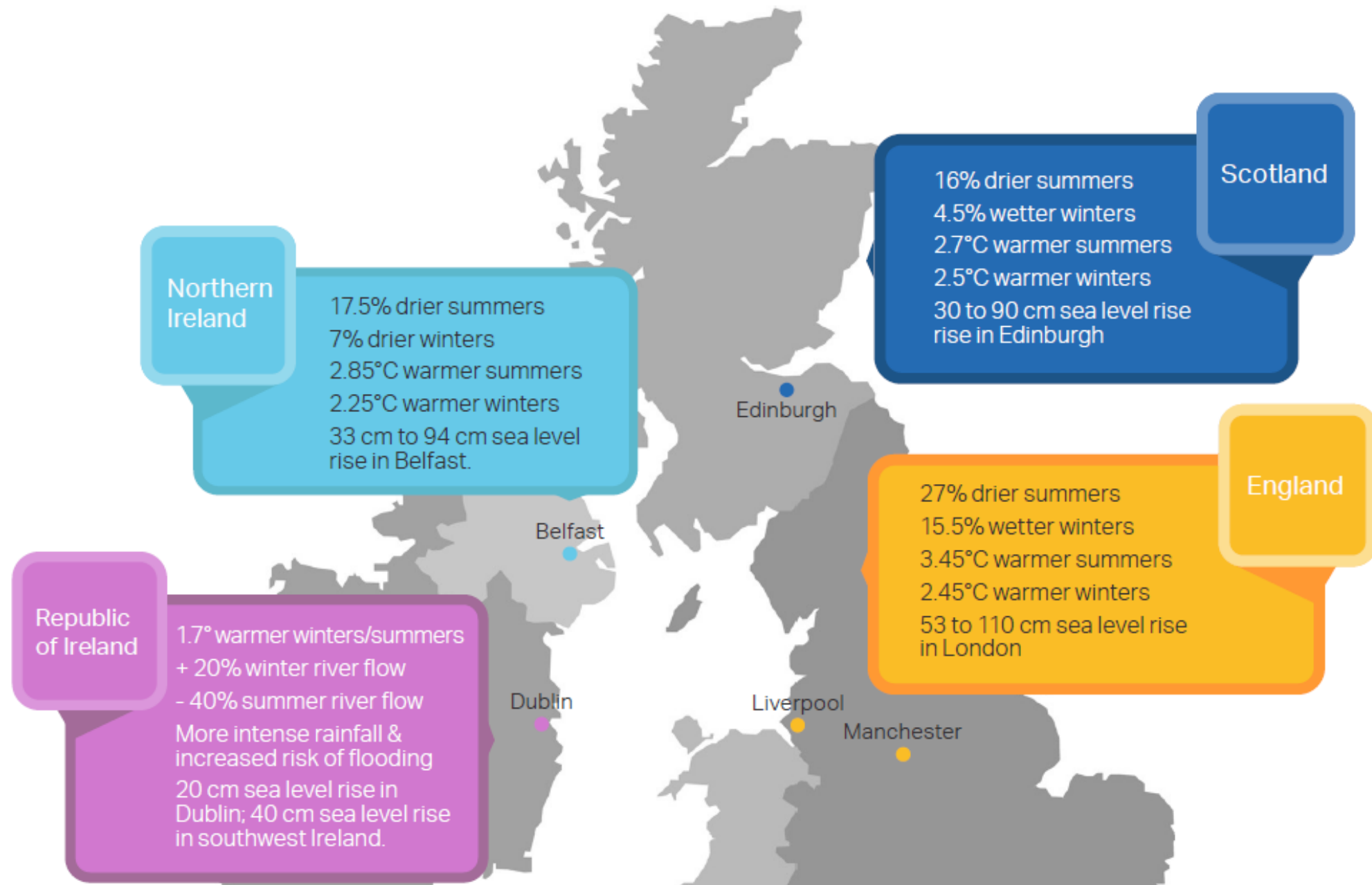


Business Impact Analysis provides a **structure** to determine the **impact, over time**, to critical **business functions** caused by **disruptive events** – in this case climate change hazards

