

Climate Action Regional Office
Climate Ready Mayo
Draft Climate Adaptation Strategy
SEA Screening Report

Ref/1

Issue | 16 May 2019

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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Task 1.2 Assessment of Adaptation Actions

1 Introduction

Under the requirements of the *Climate Action and Low Carbon Development Act 2015* Mayo County Council have prepared *Climate Ready Mayo* - the Draft Climate Change Adaptation Strategy for County Mayo, for the period 2019-2024 (hereafter referred to as the Draft Adaptation Strategy) which sets out strategic priorities, measures and responses for adaptation in County Mayo over the next five years.

Arup has been commissioned by Mayo County Council to prepare a report for the purposes of Strategic Environmental Assessment (SEA) Screening of the Draft Adaptation Strategy.

SEA screening is defined as “*the process for deciding whether a particular plan, other than those for which SEA is mandatory, would be likely to have significant environmental effects, and would thus warrant SEA.*”

The purpose of this document is to carry out a screening exercise to determine, in respect of the Draft Adaptation Strategy, if SEA is required to be carried out accordance with the European Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment (“SEA Directive”) as transposed by the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004 (S.I. 435 of 2004), as amended.

This Draft SEA Screening Report provides the findings of the SEA screening process for the Draft Adaptation Strategy.

2 Strategic Environmental Assessment

Strategic Environmental Assessment (SEA) is *‘the formal, systematic evaluation of the likely significant environmental effects of implementing a plan or programme before a decision is made to adopt that plan or programme’* (Department of the Environment, Community and Local Government, 2004).

The SEA process is comprised of the following steps:

- Screening: Decision on whether or not SEA of a Plan or Programme is required. This is the current stage of the SEA process to which this report relates.
- Scoping: Consultation with the defined statutory bodies on the scope and level of detail to be considered in the assessment.
- Environmental Assessment: An assessment of the likely significant impacts on the environment as a result of the Plan or Programme.
- Preparation of an Environmental Report.
- Consultation on the Plan or Programme and associated Environmental Report.
- Evaluation of the submissions and observations made on the Plan or Programme and Environmental Report; and
- Issuance of a SEA Statement identifying how environmental considerations and consultation have been integrated into the Final Plan or Programme.

SEA is intended to provide the framework for influencing decision-making at an earlier stage when plans and programmes - which give rise to individual projects - are being developed. SEA should result in more sustainable development through the systematic appraisal of policy options.

3 Guidance and Legislation

3.1 Legislative Overview

3.1.1 SEA Legislation

The SEA Directive - *Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment* - requires that an environmental assessment is carried out of certain plans and programmes which are likely to have significant effects on the environment.

The objective of the SEA Directive is *'to provide for a high level of protection of the environment and to contribute to the integration of environmental considerations into the preparation and adoption of plans...with a view to promoting sustainable development'* (Article 1 SEA Directive 2001).

SEA is a systematic, on-going process for evaluation, at the earliest possible stage, of the environmental quality and consequences of implementing certain plans and programmes on the environment.

In Ireland, the SEA Directive has been transposed into national legislation through the following regulations:

- S.I. No. 435 of 2004 (European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004, as amended by S.I. No. 200 of 2011 (European Communities (Environmental Assessment of Certain Plans and Programmes) (Amendment) Regulations 2011).
- S.I. No. 436 of 2004 (Planning and Development (Strategic Environmental Assessment) Regulations 2004, as amended by S.I. No. 201 of 2011 (Planning and Development (Strategic Environmental Assessment) (Amendment) Regulations 2011).

3.1.2 Relevant Climate Legislation

The following policy and legislation were also reviewed in the preparation of this SEA Screening Report.

- An EU Strategy on Adaptation to Climate Change (European Commission, 2013).
- Paris Agreement (United Nations, 2015).
- Climate Action and Low Carbon Development Act 2015 (Government of Ireland, 2015).
- National Mitigation Plan (Government of Ireland, 2017).
- National Climate Change Adaptation Plan (Department of Communications, Climate Action and the Environment, 2018).

- Project Ireland 2040: National Planning Framework (Government of Ireland, 2018).

3.2 Guidance Documents

A number of national guidance documents on SEA were reviewed in the preparation of this SEA Screening Report, including:

- *Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland* (EPA, 2013).
- *Implementation of SEA Directive (2001/42/EC): Assessment of the Effects of Certain Plans and Programmes on the Environment- Guidelines for Regional Authorities and Planning Authorities* (Department of the Environment, Community and Local Government, 2004).
- *Local Authority Adaptation Strategy Development Guidelines December 2018* (Department of Communications, Climate Action and the Environment, 2018).

4 The Draft Adaptation Strategy

4.1 Overview

The Draft Adaptation Strategy sets out the strategic priorities, measures and responses of Mayo County Council for adaptation in County Mayo over the next five years, as required by the Climate Action and Low Carbon Development Act 2015.

While the Draft Adaptation Strategy recognises and builds on adaptation action already underway, it also lays the groundwork for a new, integrated approach to adaptation under the National Adaptation Framework. Further, it requires climate change principles and objectives to be considered in all of Mayo County Council's policies and programs.

The aim of the Draft Adaptation Strategy is to identify the risks, challenges and opportunities that need to be considered, and to take a coherent coordinated action in response. The Council's Vision of a Climate Ready Mayo is to achieve:

“A County that understands how climate change will affect the region, our businesses and communities, and actively working together to reduce our exposure to climate risks and to capture new opportunities.”

In order to achieve this vision, Mayo County Council has established four strategic Goals, and a range of Objectives which provide an overarching framework for climate adaptation planning in Mayo:

Goal 1- Increase the resilience of Critical Infrastructure and Buildings to climate change by planning and implementing appropriate adaptation measure;

Goal 2- Increase the resilience of our Natural and Cultural Capital to climate change by planning and implementing appropriate adaptation measure;

Goal 3- Increase the resilience of our Water Resources and Flood Management to climate change by planning and implementing appropriate adaptation measures;

Goal 4- Increase the resilience of our Community Services to climate change by planning and implement appropriate adaptation measures and supporting opportunities.

The Objectives identified are common to each of the strategic Goals: Engage, Plan or Adapt.

Further to the identification of the strategic Goals and Objectives, the Council has established a range of specific Actions under each of the Goals and Objectives Strategy. The 'Adaptation Actions' that will be developed and implemented, with priority awarded to action where severe weather has impacted the safety of citizens and critical infrastructure. Assets which are currently or may in the future be susceptible to severe weather impacts are also considered.

The proposed Adaptation Actions are included in **Appendix A**.

5 SEA Screening Methodology

5.1 Overview

This SEA screening assessment was carried out having due regard to the legislation and guidance outlined in Section 3 of this report.

The EPA Synthesis Report “*Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland*” sets out a series of procedural tasks to consider when carrying out SEA Screening of plans and programmes.

The report states that the overall characteristics of the plan or programme should first be considered, by means of a ‘pre-screening check’ to see if it falls within the requirements of the SEA Directive (‘Task 1.1’). Should this ‘pre-screening check’ determine that the plan or programme is of a type that falls within the requirements of the SEA Directive, the potential environmental significance of implementing the proposed plan or programme should then be considered, against the significance criteria outlined in Annex II (2) of the SEA Directive (‘Task 1.2’).

5.2 Task 1.1 SEA ‘Pre-Screening Check’

The EPA Synthesis Report “*Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland*” provides a “decision-tree” or flowchart, which simplifies the complex wording of the SEA Directive into a systematic and logical series of questions.

This flowchart allows for rapid screening-out of those plans and programmes that are not likely to have any environmental impact and screening-in of those that definitely do require SEA. This task ultimately determines the requirement for SEA, under the SEA Directive.

The EPA flowchart is illustrated in **Figure 5.1** and makes up Task 1.1 of the SEA Screening methodology.

5.3 Task 1.2 SEA Screening

‘Task 1.2’ of the SEA Screening methodology constitutes environmental significance screening, which may be undertaken to assess whether a plan or programme is likely to result in significant environmental effects and should therefore, be taken forward for SEA. Annex II of the SEA Directive sets out the “statutory” criteria that should be addressed when undertaking Task 1.2.

Annex II of the SEA Directive is transposed into national legislation as Schedule 1 ‘*Criteria for determining whether a Plan or Programme (or Modification thereto) is likely to have significant effects on the Environment*’ of the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004, as amended.

Thus, Task 1.2 of the SEA Screening methodology involves an assessment of the plan or programme against the significance criteria set out in Annex II of the SEA Directive and Schedule 1 of the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004, as amended in order to determine if the plan or programme should be subject to full SEA.

