

Scheme Climate Change Adaptation Plan

What are the Objectives of the Scheme Climate Change Adaptation Plan (CCAP)?

The CCAP is being developed as per National Climate Policy and the Climate Change Sectoral Adaptation Plan for Flood Risk Management (2019).

The CCAP ensures that the flood relief scheme is designed with consideration given to the future flood risk and is readily adaptable to modifications to manage this future flood risk.

The CCAP ensures that these modifications are planned and sequenced in anticipation of and in response to increasing future flood risk.

The CCAP will consider the uncertainty associated with future increases in flood risk and the flexibility of the implementation of planned interventions.

Approaches to Climate Change Adaptation

There are four measures which can be taken, known as the four A's:

Assumptive Approach

Scheme elements designed and constructed in the present day to account for an assumed future flood risk scenario (higher present day Standard of Protection [SoP])

Adaptive Approach

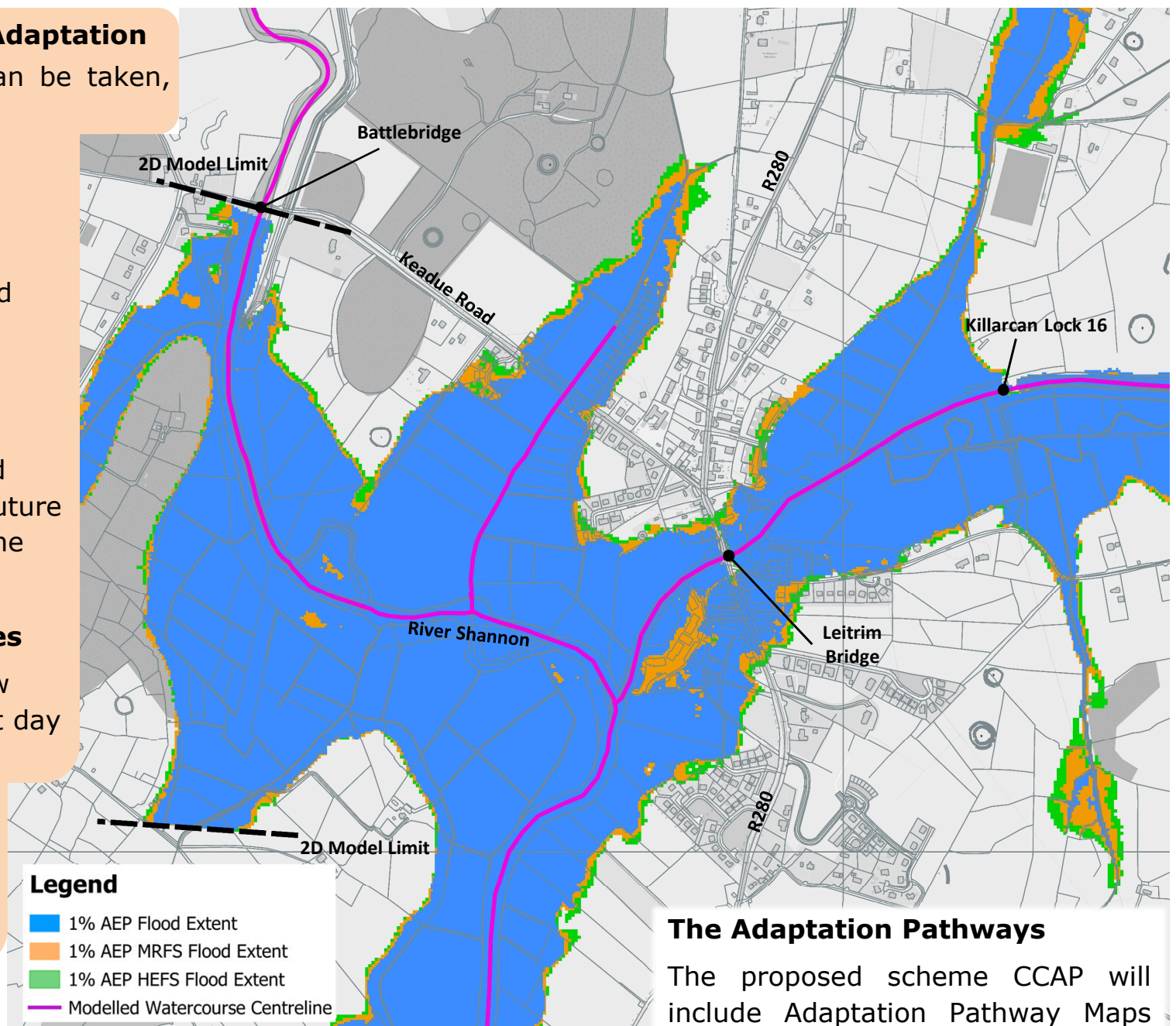
Scheme elements are designed and built in the present day to permit future changes to maintain the SoP into the future.