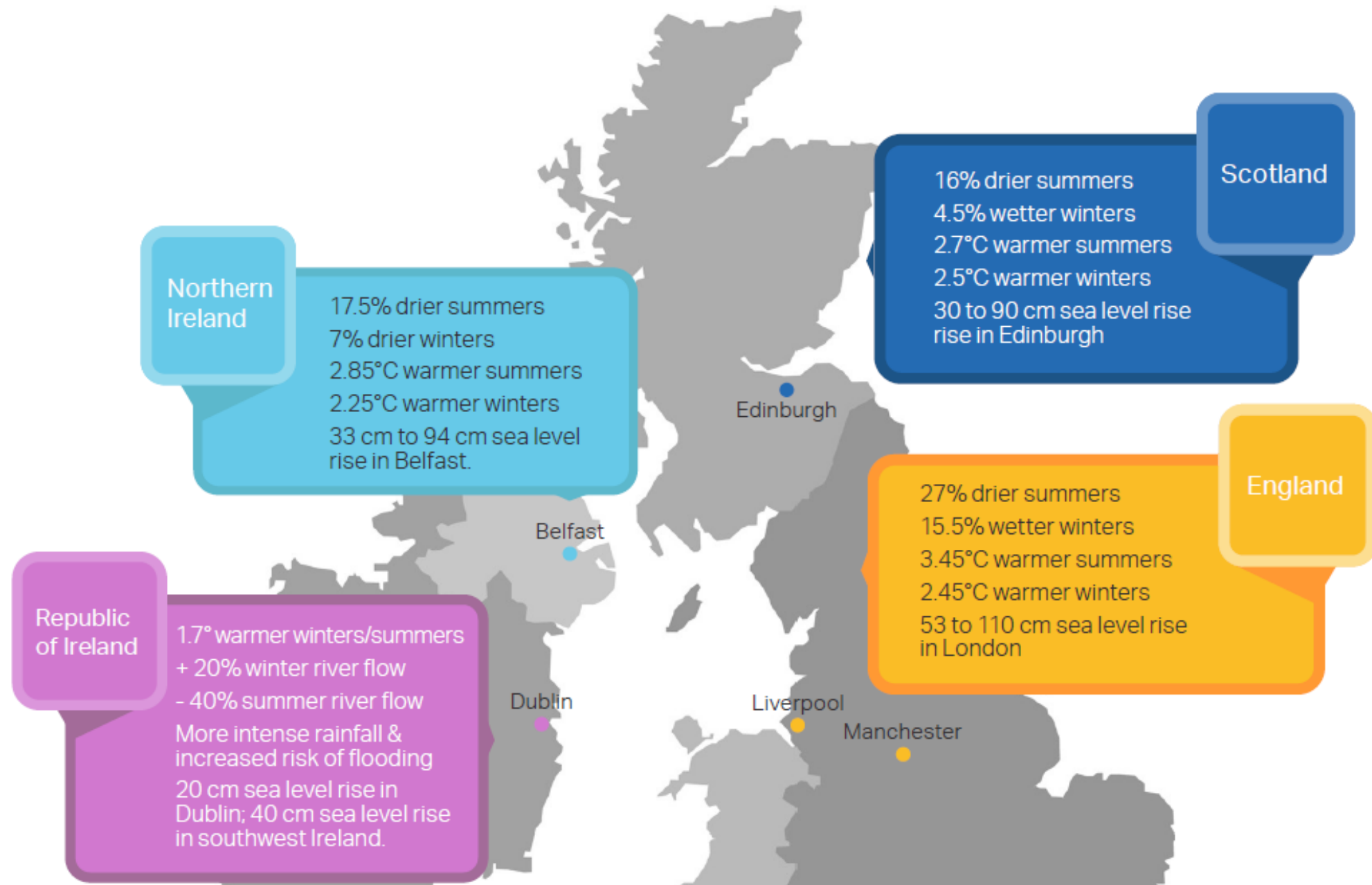
The map below shows headline level climate projections by devolved area of the UK and the Republic of Ireland. 2070s time period, high emissions scenario (RCP8.5).



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One of many critical functions...



| Example critical functions | Example products and services |
|-------------------------------|---|
| Student recruitment | Impact to global recruitment and college partnerships - Economics and population change |
| Learning and teaching | Currency and relevance of curriculum / Contentious learning / Work based learning Timetable, Examinations, Graduation |
| Commercial activity | In house commercial activities – catering, conferencing Partnership activity such as science / business incubators Building lease |
| Research | Research infrastructure / Materials and materials storage Significant research (by value & reputation) that could be at risk |
| People and performance | Global research areas and partners / research opportunities / contentious research Staff and student health, safety and wellbeing |
| IT systems and infrastructure | Key infrastructure such as data centres Key systems to support remote access / home working |

Part of a Larger Process...



Adaptation Approaches

What could most effectively lower the key risks you have identified?

| Adaptation Approach | Examples |
|--------------------------------|--|
| Investigation | Flood modelling, feasibility studies |
| Policy, procedures and systems | Hazard-specific emergency response plans, increase online teaching capacities and working from home options, early warning systems for natural hazards |
| Behavioural | Communication and advocacy campaigns, establishing / strengthening partnership with other stakeholder organisations such as local authorities |
| Nature-based solutions | Raingardens and permeable pavements, constructed wetland sand reedbeds, expansion of greenspace including green walls / roofs, drought-resistant planting / landscaping, vegetated verges along roadways |
| Technical (engineered) | Flood barriers and seawalls, passive building design, backflow preventers, solar shading, reinforced roofs and constructions |

Don't do this alone!



Access the Resources

- Guide 1: Adapting universities and colleges to a changing climate: making the case and taking action
- **Guide 2:** Using an existing organisational resilience framework to develop a climate change adaptation plan
- Case studies from the sector of weather impacts
- Case studies from the sector of adaptation action
- Example adaptation strategies
- Mapping of ISO14001:2015 and adaptation

www.eauc.org.uk/adaptation