The ‘Significance Criteria’ and sub-criteria are outlined below, each of which constitutes a heading under which the Draft Adaptation Strategy is assessed and discussed in Section 6.2 of this Screening Report. “*Criteria for determining whether a Plan or Programme (or Modification thereto) is likely to have significant effects on the Environment.*”

1. *The characteristics of the plan or programme, or modification to a plan or programme, having regard, in particular, to*
 - *the degree to which the plan or programme, or modification to a plan or programme, sets a framework for projects and other activities, either with regard to the location, nature, size and operating conditions or by allocating resources;*
 - *the degree to which the plan or programme, or modification to a plan or programme, influences other plans including those in a hierarchy;*
 - *the relevance of the plan or programme, or modification to a plan or programme, for the integration of environmental considerations in particular with a view to promoting sustainable development;*
 - *environmental problems relevant to the plan or programme, or modification to a plan or programme;*
 - *the relevance of the plan or programme, or modification to a plan or programme, for the implementation of European Union legislation on the environment (e.g. plans and programmes linked to waste management or water protection).*
2. *Characteristics of the effects and of the area likely to be affected, having regard, in particular, to*
 - *the probability, duration, frequency and reversibility of the effects;*
 - *the cumulative nature of the effects;*
 - *the transboundary nature of the effects;*
 - *the risks to human health or the environment (e.g. due to accidents);*
 - *the magnitude and spatial extent of the effects (geographical area and size of the population likely to be affected);*
 - *the value and vulnerability of the area likely to be affected due to:*
 - a) *special natural characteristics or cultural heritage;*
 - b) *exceeded environmental quality standards or limit values;*
 - c) *intensive land-use.*
 - *the effects on areas or landscapes which have a recognised national, European Union or international protection status.”*

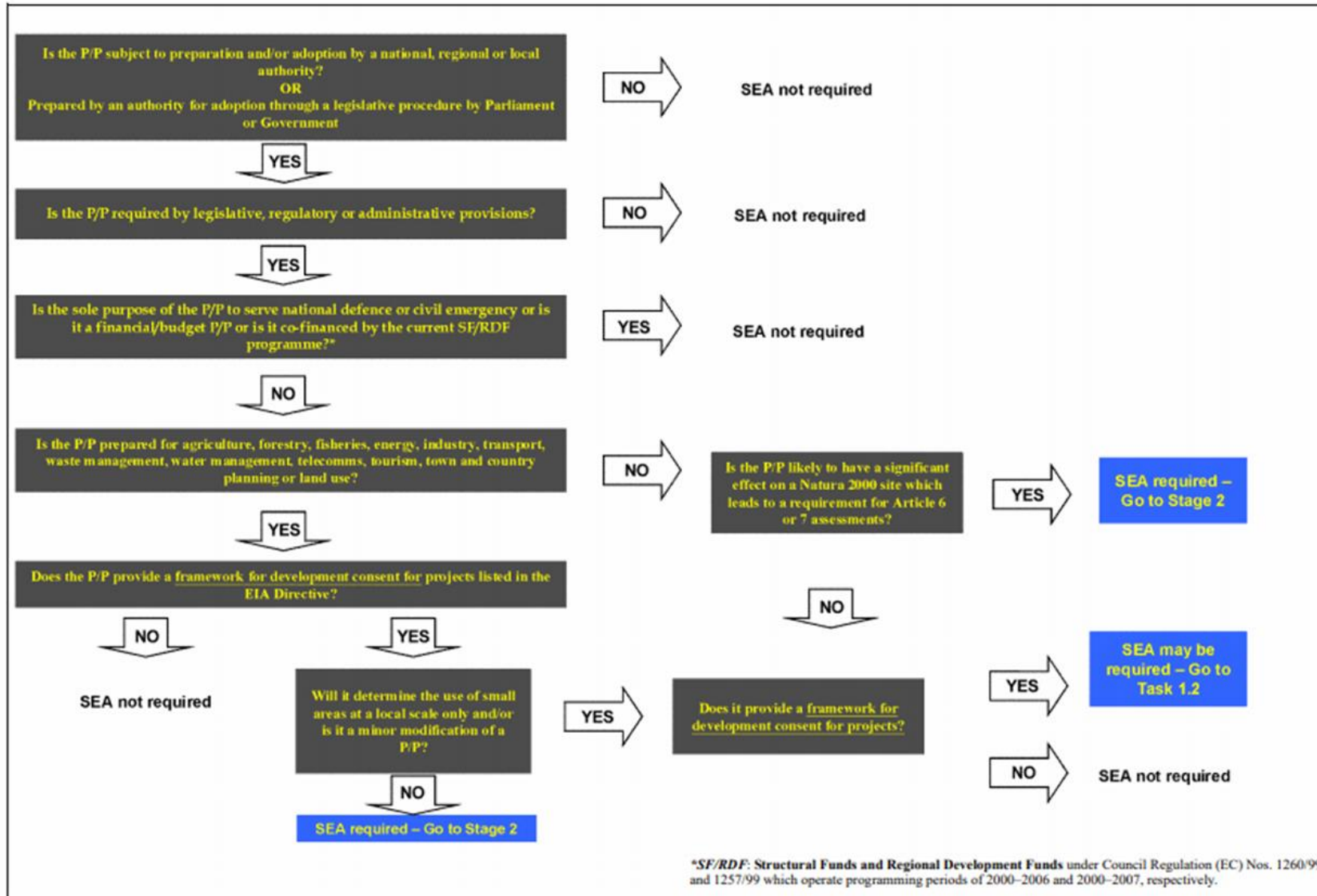


Figure 5.1: Stage 1 Pre-Screening ‘Check’- Flowchart (EPA, 2013)

6 SEA Screening

6.1 Task 1.1 SEA ‘Pre-Screening Check’

6.1.1 Application of the EPA ‘Pre-Screening Flowchart’

As outlined in Section 5.2, Task 1.1 of the SEA Screening methodology constitutes the use of the “decision-tree” or flowchart provided in the EPA Synthesis Report “Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland.”

The Draft Adaptation Strategy was assessed using this ‘pre-screening’ flowchart, the application and outcome of which is illustrated in the replicated flowchart in **Figure 6.1** and discussed in Section 6.1.2.

6.1.2 Outcome of ‘Pre-Screening Check’- Requirement for SEA

As previously described, the Draft Adaptation Strategy was assessed using the EPA ‘decision-tree’ or flowchart in order to ascertain the requirement for SEA. The outcome of the EPA flowchart is described hereafter and illustrated in the replicated flowchart in **Figure 6.1**.

Article 2(3) of S.I No. 435, transposing Article 2(a) of the SEA Directive, defines plans and programmes as those:

“(a) which are subject to preparation and/or adoption by an authority at national, regional or local level or which are prepared by an authority for adoption, through a legislative procedure by Parliament or Government, and

(b) which are required by legislative, regulatory or administrative provisions.”

Mayo County Council are currently preparing the Draft Adaptation Strategy under the requirements of the *Climate Action and Low Carbon Development Act 2015*. The Draft Adaptation Strategy is therefore considered to constitute *a plan*, as defined by S.I No 435, and the SEA Directive.

Article 9(1) of S.I No. 435, transposing Article 3(2)(a) of the SEA Directive, sets out the requirement to carry out environmental assessment for all plans or programmes:

“(a) which are prepared for agriculture, forestry, fisheries, energy, industry, transport, waste management, water management, telecommunications and tourism, and which set the framework for future development consent of projects listed in Annexes I and II to the Environmental Impact Assessment Directive, or

(b) which are not directly connected with or necessary to the management of a European site but, either individually or in combination with other plans, are likely to have a significant effect on any such site.”

The Draft Adaptation Strategy is not considered to constitute a plan or programme referred to in sub-article (1) in that it is not being specifically prepared for any of the sectors referred and is not considered to be directly connected with or necessary to the management of a European site.

Article 9(3) and 9(4) of S.I No. 435, transposing Article 3(4) and 3(5) of the SEA Directive goes on to state that;

“(3) A competent authority shall determine whether plans and programmes other than those referred to in sub-article (1), which set the framework for future development consent of projects, are likely to have significant effects on the environment.

(4) A competent authority shall, in determining on a case by-case basis under sub-article (2) or (3) whether a plan or programme, or modification to a plan or programme, would or would not be likely to have significant effects on the environment, take account of relevant criteria set out in Schedule 1 and any submission or observation received in response to a notice under sub-article (5).”

Thus, while it is already established that the Draft Adaptation Strategy is not considered to constitute a plan or programme referred to in Article 9(1) of S.I No. 435, in that it is not being specifically prepared for any of the sectors referred, it is further required to determine whether the Draft Adaptation Strategy could be considered, in isolation, as having the potential to set framework for development consent of projects.

In considering the potential of the Draft Adaptation Strategy to set a framework for future development consent of projects, the interpretation of the term “...framework for developmental consent” is referred, as set out in the EPA report “Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland”. The EPA report states that: “A *framework for future development consent can be interpreted to mean measures that identify circumstances under which development will be encouraged or allowed or brings forward programmes that identify certain types of development to be pursued in a particular sector e.g. wind energy within an Energy Plan/Programme.*”

As outlined in the Draft Adaptation Strategy it is an objective of the Council ‘*to integrate climate change measures into policies, strategies and planning, as well as the identification of areas at risk to inform planning and decision-making.*’

Some of the measures, or *Actions* put forward in the Draft Adaptation Strategy could be considered to set a framework for development consent, in that they identify circumstances under which development will be encouraged. For example, Action No 2. of Goal 1 of the Draft Adaptation Strategy is to:

“develop and implement a Design Checklist and Guidance Document for new developments to take account of climate change over the lifetime of a development, especially with regard to its location, site layout, buildings, ventilation and cooling, drainage, water, outdoor spaces and connectivity. New development should incorporate green infrastructure as a mechanism for carbon offset within the project.”

Similarly, Action 4 of Goal 1 of the Adaptation Strategy is to:

“establish and develop an evidence database on projected changes and the impacts of weather events in Mayo, to aid mapping and identification of areas at risk and inform assessments, contingency planning, adaptation planning and decision-making.”

Thus, while the Draft Adaptation Strategy is not considered to fall under any of the sectors which would require mandatory environmental assessment under Article 9(1) of S.I No. 435, it is considered that the Draft Adaptation Strategy has the potential, to some degree, to set a framework for the future development consent of projects, in accordance with the EPA interpretation of the same.¹

It is therefore determined that the Draft Climate Adaptation Strategy could be considered to fall within the requirements of S.I No 435 and the SEA Directive and should therefore be subject to ‘Task 1.2’ of the SEA screening process; consideration of the Draft Adaptation Strategy against statutory significant criteria.

The findings of this ‘pre-screening check’ are summarised in **Figure 6.1**, using the EPA ‘decision-tree’ or flowchart.

¹ As set out in the EPA report “Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland.”

