



# Decision support introduction

Decision support pages have been created to help users navigate to case studies and techniques which may be relevant to their site. These have been split into general project aims (listed in *Section 2*). There are different types of support for each aim because of the different types of project found underneath them. Some decision support pages group case studies based on the extent to which they work with natural processes, whilst others take a more structured approach to selecting the right example for a site.

A description of each decision support page is provided below:



DS1

## Restoring meanders to straightened rivers

This page describes the principles behind re-meandering and the different types of meandering channels that can be restored. Case studies are separated based on the level of physical and historic evidence available, as this heavily influences the design process. Users are able to navigate to case studies with similar levels of evidence to their site.



DS2

## Improving channel morphology

Case studies are split into 'over-deepened' and 'over-widened' based on their pre-restored state. This allows users to navigate to case studies with similar modifications to their site. Case studies are sorted further based on the degree to which they work with natural processes which is often defined by site constraints such as urban land use and infrastructure.



DS3

## Removing or bypassing barriers

This page provides a decision support process for selecting techniques to mitigate the effects of barriers. Users can identify an example of a suitable technique which maximises the benefits for fish passage, hydromorphological processes and biodiversity within the constraints and characteristics of their site.



DS4

## Green bank protection

Case studies are grouped by channel gradient so that users can easily identify case studies relevant to the energy at their site. A further grouping is based on the degree to which they work with natural processes, which is often defined by site constraints such as urban land use and infrastructure. Links to other decision support resources are also provided.



DS5

## Natural flood management

This page groups case studies based on the level of energy to allow users to identify case studies relevant to their catchment. Case studies are sorted further based on the degree to which they work with natural processes. This page also provides links to resources which contain more evidence, guidance and case studies.