Tool 2: Climate risk screening template

The purpose of this template is to enable you to screen your project for climate change risks and opportunities, with a view to determining whether further work is required, and if so, the appropriate way forward.

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| **1. Project Information** |
| Project title: | [Insert project title] |
| Completed on: | [Insert date] | Completed by: | [Insert name] |
| Project location | *Where is the project located? Insert an address, area or grid reference.* |
| Project lifetime | *[Insert time period the project is expected to last for] – The longer the lifetime of the project, the greater the overall consideration of climate change risk should be.*  |
| Total project cost | *What is the overall cost for the project, both in terms of design and delivery? In broad terms, the climate change risk assessment should be proportionate to the amount of expenditure* |

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| **2. Climate Screening for hazards, exposure and vulnerability**  |
| Relevant climate hazards and exposure (High / Medium / Low) | What is the level of exposure to the following climate hazards the site could be exposed to existing or future climate hazards? Possible sources of information include * Historic weather data or Local Climate Impact Profiles
* Local Climate Change Risk Assessments
* SEPA flood extent maps (using 1 in 200 year return period for now, 1 in 200+CC for future, or 1 in 1000) for surface water, river, coastal and groundwater flooding
* [Dynamic Coast](http://www.dynamiccoast.com/)
* UKCP18; and
* [The UK Climate Projections 2018](https://www.metoffice.gov.uk/research/collaboration/ukcp/land-projection-maps) – Land projections for Scotland and Sea Level Rise projections;
* UK Climate Change Risk Assessment summary for Scotland
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| **Heavy rainfall and flood (river and surface)** | **Sea level rise and coastal flood and surge)** | **Heat, heat waves and extreme** | **Rainfall average and dry spell** | **Wind-storm** | **Cold** | **Other (state)** |
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| Key vulnerabilities | *Could particular elements of your project be vulnerable to climate hazards? Consider both* ***sensitivity*** *and* ***adaptive capacity****.**Sensitivity – What are the key areas of the project which will be affected by the climate hazards identified – think about inputs, outputs, on-site activities and processes, and transport links.**Adaptive Capacity - Will the project’s deliverables or outcomes include an ability to prepare, respond and recover from extreme weather and climate change (either through the project itself, or wider expectations – e.g. emergency management / civil contingencies).* |
| Degree of lock-in (irreversibility)  | To what extent will delivery of the project involve decisions which make it difficult or costly to reverse? Are there any key milestones where this could change? – e.g. detailed design stage. This is important as decisions with a high degree of lock-in should potentially be subject to a higher degree of adaptation planning at the early stages. |
| High |  | Med |  | Low |  |
| Key siting or design aspects | Are there key aspects in the design and siting that need to be taken into account? E.g. a coastal location, or building orientation having to be a particular direction? |

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| **3. Consequences and business case impacts** |
| Climate change has the potential on all aspects of the project’s business case. This section explores how climate impacts potentially translate into risks which affect the financial, economic, strategic, commercial and management impacts of the business case. |
| Possible consequences | What are the possible consequences that could occur from the climate risks above, taking into account exposure, sensitivities, and the project’s adaptive capacity? |
| Socio-Economic and Financial Impacts | * Socio-economic – How will a changing climate impact on the economic viability of a long-list of project options? What are the key factors to consider?
* Financial – Will climate change have an impact on the overall financial case – for example asset and capital costs, operation and maintenance, revenues and benefits, or access to finance or insurance.
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| Strategic, commercial or management Impacts | How could climate change impact on the strategic, commercial or management cases?* Strategic – could climate change affect the achievement of overall business strategy and policy aims? Will it affect envisaged benefits or outcomes? If so, how?
* Commercial – Do the risks require you to assess the commercial model being used to deliver solution – e.g. risk sharing arrangements between public and private sector
* Management – Could climate change impact on the ability to deliver, monitor and evaluate the project? E.g. from causing construction delays?
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| **4. Organisational and Project Team Adaptive Capacity**  |
| Awareness  | *To what extent is the project team aware what climate change means to the organisation and its operations, and policies?* |
| Agency | *To what extent does the project team have capacity to spot, prioritise and develop opportunities for meaningful and timely action in response to information about climate change?* |
| Stakeholders and collaboration  | *The capacity to involve, respects the needs of, communicate with, learn from, and act in collaborative partnerships.* |
| Skills, resources and competencies | *Does the project team have the capacity to recognise, access and deploy the necessary skills, understanding and technical and change expertise?* |

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| **5. Statutory / funding requirements (tick as appropriate)** |
| Strategic Environmental Assessment |  | Strategic Environmental Assessment offers the opportunity to change fundamental aspects of the project or programme design to account for climate adaptation issues. |
| Environmental Impact Assessment |  | Is an Environmental Impact Assessment required for the project? Schedule 1 and Schedule 2 projects in scope of The Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017 are required to consider the vulnerability of the project to climate change. If it is required, has this been included in the scope of works for the EIA? |
| Planning Permission |  | Is planning permission required? If so, what elements of climate adaptation will be needed to be considered in this process in line with the Local and Strategic Development Plan? |
| Broader funding requirements |  | Is adaptation a requirement of any funding streams supporting this application? For example European Regional Development Fund |
| Other |  | Are there any other factors driving requirements for adaptation – e.g. partner aspirations, political aspirations? |

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| **6. Screening determination (tick all that apply)** |
| Based on the information above, what is your initial assessment of the overall level of climate change risks to this project? Projects rated as high risk or medium risks should be subject to a more in-depth climate change risk and vulnerability assessment. |
| **Headline risk** | High |  | Med |  | Low |  |
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| **Action required** | **Required?** | **When? (Business case or design/delivery)** | **Indicative staff requirements** | **Indicative cost requirements** |
| No further action required |  |  |  |  |
| Revision to business case |  |  |  |  |
| Incorporation on broader project risk register |  |  |  |  |
| In-house climate risk assessment |  |  |  |  |
| External climate risk assessment |  |  |  |  |
| Assessment of financial/economic implications |  |  |  |  |
| Development of adaptation action plan |  |  |  |  |
| Resource implications | What are the indicative resource requirements associated with the options above? Are they secured or to be secured? |
| Financial implications | What are the indicative financial requirements associated with the options above? Are they secured or to be secured? |
| Developed by:  | [Insert date] | Completed by: | [Insert date] |
| Approved by:  | [Insert name] | Approved on: | [Insert date] |
| Notes | *Insert any additional information or particular requirements* |