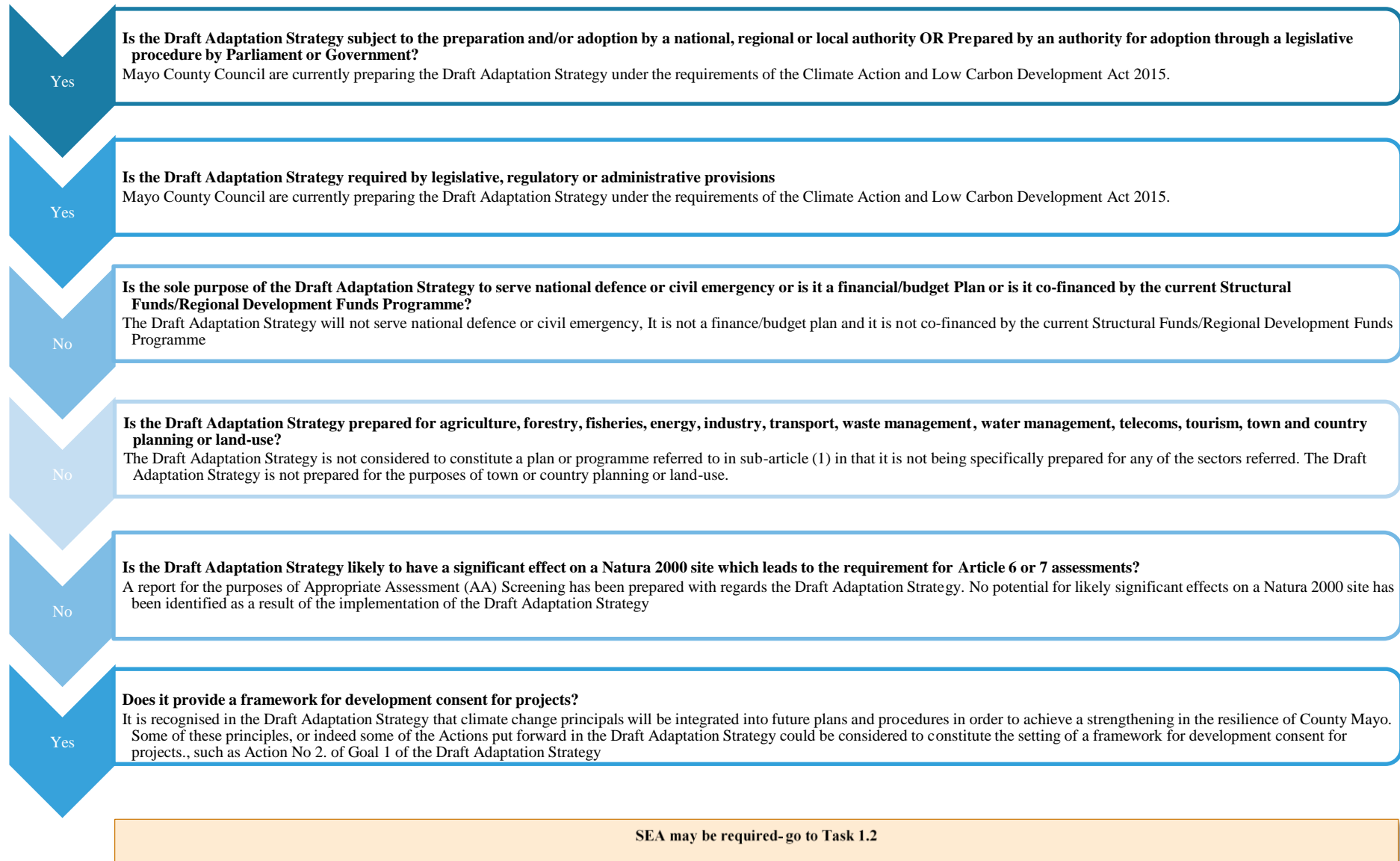


Figure 6.1: Application of EPA ‘Decision -Tree’

6.2 Task 1.2 Significance Criteria Assessment

As outlined in Section 5.3, Task 1.2 of the SEA Screening methodology involves an assessment of the plan or programme against the ‘Significance Criteria’ and sub-criteria set out in Annex II of the SEA Directive and Schedule 1 of the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004, as amended, in order to determine if the plan or programme should be subject to full SEA.

The assessment headings and sub-headings below are representative of each of these Significance Criteria and sub-criteria. In order to adequately assess and describe the ‘*characteristics of the effects and of the area likely to be affected*’ relevant to the Draft Adaptation Strategy, each of the proposed Adaptation Actions were reviewed against the sub-headings of this Significance Criteria. This detailed assessment of the Adaptation Actions is included in **Appendix A**.

This section provides an overview of the assessment of the Draft Adaptation Strategy, and the Adaptation Actions contained therein.

1. The characteristics of the plan or programme, or modification to a plan or programme, having regard, in particular, to

— **the degree to which the Draft Adaptation Strategy sets a framework for projects and other activities, either with regard to the location, nature, size and operating conditions or by allocating resources,**

In considering the potential of the Draft Adaptation Strategy to set a framework for projects and other activities, the interpretation of the term “...framework for developmental consent” is referred, as set out in the EPA report “Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland”. The EPA report states that: “*A framework for future development consent can be interpreted to mean measures that identify circumstances under which development will be encouraged or allowed or brings forward programmes that identify certain types of development to be pursued in a particular sector e.g. wind energy within an Energy Plan/Programme.*”

As outlined in the Draft Adaptation Strategy it is an objective of the Council ‘*to integrate climate change measures into policies, strategies and planning, as well as the identification of areas at risk to inform planning and decision-making.*’

Some of the measures, or *Actions* put forward in the Draft Adaptation Strategy could be considered to set a framework for projects and other activities, in accordance with the EPA interpretation, in that they identify circumstances under which development will be encouraged. For example, Action No 2. of Goal 1 of the Draft Adaptation Strategy is to:

“*develop and implement a Design Checklist and Guidance Document for new developments to take account of climate change over the lifetime of a development, especially with regard to its location, site layout, buildings, ventilation and cooling, drainage, water, outdoor spaces and connectivity.*”

New development should incorporate green infrastructure as a mechanism for carbon offset within the project.”

Similarly, Action 4 of Goal 1 of the Adaptation Strategy is to:

“establish and develop an evidence database on projected changes and the impacts of weather events in Mayo, to aid mapping and identification of areas at risk and inform assessments, contingency planning, adaptation planning and decision-making.”

While it is therefore recognised that the Draft Adaptation Strategy has the potential to set a framework for projects and other activities, it should also be considered in the context of the Irish strategic planning hierarchy.

The Mayo County Development Plan is defined as *“a spatial planning framework that gives effect to the delivery of sustainable and planned economic and social development in a manner consistent with higher levels plans and strategies.”*

The objectives and actions of the Draft Adaptation Strategy will be adopted and implemented under the Mayo County Development Plan, and any subsequent Local Areas Plans, as relevant. This is affirmed by Action No 1. of Goal 1 of the Draft Adaptation Strategy, which set out the intention of the Council to *“integrate climate change and the Climate Adaptation Strategy (and mitigation) into the County and Local Area Development Plan, and apply planning policies to reduce the vulnerability of Mayo County Council to the impacts of climate change”*

Thus, while it is recognised that the Draft Adaptation Strategy has the potential to set a framework for projects and other activities, the degree to which it does so, in isolation, is not considered to be significant, when reviewed in the context of the hierarchy of national, regional and local plans in which it sits, and the relevant policy which underpins the Irish planning process.

— the degree to which the Draft Adaptation Strategy influences other plans including those in a hierarchy,

As previously discussed, the objectives and actions of the Draft Adaptation Strategy will be adopted and implemented under the Mayo County Development Plan, and any subsequent Local Areas Plans, as relevant. This is affirmed by Action No 1. of Goal 1 of the Draft Adaptation Strategy, which set out the intention of the Council to *“integrate climate change and the Climate Adaptation Strategy (and mitigation) into the County and Local Area Development Plan and apply planning policies to reduce the vulnerability of Mayo County Council to the impacts of climate change.”*

It is therefore considered that the Draft Adaptation Strategy does have the potential to influence other plans and programmes, specifically those in the strategic planning hierarchy.

However, in the identification of the influencing potential of the Draft Adaptation Strategy, it is important to note the purpose of the Strategy, which is ultimately to reduce the risk of the effects of climate change in County Mayo.

Thus, while the Draft Adaptation Strategy will, to some degree, influence other plans and programmes in a hierarchy, the influencing potential of the Draft Adaptation Strategy is likely to result in an overall positive effect on the environment.

It could also be considered that the Draft Adaptation Strategy will influence, and be influenced by, the twelve sectoral adaptation plans which being prepared under the National Adaptation Framework, which have been further grouped into four key thematic areas:

- Critical Infrastructure and Buildings;
- Natural and Cultural Capital;
- Water Resources and Flood Risk Management;
- Public Health.

The Draft Adaptation Strategy has adopted the thematic areas of the sectoral adaptation plans to facilitate potential synergies and efficiencies that can be achieved in bringing forward coherence between sectoral adaptation policies and measures.

— **the relevance of the Draft Adaptation Strategy for the integration of environmental considerations in particular with a view to promoting sustainable development,**

As outlined in the Draft Adaptation Strategy, climate change presents the single biggest threat to sustainable development. Urgent action to halt climate change and deal with its impacts is integral to the successful implementation of the United Nations (UN) Sustainable Development Goals (SDGs). Goal 13 of the SDG's relates to climate change mitigation and adaptation:

Goal 13: Take urgent action to combat climate change and its impacts, focuses on the integration of climate change measures into national policies, the improvement of education, awareness-raising and institutional capacity on climate change mitigation, adaptation, impact reduction and early warnings.