Alternative/ Additional Measures

Constructing and implementing new measures in addition to the present day scheme in the future.

Acceptance

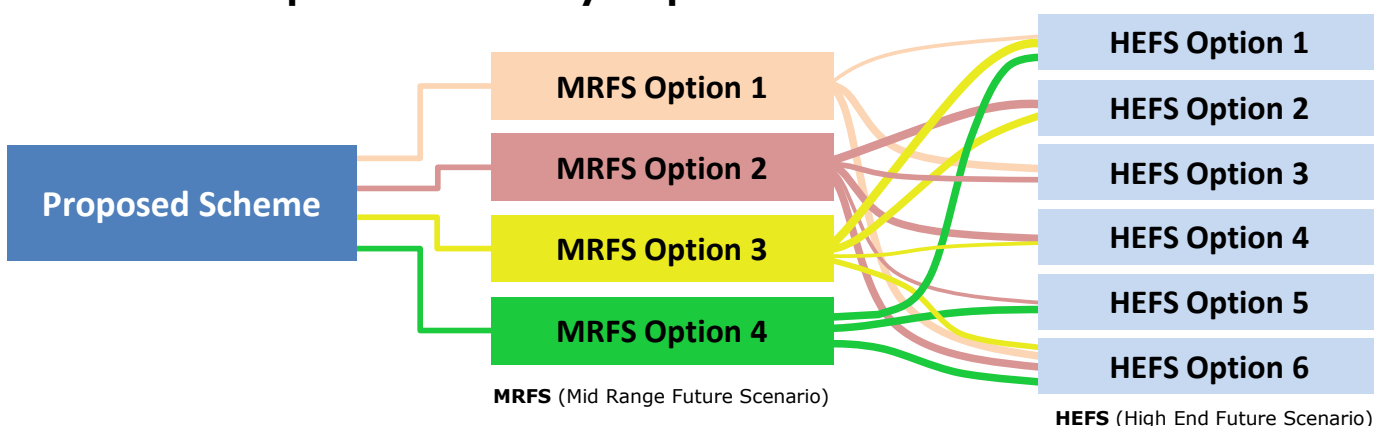
Accepting a reduced SoP into the future and improving non-structural responses to flood risk.



The Adaptation Pathways

The proposed scheme CCAP will include Adaptation Pathway Maps for the various scheme areas and flood cells. These will involve identifying the requirement for future adaptation, identifying the potential measures, assessing the viability of the potential measures, setting out the trigger points for implementation of the measures and mapping out the adaptation pathways in pathway maps.

Indicative Adaptation Pathway Map



The Leitrim Village Flood Relief Scheme CCAP will remain a **live document** and will be reviewed on an ongoing basis throughout the project lifecycle. The plan will be adapted as required as new knowledge and research on climate change as applicable to Leitrim Village develops. The adaptation pathways can then be refined if required and measures can be implemented as appropriate.