It is considered that the Draft Adaptation Plan aligns with Goal 13 of the UNs SDGs by setting out strategic priorities, measures and responses for climate adaptation in County Mayo over the period 2019-2024.

The Draft Adaptation Plan also requires climate change principles and objectives to be considered in all of Mayo County Councils policies and programs. In doing so, the plan will provide an opportunity to not only enhance the adaptive capacity and resiliency of Mayo, but also reduce the long-term costs and impacts associated with climate change.

The Draft Adaptation Strategy is therefore considered to significantly promote sustainable development in County Mayo.

— **environmental problems relevant to the Draft Adaptation Strategy,**

The 'environmental problem' of relevance to the Draft Adaptation Strategy is that of climate change.

The purpose of the Draft Adaptation Strategy is to assist Mayo County Council in preparing for the environmental problem of climate change through climate adaptation; developing a comprehensive understanding of how a changing climate will affect the County and its communities; and actively working to reduce exposure to new and increased risks.

By taking proactive action to adjust and prepare for anticipated changes, Mayo County Council will work to achieve a “*reduction in losses, improved environmental health, and provision of a host of community benefits.*” Ultimately, the Draft Adaptation Plan will likely reduce the risk to County Mayo from climate change and its associated impacts.

— **the relevance of the Draft Adaptation Strategy for the implementation of European Union legislation on the environment (e.g. plans and programmes linked to waste management or water protection).**

A key driver for the development of the Draft Adaptation Strategy is the need to respond to international, European, and national climate change action through a wide range of agreements, directives, legislation and regulations.

The Draft Adaptation Strategy is being prepared by Mayo County Council under the requirements of the *Climate Action and Low Carbon Development Act 2015*. It is consistent with the implementation of European Union legislation on climate change including the EU Strategy on Adaptation to Climate Change (EC, 2013).

2. Characteristics of the effects and of the area likely to be affected, having regard, in particular, to

— **the probability, duration, frequency and reversibility of the effects,**

The purpose of the Draft Adaptation Strategy is to assist Mayo County Council in preparing for climate change through climate adaptation; developing a comprehensive understanding of how a changing climate will affect the County and its communities; and actively working to reduce exposure to new and increased risks.

By taking proactive action to adjust and prepare for anticipated changes, Mayo County Council will work to achieve “*a reduction in losses, improved environmental health, and provision of a host of community benefits*”.

Ultimately, the Draft Adaptation Plan will work to reduce the risk to County Mayo of the effects of climate change. An overall likely positive, long-term effect on the environment is therefore identified.

— **the cumulative nature of the effects,**

In accordance with the National Adaptation Strategy, each Local Authority (LA) is required to make and adopt Local Adaptation Strategies. Further, seven Government Departments/Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.

Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative effect is identified with regards climate adaptation at a national level. The nature of this potential cumulative effect is predicted to be long-term and positive.

— **the transboundary nature of the effects,**

Mayo County Council's Climate Change Adaptation Strategy 2019-2024 sets out the strategic priorities, measures and responses for adaptation in County Mayo over the next five years, as required by the *Climate Action and Low Carbon Development Act 2015*.

As the Draft Adaptation Strategy is focused on climate adaptation within County Mayo, the effects of the implementation of the same are predicted to arise mainly within the County.

However, as indicated in the detailed assessment of the proposed Adaptation Actions in **Appendix A**, the Draft Adaptation Strategy could be considered to give rise to some potential (positive) transboundary effects. This is particularly relevant where actions are proposed with regards to natural features or infrastructure networks that may be common to one or more county, or administrative area. This includes actions relevant to the flood risk management of surface water bodies, protection and conservation of water resources, biodiversity management, including species spatial responses and restoration of natural systems, and in the planning of resilient and sustainable energy networks. It is further recognised that actions relating to 'knowledge sharing' also have the potential to result in (positive) transboundary effects, where other administrative areas might benefit from the information gained, or 'lessons learned' arising from the implementation of the Draft Adaptation Strategy and its Adaptation Actions.

— **the risks to human health or the environment (e.g. due to accidents),**

Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.

As outlined in the Draft Strategy, "*by taking proactive action to adjust and prepare for anticipated changes, Mayo County Council will work to achieve a reduction in losses, improved environmental health, and provision of a host of community benefits*".

— **the magnitude and spatial extent of the effects (geographical area and size of the population likely to be affected),**

Mayo County Council's Climate Change Adaptation Strategy 2019- 2024 sets out the strategic priorities, measures and responses for adaptation in County Mayo over the next five years, as required by the *Climate Action and Low Carbon Development Act 2015*.

As the Draft Adaptation Strategy is focused on climate adaptation within County Mayo, the effects of the implementation of the same are likely to be restricted within the County, with limited potential for positive transboundary effects.

— **the value and vulnerability of the area likely to be affected due to:**

(a) special natural characteristics or cultural heritage,

No potential for significant negative effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of the Draft Adaptation Strategy.

Proposed development will be subject to EIA and AA at project level, as required.

(b) exceeded environmental quality standards or limit values,

No potential for exceedance of environmental quality standards or limit values are predicted to result from the implementation of the Draft Adaptation Strategy.

Proposed development will be subject to EIA and AA at project level, as required.

(c) intensive land-use,

The Draft Adaptation Strategy does not make provisions for or determine strategic land-use in County Mayo.

— **the effects on areas or landscapes which have a recognised national, European Union or international protection status.**

A Report for the purposes of Appropriate Assessment (AA) Screening has been prepared with regards the Draft Adaptation Strategy. No potential for significant effects on any site of recognised national, community or international protection status has been identified.

7 Conclusion

The Draft Adaptation Strategy was assessed using the ‘pre-screening’ flowchart, as provided in the EPA Synthesis Report “*Development of Strategic Environmental Assessment (SEA) Methodologies for Plans and Programmes in Ireland.*”

Following this assessment, it was concluded that the Draft Adaptation Strategy falls within the requirements of the SEA Directive in that it may set a framework for projects and other activities.

The Adaptation Actions proposed under the Draft Adaptation Strategy were subsequently screened against the significance criteria outlined in Annex II of the SEA Directive, to determine if the Strategy would give rise to likely significant environmental effects.

While the SEA Screening assessment recognises that the Draft Adaptation Strategy may set a framework for projects and other activities, the degree to which it does so is not considered to be significant, when considered in the context of the hierarchy of national, regional and local plans in which it sits, and the relevant policy which underpins the Irish planning process.

The Draft Adaptation Strategy was identified as having the potential, to some degree, to influence other plans and programmes, specifically those in the strategic planning hierarchy. However, in considering the purpose of the Draft Adaptation Strategy, which is ultimately to reduce the risk to County Mayo of the effects of climate change, the influencing potential of the Draft Adaptation Strategy is likely to result in an overall positive effect on the environment.

The successful implementation of the Draft Adaptation Strategy will likely significantly contribute to the promotion of sustainable development in County Mayo. It will also result in a likely reduction in risks to human health and the environment from climate change and its associated impacts.

The Draft Adaptation Strategy is being prepared by Mayo County Council under the requirements of the *Climate Action and Low Carbon Development Act 2015*. It is consistent with the implementation of European Union legislation on climate change including the EU Strategy on Adaptation to Climate Change (EC, 2013).

No likely significant negative effects on the value and vulnerability of County Mayo is predicted to result from the successful implementation of the Draft Adaptation Strategy. Further, no likely significant negative effects on any areas or landscapes which have a recognised national, Community or international protection status have been identified.

No requirement for SEA is therefore identified as a result of this SEA Screening assessment.

Appendix A

Task 1.2 Assessment of Adaptation Actions

		Characteristics of Potential Effects and Subject Area								
		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
No	Governance and Support Actions									
1	<p>Climate Adaptation Steering Group To ensure that the Goal, Objectives and Actions are achievable, establish a dedicated Adaptation Steering Group to ensure the successful implementation of the Mayo Climate Adaptation Strategy</p> <ol style="list-style-type: none"> Climate Adaptation Steering Group will manage and oversee the delivery of the Adaptation Actions and the mainstreaming of Climate Adaptation into all plans, programmes, strategies and policies of Mayo County Council. Develop Implementation Plans for each Adaptation Action and monitor and report on progress. Through the Steering Group and/or its sub groups facilitate potential partnerships and/or funding sources to take forward projects across the county. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by facilitating the successful delivery of the proposed Adaptation Actions. A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

		Characteristics of Potential Effects and Subject Area								
		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
2	<p>Corporate Plan Include the objective of being Climate Ready as a Strategic Goal of the Corporate Plan and prepare an annual progress report on the Strategy which will be submitted to the Council with the draft budget.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by integrating climate adaptation as a Strategic Goal of the Corporate Plan. The Council are committed to delivering the strategic goals of the Corporate Plan, and their corresponding actions over the Plan period.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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3	<p>Sectoral Adaptation Plans Build and strengthen partnerships and promote cross-sectoral communication and cooperation in the implementation of Local Authority and Sectoral Adaptation Plans</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that the Adaptation Actions proposed under the Draft Adaptation Strategy are complementary and mutually reinforcing with those of Sectoral Adaptation plans, thus avoiding conflicting outcomes.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential positive transboundary effect is predicted to result from the implementation of this Action through the Councils commitment to cross-sectional communication and cooperation with Government Departments/ Agencies in the delivery of Sectoral Adaptation Plans.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative, transboundary effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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4	<p>Mapping & Identification of Vulnerable Areas Establish and develop an evidence database on projected changes and the impacts of weather events in Mayo, to aid mapping and identification of areas at risk and inform risk assessments, contingency planning, adaptation planning and decision-making</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying those areas most at risk to climate change and ensuring contingency and adaptation planning is focused in these areas.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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5	<p>Support to Local Climate Action Support the local implementation of climate change policy by identifying how local priorities can be pursued in line with climate change objectives to ensure that all forms of climate inequality are reduced.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo through supporting local level climate change objectives and the actions of community groups.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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6	<p>Communication of Implications of Climate Change on Natural and Cultural Assets Support the use of long-term datasets and publication, and the promotion of information describing the implications of climate change on Mayo's natural and cultural assets, through websites, public information etc.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo through increased community awareness of the risk and range of changes and their impacts.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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No	Goal 1 Actions									
1	<p>County & Local Area Development Plans Integrate climate change and the Climate Adaptation Strategy (and mitigation) into the County and Local Area Development Plan, and apply planning policies to reduce the vulnerability of Mayo County Council to the impacts of climate change</p> <ol style="list-style-type: none"> 1. Promote quality climate resilient and sustainable design and construction. 2. Promote the role of the natural environment to promote climate adaptation through promoting green infrastructure, such as living roofs and walls in appropriate locations. 3. Promote the design and construction of new developments to create low carbon, walkable neighbourhoods and work places containing high quality green and blue infrastructure. 4. Review the SUDs design requirements within the County and Local Area Development Plans. 5. Ensure new developments are not at risk from coastal, fluvial, pluvial or ground water flooding as per the Flood Planning Guidelines. 6. Protect open spaces, with multifunctional green and blue infrastructure in developments, with connections to the wider network of open spaces and habitats. 7. Develop sustainable land use planning policies which facilitates transportation efficiency, economic returns on transport investment, minimisation of environmental impacts and a general shift towards the use of low carbon public transportation throughout the county. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that the Adaptation Actions are implemented at local level, through the Irish Planning system.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>All County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>All County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>All County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p> <p>All County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>All County or Local Area Plans, and their relevant policies and objectives will be subject to SEA and AA prior to adoption.</p>

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2	<p>New Development Checklist & Guidance Develop and implement a Design Checklist and Guidance Document for new developments to take account of climate change over the lifetime of a development, especially with regard to its location, site layout, buildings, ventilation and cooling, drainage, water, outdoor spaces and connectivity. New Development should incorporate green infrastructure as a mechanism for carbon offset within the project.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that new development proposed within County Mayo takes account of climate change in its design, in order to increase resilience to the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>New development will be subject to EIA and AA at project level, as required.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>

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3	<p>Promoting Sustainable Solutions Contribute to raising awareness of sustainability solutions at an early stage in the design process for new public and private infrastructure.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that new development proposed within County Mayo takes account of climate change in its design, in order to increase resilience to the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>New development will be subject to EIA and AA at project level, as required.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>

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4	<p>Flooding & New Developments Future infrastructure and buildings to be planned and built in consideration of future flood risk projections;</p> <ol style="list-style-type: none"> Review and update periodically the flood risk zones for coastal, fluvial, pluvial and groundwater flood to ensure that they take account of projected climate change, OPW flood maps, local knowledge and events, research and other sources of data to inform planning decisions. Ensure robust site-specific Flood Risk Assessments are prepared for new infrastructure and buildings that inform planning decisions and suitable adaptation requirements in line with the guidelines on the planning System and Flood Risk Management. Ensure urban storm water drainage systems for new development take into account the potential future impacts of climate change in their designs, particularly the projected increase in intense rainfall events, and include the use of sustainable drainage systems. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by endeavoring to ensure that new development is resilient to project climate change related flood events.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>New development will be subject to FRA at project level, as required.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to FRA at project level, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to FRA at project level, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to FRA at project level, as required.</p>

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5	<p>Infrastructure Risk Register Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure and the built environment and use it to inform adaptation policy.</p> <ol style="list-style-type: none"> Develop a register of critical equipment, systems and assets at risk from existing and project climate events. Put in place a monitoring plan to inspect the integrity of existing infrastructure, particularly elements at risk from extreme events, to determine their physical condition, and ability to deal with projected climate change. Identify and implement any operational measures to isolate and protect critical infrastructure/ equipment to reduce the risk/impact from climate events and develop necessary maintenance/upgrade programme to prolong the lifespan and address climate risk. Identify backup and contingency plans for climate events that have the potential to impact critical infrastructure, the failure of which would have major consequences and/or a cascading effect on other services. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying key risks to infrastructure and the built environment and introducing measures to ensure that the upmost resilience to these risks is achieved.</p> <p>A potential positive effect on population and human health, as well as features of cultural heritage is predicted as a result of the identification of critical risks to infrastructure, and the subsequent development of relevant mitigation measures and contingency plans to reduce or remedy these risks.</p> <p>No significant negative environmental effects are predicted to result from the</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject infrastructure is common to one or more county or administrative area.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on features of cultural heritage is predicted as a result of the identification of critical risks from climate change, and the subsequent development of relevant mitigation measures and contingency plans to reduce or remedy these risks.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
		implementation of this Action.								
6	<p>Data Capture of Impacts of Extreme Climate Events</p> <ol style="list-style-type: none"> Research, collate and document the full impacts of extreme climate events in Mayo, including areas and infrastructure impacted, people/communities affected, resources deployed during and after the event, the full cost of repairs and/or replacement of infrastructure, increased maintenance costs and impact on service delivery. Capture the impacts of climate events on critical infrastructure and buildings through GIS mapping to help identify hazards and vulnerable areas to allow for future adaptation planning. Develop a reporting and information sharing system that allows for the assessment of the full impacts of climate change and supports a true economic evaluation of adaptation projects in the future. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by facilitating the Council and communities to benefit from ‘lessons learned’ with regards climate change impacts and measures to remedy the same.</p> <p>This Action will also assist in identifying those areas most at risk to climate change to ensure contingency and adaptation planning is focused in these areas and increasing community awareness of the risk and range of changes and their impacts.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or ‘lessons learned’ are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

		Characteristics of Potential Effects and Subject Area								
		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
		No significant negative environmental effects are predicted to result from the implementation of this Action.								
7	<p>Promote Opportunities through Green Infrastructure Identify opportunities to increase the climate resilience of infrastructure and the built environment through natural greening measures in new developments (and retrofit of existing), such as the use of natural features (e.g. street trees, green roofs, rain gardens etc) and other materials such as permeable paving.</p> <ol style="list-style-type: none"> Develop mechanisms and communications channels to ensure adaptation and green infrastructure are promoted and embedded in future development and maintenance works, and connect with developers to showcase high quality, climate friendly and adapted infrastructure and building projects. Identify sites or projects for temporary greening on vacant and derelict land. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that new development proposed within County Mayo takes account of climate change in its design, through natural greening measures, in order to increase resilience to the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation. New development will be subject to EIA and AA at project level, as required.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to EIA and AA at project level, as required.</p>

		Characteristics of Potential Effects and Subject Area								
		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
		No significant negative environmental effects are predicted to result from the implementation of this Action.								
8	<p>Road Design & Maintenance Standards</p> <p>Research and work with TII to develop guidance on maintenance and design standards that address future climate change projections that impact on road structures, lifespan and use; Integrating climate change considerations at design / potential re-design stages; Explore the climate resilience of materials used in road construction and road finish; Examine options to reduce road settlement deterioration occurring from severe weather events.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by supplying guidance for the provision of more climate-resilient roads.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>Any road upgrade works, or new road developments will be subject to EIA and AA at project level, as required.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>Guidance on Maintenance and Design Standards prepared by TII will be implemented at a national level. As such, a potential transboundary effect is identified as a result of implementing this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>Any road upgrade works, or new road developments will be subject to EIA and AA at project level, as required.</p>	<p>The updated Road Maintenance and Design Standards will form National Guidance documents and will endeavor to result in more climate-resilient roads at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>Any road upgrade works, or new road developments will be subject to EIA and AA at project level, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>Any road upgrade works, or new road developments will be subject to EIA and AA at project level, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening</p> <p>Any road upgrade works, or new road developments will be subject to EIA and AA at project level, as required.</p>

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		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
9	<p>Roads Risk Register & Remedial Action List</p> <ol style="list-style-type: none"> Undertake a Risk Assessment of all public road infrastructure in Mayo to identify the potential hazards, impacts and consequences of climate change and climate events on their function and conditions. Develop and implement a Remedial Action List of public roads identified in the risk assessment and integrate into decision making processes for the road infrastructure programmes; design, planning and maintenance. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying key risks to public road infrastructure and integrating remedial action measures into decision-making to mitigate potential risks.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>This is likely to result in a positive effect on the population and human health in County Mayo</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject infrastructure is common to one or more county or administrative area.</p>	<p>Susuccessful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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		Potential for significant effects: probability, duration, frequency and reversibility	Potential cumulative effects	Potential transboundary effects	Potential risks to human health or the environment	Magnitude and spatial extent of the effects	Potential effects on natural or cultural heritage of subject area	Potential for exceeded environmental quality standards or limit values of subject area	Potential for intensive land-use of subject area	Potential effects on protected areas
10	<p>Integrated Coastal Zone Management Plan</p> <ol style="list-style-type: none"> Engage stakeholders to identify how Mayo can adapt to accommodate a dynamic and changing coast and live with increased coastal flood and erosion risk. Identify research and case studies, develop Guidance and Policies, and implement Coastal Restoration Plans to preserve, enhance and develop protective habitats of coastal ecosystems, dunes and wetlands, to protect critical infrastructure and assets from damaging storm surges. Develop an Integrated Coastal Zone Management Plan for County Mayo to ensure new developments take account of future risk from coastal erosion/storm surges and sea level rise, including the identification and restriction of development in coastal erosion zones where appropriate, and ecosystem-based adaptation actions to manage climate risk and build resilience to climate change. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing the resilience of the coastal zone, and existing and proposed development in proximity, to climate change, and by making provisions for the protection of coastal ecosystems.</p> <p>New development will be subject to EIA, AA and FRA, as required.</p> <p>A potential positive effect on biodiversity, population and human health and land and soils is identified as a result of implementing this Action.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where the positive effects of the successful coastal zone management measures are experienced along neighboring coastlines.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to EIA, AA and FRA, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>A potential positive effect on natural coastal features is predicted as a result of implementing this Action.</p> <p>New development will be subject to EIA, AA and FRA, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to EIA, AA and FRA, as required.</p>

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11	<p>Increase the Resilience of Housing & Building Stock</p> <ol style="list-style-type: none"> Increase awareness of private house owners and housing stock tenants to potential impacts on housing from climate change events and how best to look after their home to avoid or reduce impacts. This is to include updating the tenant’s handbook and the online communication and social media plan to provide the necessary climate change resilience. Identify old and derelict buildings that may cause a risk to public safety during extreme weather events and take appropriate action. Assess the vulnerability of the housing stock and Council buildings to climate events, such as flooding or storms. Review maintenance and repair standards, frequency and procedures for housing stock and Council buildings to address the expected increase in structural deterioration during extreme events. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing community awareness of the risk of climate change and its associated impacts, and by enabling residents to take action to avoid or reduce these risks. It will also assist the Council in identifying the most vulnerable housing stock and address the expected increase in structural deterioration of the same.</p> <p>A potential positive effect on the population and human health in Mayo is predicted as a result of the implementation of this Action.</p> <p>Demolition works will be subject to EIA and AA, as required.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>Demolition works will be subject to EIA and AA, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>Demolition works will be subject to EIA and AA, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>Demolition works will be subject to EIA and AA, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>Demolition works will be subject to EIA and AA, as required.</p>

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12	<p>Planning for Resilient Energy Networks</p> <ol style="list-style-type: none"> Encourage and enhance cooperation and communication with energy and service providers to ensure that energy infrastructure and services are resilient to the impacts of climate change. Encourage energy network companies and utility service providers to take account of climate change and its impacts in the design, planning, maintenance and development of energy and services networks and infrastructure by way of development plan policy and through the development management process. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing the resilience of existing and proposed energy infrastructure to the impacts of climate change.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>A potential positive effect on material assets in County Mayo is predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA, as required.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level</p>	<p>A potential (positive) transboundary effect is identified where energy networks are common to one or more county or administrative area.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development will be subject to EIA and AA, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA, as required.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p> <p>New development will be subject to EIA and AA, as required.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development will be subject to EIA and AA, as required.</p>

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		No significant negative environmental effects are predicted to result from the implementation of this Action.								
13	<p>Risk Assessment for Waste Management Activities</p> <ol style="list-style-type: none"> Carry out a Risk Assessment of the potential impacts of climate change on Mayo County Council waste management facilities to identify sites and processes most affected by climate change and formulate appropriate action plans to address the potential impacts. Work with the Connaught/Ulster Regional Waste Management Office, waste regulators and waste companies to build a shared understanding of the potential impacts of climate change on waste management policies and practices, and identify adaptation actions for waste management processes; engineering, operational, investment etc. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying key risks waste management facilities and identifying and formulating action plans to mitigate potential risks.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or ‘lessons learned’ are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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No	Goal 2 Actions									
1	<p>Build Awareness of Nature Based Adaptation Solutions Identify and promote nature-based solutions as potential low-cost win-win climate change adaptation and mitigation solutions to;</p> <ul style="list-style-type: none"> - Mitigate the effect of extreme weather events - reduce the impact of heavy rain and floods, improve the effectiveness of SUDs, improve air quality, and help reduce the urban heat effect through tree planting. - Help nature to adapt to climate change by strengthening habitat networks. - Reduce habitat fragmentation and provide opportunities for species to migrate. - Promote the restoration of natural processes as a means of increasing resilience. - Research and map areas considered beneficial for use as local carbon offset through carbon sequestration. <ol style="list-style-type: none"> 1. Develop and implement an awareness campaign around the role of the natural environment and its positive contribution to Climate Action (adaptation & mitigation) 2. Encourage the use of information boards at amenity, tourism, wilderness, natural landscape, cultural heritage and other appropriate locations across the county to bring awareness and encourage respect of the benefits of natural environment and its role in Climate Action. 	<p>This Action will successfully contribute to climate adaptation in County Mayo through the provision of nature-based, low-cost solutions to climate change adaptation.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity is identified as a result of reduced habitat fragmentation, strengthened habitat networks and enhanced biodiversity in County Mayo.</p> <p>This Action also has the potential to result in a positive effect on air quality and on human health through the commitment to improve air quality in County Mayo.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action through the maintenance of habitat connectivity and facilitation of species migration</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>This Action also has the potential to result in a positive effect on air quality and on human health through the commitment to improve air quality in County Mayo.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on features or areas of natural heritage is likely to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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	3.	Through the Arts Programme, raise awareness of climate change and the importance and potential for green solutions to tackle climate change.	No significant negative environmental effects are predicted to result from the implementation of this Action.								
2		<p>Biodiversity Management Plans Review Biodiversity Management Plans, Site Management Plans and other conservation strategies, plans and projects to ensure that:</p> <ol style="list-style-type: none"> The risks from current and projected climate change have been identified. These risks are addressed, and wherever possible incorporate adaptation measure. The carbon capture within habitats is considered. An examination of the changes of seasonality are considered. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring all biodiversity related risks are identified and addressed, where possible.</p> <p>A potential positive effect on biodiversity is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action through the maintenance of habitat connectivity and facilitation of species migration</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on features or areas of natural heritage is likely to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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3	<p>Support Biodiversity through Natural Pollination</p> <ol style="list-style-type: none"> Review the National Pollinator Plan to explore how Mayo County Council can support and a diversity of plant species to increase food sources and habitats for pollinators. Explore ways to reduce the impact of a longer growing season on lifecycles of bees and other pollinators in terms of food availability and lifecycles mismatch. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by seeking to reduce the impact of a longer growing season on bees and other pollinators.</p> <p>A potential positive effect on biodiversity is therefore likely to result from the implementation of this Action.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action as a result of increased habitat for mobile pollinators.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Purposes of AA Screening.</p>
4	<p>Neighbourhood Climate Action Plans Develop Neighbourhood Climate Action Plans to enhance, conserve and protect Biodiversity and green infrastructure.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo through the enhancement,</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action through</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of</p>

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		<p>conservation and protection of biodiversity and green infrastructure from the impacts of climate change.</p> <p>A potential positive effect on biodiversity is therefore likely to result from the implementation of this Action.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>the maintenance of habitat connectivity and facilitation of species migration</p>	<p>health and the environment from the effects of climate change.</p>		<p>implementation of this Action.</p> <p>A potential positive effect on features or areas of natural heritage is identified.</p>	<p>from the implementation of this Action.</p>		<p>Report for the Purposes of AA Screening.</p>
5	<p>Invasive Species Management Plan</p> <p>1. Review the Invasive Species Management Plan to ensure that; the relevant risks from current and projected climate change have been identified; invasive species whose spread is linked with climate change are identified; and appropriate</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that projected climate change is taken into</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further,</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of biodiversity management and</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the</p>

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2.	management techniques for their control are developed. Establish an invasive species programme to monitor the spread of terrestrial, aquatic and marine invasive species in a changing climate and control, invasive species where their spread is considered problematic.	consideration in Invasive Species Management Plans and ensuring invasive species whose spread is linked with climate change are identified and managed. A potential positive effect on biodiversity is therefore identified. A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation. No significant negative environmental effects are predicted to result from the implementation of this Action.	seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans. Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.	conservation measures where natural areas are common to one or more county or administrative area, through the control of invasive species.	environment from the effects of climate change.		A potential positive effect on areas of natural heritage is identified.	implementation of this Action.		Purposes of AA Screening.
6	Peatland Management Plan Identify damaged Peatlands in the county and those at risk from climate change and becoming carbon emitters. Develop a Peatland Management Strategy to conserve and manage of Mayo's peatlands, particularly those sites nominated for designation as Special Areas of Conservation and Natural Heritage Area, to	This Action will successfully contribute to climate adaptation in County Mayo by endeavoring to preserve peatland habitat in Mayo and	In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government	A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where peatlands are common to one or	Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from	This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.	No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.	No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the	No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.	No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the

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	preserve the habitat and their role as carbon sinks.	<p>their role as carbon sinks.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is likely to result from the implementation of this Action.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	more county or administrative area.	the effects of climate change.		A potential positive effect on areas or features, specifically peatlands, is likely to result from the implementation of this Action.	implementation of this Action.		Purposes of AA Screening.
7	<p>Database of Impacts on the Natural Environment</p> <p>Establish and develop an evidence database of ecosystem health measures and indicators of the effects of climate change, and their impact on the natural environment, that will inform adaptation policy and management.</p>	This Action will successfully contribute to climate adaptation in County Mayo by identifying measures and indicators of climate change	In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government	A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other	Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from	This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.	No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.	No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the	No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.	No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the

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		<p>impacts on the natural environment in order to inform adaptation policy and management.</p> <p>A potential positive effect on biodiversity is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	administrative areas.	the effects of climate change.		A potential positive effect on areas of natural heritage is identified, through increased integration of ecosystem health measures in adaptation policy and management.	implementation of this Action.		Purposes of AA Screening.
8	<p>Climate Action in Agriculture and Local Food Supply</p> <ol style="list-style-type: none"> Foster and support the development of resilience in local food supply systems and communities. Implement the Agricultural Strategy. 	This Action will successfully contribute to climate adaptation in County Mayo through enhanced resilience in local food supply.	In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/	A potential positive transboundary effect is identified, where enhanced resilience in food supply has the potential to benefit communities outside of County Mayo, as a result of	Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from	This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.	No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.	No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.	No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.	No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.

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		<p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>food distribution and export.</p>	<p>the effects of climate change.</p>					
9	<p>Promotion of Green Infrastructure</p> <ol style="list-style-type: none"> Promote green infrastructure and sustainable design in the built environment to help nature to adapt to climate change by strengthening habitat networks, reducing habitat fragmentation and providing opportunities for species to migrate. Undertake natural capital accounting in all sectors to ensure natural capital is being valued and Ecosystem Based 	<p>This Action will successfully contribute to climate adaptation in County Mayo through the strengthening of habitat networks, reducing habitat fragmentation and providing</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action through the maintenance of habitat connectivity and facilitation of species migration</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on areas of</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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	Adaptation and green Infrastructure options are being employed.	<p>opportunities for species to migrate.</p> <p>A likely positive effect on biodiversity is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>				natural heritage is identified as a result of enhanced ecosystem adaptation.			
10	<p>Enhancement & Restoration of Natural Systems</p> <p>Work with the Department of Culture, Heritage & the Gaeltacht to enhance and restore natural systems through management to increase resilience – starting with hydrological processes (freshwater and marine), carbon processes (for bogs) and pollination.</p>	This Action will successfully contribute to climate adaptation in County Mayo through the enhancement and restoration of natural systems to increase resilience to climate change.	In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been	A potential (positive) transboundary effect is predicted to result from the implementation of this Action through the maintenance of habitat connectivity and facilitation of species migration.	Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.	This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.	No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action. A potential positive effect on areas of natural heritage is	No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.	No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.	No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.

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		<p>A likely positive effect on biodiversity is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>				<p>identified as a result of their enhanced resilience to climate change.</p>			
11	<p>Species Spatial Responses Identify and implement measures to reduce the barrier effects of roads, railways and technical objects in rivers and streams to facilitate species spatial responses to climate change.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by facilitating species spatial responses to climate change.</p> <p>A positive effect on biodiversity is therefore identified.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action through the maintenance of habitat connectivity and facilitation of species migration</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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		<p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>							
12	<p>Cultural & Heritage Risk Register, Monitoring & Maintenance Strategy</p> <ol style="list-style-type: none"> Develop a climate risk register of cultural and heritage sites/assets in the county to include a consideration of flood risk and sea level rise, high temperatures, extreme wind and precipitation events and increased tourism. Monitor the effects of climate change on cultural and heritage sites/assets in the county to inform adaptation policy and management and support 	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying and monitoring risks to features or areas of cultural and natural heritage, and through supporting appropriate maintenance and repair programmes.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on features of cultural heritage is predicted as a result of the identification</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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	<p>the appropriate maintenance and repair programmes.</p> <p>3. Engage with communities to develop community-based adaptation plans.</p>	<p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>A potential positive effect on features of cultural heritage is predicted as a result of the identification of critical risks from climate change, and the subsequent development maintenance and repair programmes to reduce or remedy these risks.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>				<p>of critical risks from climate change, and the subsequent development maintenance and repair programmes to reduce or remedy these risks.</p>			
13	<p>Impacts of Cultural & Heritage losses on Tourism</p> <p>1. Carry out an analysis potentially for loss of tourism resources as a consequence of climate change impacts on heritage, cultural and amenity sites.</p> <p>2. Undertake cost-benefit analysis of adaptation investment for high risk sites which are also priority for tourism.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by investigating the feasibility of implementing adaptation investment measures for sites</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A potential positive effect on</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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		<p>of cultural heritage and amenity value.</p> <p>A potential positive effect on architectural and cultural heritage, as well as the population of County Mayo is therefore identified.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>				<p>architectural and cultural heritage, as well as the population of County Mayo is likely to result from the implementation of this Action by investigating the feasibility of implementing adaptation investment measures for sites of cultural heritage and amenity value.</p>			

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14	<p>Improved Maintenance Plans for Heritage Works Integrate climate change adaptation into all heritage works and maintenance plans, and redesign, protect or relocate access, visitor services, drainage and other infrastructure to provide maximum protection for heritage against climate impacts.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by making provisions for the protection of heritage against climate impacts.</p> <p>A likely positive effect on archaeology and cultural heritage is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p> <p>A likely positive effect on areas or features of cultural heritage is likely to result from the implementation of this Action through the protection of heritage against climate impacts.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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No	Goal 3 Actions									
1	<p>Flood Protection Schemes Work with the OPW and other organisations to identify and support the development of Major and Minor Flood Protection and Flood Proofing Schemes around the County.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by supporting the development of flood protection and proofing schemes in County Mayo.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events. Flood protection and proofing schemes will be subject to EIA and AA, as required. No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>Flood protection and proofing schemes will be subject to EIA and AA, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>Flood protection and proofing schemes will be subject to EIA and AA, as required.</p>

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2	<p>Register of Hard & Soft Flood Protection Infrastructure</p> <ol style="list-style-type: none"> Identify and develop a register of existing hard and soft flood protection infrastructure around the county. Carry out a climate resilience review and risk assessment, considering the condition of the infrastructure, the design capacity, and the vulnerability of receptors if the infrastructure fails. Develop a maintenance programme to maintain the integrity of the infrastructure. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by maintaining the integrity of existing flood protection infrastructure in County Mayo.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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3	<p>Natural Flood Management Projects</p> <ol style="list-style-type: none"> Identify opportunities for natural flood management or other enhancement projects arising from the flood risk assessments. Identify areas to increase tree and vegetation cover that could reduce stormwater runoff and protect against erosion, and also lower surface and air temperatures by providing shade and cooling through evapotranspiration. Investigate land management opportunities for water attenuation in council owned lands. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by enhancing flood risk management in the County through natural flood management measures.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events, and through the introduction of vegetation and tree planting.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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4	<p>Flood Buffer Zones Identify protective measures and acquisitions to manage ecosystems in buffer zones along rivers, lakes, reservoirs and coasts for flood control and water quality management.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by enhancing flood control and water quality management through natural management measures.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events, and through the protection and management of ecosystems.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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5	<p>Identification of Infrastructure at Risk from Flooding Identify and assess infrastructure/buildings at risk from flooding/extreme rainfall to inform site protection plans and the development of low-cost minor works flood relief schemes.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying and assessing infrastructure and buildings at risk from flooding and extreme rainfall and the implementation of appropriate mitigation measures where risks are identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject infrastructure is common to one or more county or administrative area.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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6	<p>Watercourse Maintenance Works Identify, assess and develop multi-annual maintenance programmes, in conjunction with the OPW, for watercourses and coastlines where such works would substantially reduce flood risk.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by reducing the risk of flooding and the impacts of the same on watercourses and coastlines.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject water bodies are common to one or more county or administrative area.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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7	<p>Protection of Floodplains and Wetlands Identify, protect and enhance the county's floodplains, wetlands and coastal areas subject to flooding, as green infrastructure, to provide space for storage and conveyance of floodwater.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo through the protection of flood plains, wetlands and coastal areas in County Mayo.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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8	<p>Surcharging Combined Sewers Work with Irish Water to identify combined sewers that are at risk of surcharging during extreme rainfall events and develop suitable solutions.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by reducing the risk of sewers surcharging.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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9	<p>Green Infrastructure to Reduce Urban Flooding</p> <ol style="list-style-type: none"> Identify and develop locations for green infrastructure to reduce runoff and stormwater flows that may otherwise exceed system capacity; bio-retention areas (rain gardens), green roofs, swales (depressions to capture water) and the use of vegetation or pervious materials instead of impervious surfaces. Identify and develop mechanisms to promote de-paving of front gardens, school grounds, etc and introduce permeable surfaces. Encourage householders to green and enhance their gardens e.g. encourage development of rain gardens in domestic properties to reduce flood risk. Demonstrate de-paving/porous paths/rain gardens/ low maintenance gardens to encourage re-greening. To require, where feasible and practical, the provision of green roof technology for all new public buildings to assist in flood alleviation, insulation and improved biodiversity, and to actively promote these measures where appropriate in new commercial and industrial buildings. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by enhancing the use of green infrastructure to reduce urban flooding in County Mayo.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events, as well as from the introduction of increased biodiversity in the County.</p> <p>Any new development will be subject to EIA and AA, as required.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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10	<p>Surface Water Management Plans</p> <ol style="list-style-type: none"> Identify and map areas prone to surface water and groundwater flood risk. Develop Surface Water Management Plans to manage surface water flood risks in the areas identified. Priorities and implement Surface Water Management Plans/Projects on a risk bases. 	<p>This Action will successfully contribute to climate adaptation in County Mayo through the management of surface water flood risks in areas prone to the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation. A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events. No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject water bodies are common to one or more county or administrative area.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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11	<p>Areas Isolated by Flooding Identify areas susceptible to isolation as a consequence of flooding and establish measures to reduce the risk and preparedness to respond.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo through the management of surface water flood risks in areas prone to the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of flood relief and flood prevention measures, as well as adoption and promotion of sustainable drainage systems, where there is potential for subsequent positive effects on downstream locations.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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12	<p>Building Community Resilience to Flooding Engage with local communities to build awareness of flood risk, to allow individuals and business build resilience and to develop actions that allow communities prepare for flood events to reduce the overall impact.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing awareness of, and encouraging preparedness for, flood events within communities to reduce the overall impact of the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>A potential positive effect on biodiversity and land and soil is also identified as a result of reduced risk of the effects of extreme flood events.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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13	<p>Flood Risk Training Identify and address knowledge gaps in Flood Risk Management and Flood Risk Assessments.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by addressing knowledge in flood risk management and assessments.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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14	<p>Research Coastal Erosion & Sea Level Rise Identify research, case studies and improve awareness of current and future coastal change along the Mayo coast and in the wider context of the Atlantic Seaboard.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing knowledge and awareness of coastal change in Mayo and along the Atlantic Seaboard.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential positive transboundary effect is identified where increased knowledge and awareness of coastal change is achieved relevant to those other Counties along the Atlantic Seaboard.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative and transboundary effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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15	<p>Protection of Public Water Supplies</p> <ol style="list-style-type: none"> 1. Work with and support Irish Water in identifying public drinking water sources vulnerable to climate change and to develop source protection, or alternative sources, in order to maintain water quantity and quality levels. 2. Work with Irish Water to identify impacts of power outages of varying durations on specific Water and Wastewater Scheme operations and identify critical and vulnerable receptors. 3. Liaise, support and work with IW in the development, conservation and upgrade of the water supply systems so as to ensure that County Mayo has an adequate supply of water to address climate change demands. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by protecting the public water supply from the effects of climate change.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject infrastructure is common to one or more county or administrative area</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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16	<p>Protection of Private GWS Water Supplies Work with and support private Group Water Schemes to identify drinking water sources vulnerable to climate change and to develop source protection, or alternative sources, in order to maintain water quantity and quality levels.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by protecting private GWS water supply from the effects of climate change.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is predicted to result from the implementation of this Action, where the subject infrastructure is common to one or more county or administrative area</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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17	<p>Internal Water Conservation Develop and implement water conservation, energy management, and waste management programmes in all Mayo County Council office buildings.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by developing and implementing water conservation, energy management, and waste management programmes in Council office buildings.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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18	<p>Water Quality Monitoring Monitor surface water conditions during/after climate events to build an understanding of conditions and the factors that alter water quality.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by improving knowledge of the effects of extreme weather events on water quality.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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19	<p>Septic Tanks & Ground Water Vulnerability Identify areas at risk of groundwater pollution from septic tanks, taking into account projected climate change, the vulnerability of the aquifer, high groundwater table and a high concentration of septic tanks.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by identifying areas at risk from groundwater pollution from climate change.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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20	<p>Stakeholder Engagement Liaise and work with other bodies, agencies responsible for the management of water courses.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by offering the potential for a more coordinated, consistent and effective approach to water management in the County.</p> <p>A potential positive effect on water quality is therefore identified.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential positive transboundary effect on water quality is identified as a result of any enhanced communication and resultant potential for more coordinated, consistent and effective approach to water management.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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No	Goal 4 Actions									
1	<p>Business Continuity Plan Develop Business Continuity Plan to identify and address the impacts associated with extreme weather events on all functions/services of Mayo County Council and put in place measures to maintain an acceptable level of service.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by implementing measures to maintain an acceptable level of functions and services in Mayo in the event of extreme weather events.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>		<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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2	<p>Service Delivery Programme Integrate Climate Adaptation into the Service Delivery Programme and include in Team Development Plans and Personal Development Plans to enable actions to be directly pursued under each operational area.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by implementing measures to maintain an acceptable level of functions and services in Mayo in the event of extreme weather events.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>		<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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3	<p>Climate Change Awareness</p> <ol style="list-style-type: none"> Internal Awareness Training Develop a Climate Change and Adaptation Training Program to educate staff and provide a basic understanding of the projected range of changes in temperature and precipitation, the increase in the frequency and magnitude of extreme weather events for their region and how these changes may affect the LA's assets and operations. Community Awareness Campaign Through public participation network and working with relevant agencies, develop a Climate Change awareness campaign to inform the public of the projected range of changes and their impacts, and identify mitigation and adaptation priorities through an inclusive stakeholder consultation process. Use educational projects in schools or through community events as opportunities to disseminate climate change information to the public. Develop Training Programmes Work with training providers to develop training/awareness programmes for people in communities around climate adaptation. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing awareness of climate change and its associated impacts among the community.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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4	<p>Community Resilience Plans</p> <ol style="list-style-type: none"> Identify communities vulnerable to climate change and extreme events. Developing and implement a Community Resilience Plan for a structured community coordination to drive climate preparedness and resilience at local level and respond to the impacts of climate change locally. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by promoting and enabling climate preparedness and resilience at local level and respond to the impacts of climate change locally.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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5	<p>Knowledge Sharing</p> <ol style="list-style-type: none"> Promote adaptation through providing advice and support to local businesses and organisations on adaptation and undertaking research into tackling the challenges of the impacts of climate change. Collate and showcase successes and best practice on adaptation and mitigation and provide support to those looking to take independent adaptation action. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing awareness of climate change and its associated impacts among the community.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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6	<p>Community Toolkits & Climate Leaders</p> <ol style="list-style-type: none"> Identify, promote and support individuals and communities to be champions for adaptation and sustainable living. Develop a package of resources to support community groups to start conversations about becoming more climate resilient, potentially consisting of short presentations, workshop guide and information sheets. Workshops can be run with different community groups and aim to raise awareness of the need to adapt to local impacts and reduce emissions as a first stage in preparing a community resilience action plan. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by increasing awareness of climate change and its associated impacts among the community.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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7	<p>Festivals & Events Integrate climate change considerations in the planning and development stage for festivals/events and consider contingency planning for extreme weather events.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by integrating climate change considerations in the planning and development stage for festivals/events and consider contingency planning for extreme weather events.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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8	<p>Project Funding</p> <ol style="list-style-type: none"> For projects subject to funding and investment of public money, include climate change considerations as criteria for assessment ultimately ensuring that community projects are designed and developed to be climate resilient and/or are proactive in promoting and working positively towards climate action. Identify funding streams for local climate action projects and support communities in developing and implementing climate adaptation projects at local level. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring climate change considerations are integrated into the design and development of publicly funded projects.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>New development will be subject to EIA and AA, as required.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p> <p>New development projects will be subject to EIA and AA, as required.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p> <p>New development projects will be subject to EIA and AA, as required.</p>

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9	<p>Emergency Response Plans</p> <ol style="list-style-type: none"> Review and update the Emergency Response Plans to take account of the changing climate, frequency and severity of climatic events. Ensure that Flood Emergency Response Plans are reviewed annually to reflect the increasing flood risk, flood alert systems, communications strategy and the resource capacity required to provide an effective response. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that emergency response plans for County Mayo adequately address potential for extreme weather events and potential impacts of the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where potential emergencies occur or effect one or more county or administrative area.</p>	<p>The preparation of a robust emergency response plan is likely to result in a reduced risk to human health and the environment as a result of enhanced preparedness for, and management of extreme weather events, and other major accidents/disasters, should they occur.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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10	<p>Health & Safety Plans Review and update the Health & Safety Statements and Risk Assessments to take account of the changing climate, frequency and severity of climatic events.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by ensuring that Health & Safety Statements and Risk Assessments for County Mayo adequately address potential for extreme weather events and potential impacts of the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>The preparation of robust Health & Safety Statements and Risk Assessments is likely to result in a reduced risk to human health and the environment as a result of enhanced preparedness for, and management of, extreme weather events, and other major accidents/ disasters, should they occur.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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11	<p>Capturing Costs of Climate Events Develop procedures and templates to ensure that the financial aspects of extreme weather are collated, recorded and reported to operational and senior management team.</p>	<p>This Action will successfully contribute to climate adaptation in County Mayo by enabling the Council to provide adequate funds for the management of extreme weather events in the County.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>A potential (positive) transboundary effect is identified where information gained, or 'lessons learned' are shared with other administrative areas.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>

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12	<p>Promoting Opportunities & Supporting Business</p> <ol style="list-style-type: none"> 1. Identify, source and leverage funding streams for the active implementation of adaptation actions that will contribute both environmentally and economically to Mayo. 2. Through the work of the LEO Mayo, support, encourage and nurture new ideas seeking to capture opportunities associated with environmental and technological advances that support Climate Adaptation and Climate Mitigation. 3. Develop a Climate Change Awareness Programme for business and start-ups to inform them of climate action measures that can be integrated into business activities, and identify business supports and funding options to businesses seeking to become more resilient to climate change events. 4. Encourage and promote projects that will contribute positively and grow the Circular and Bio-economy to promote sustainable rural and urban economic development as part of the overall aim of transiting to a low carbon economy. 	<p>This Action will successfully contribute to climate adaptation in County Mayo by supporting external climate change adaptation and mitigation initiatives and increasing community awareness of the same.</p> <p>A potential positive effect on the population of Mayo is predicted as a result of enhanced climate adaptation.</p> <p>No significant negative environmental effects are predicted to result from the implementation of this Action.</p>	<p>In accordance with the National Adaptation Strategy, each LA is required to make and adopt local adaptation strategies. Further, seven Government Departments/ Agencies have been identified with responsibility for twelve priority sectors which are required to prepare sectoral adaptation plans.</p> <p>Where enhanced resilience to climate change is achieved in each of these LA areas or Sectors, a potential cumulative (positive) effect is identified with regards climate adaptation at a national level.</p>	<p>No transboundary effects are predicted to result from the implementation of this Action.</p>	<p>Successful implementation of the Draft Adaptation Strategy is likely to result in an overall reduced risk to human health and the environment from the effects of climate change.</p>	<p>This Action will affect the subject area of County Mayo, with potential for cumulative effects at a national level.</p>	<p>No potential effects on the natural or cultural heritage of County Mayo are predicted to result from the implementation of this Action.</p>	<p>No potential exceedance in environmental quality standards or limit values in County Mayo are predicted to result from the implementation of this Action.</p>	<p>No. This Action does not make provisions for or determine land-use within the subject area of County Mayo.</p>	<p>No potential effects on protected areas are predicted to result from the implementation of this Action- Refer to findings of Report for the Purposes of AA Screening.</p>