

# Research and analysis: Working with natural processes to reduce flood risk

*Updated:* The Evidence Directory report was updated in February 2018. The alterations include updates to the wording in Figure 1.3, additional references to literature on fluvial audits, and greater cross-reference to the Brackenhurst case study.

Working with Natural Processes (WWNP) to reduce flood and coastal erosion risk (FCRM) involves implementing measures that help to protect, restore and emulate the natural functions of catchments, floodplains, rivers and the coast. WWNP takes many different forms and can be applied in urban and rural areas, and on rivers, estuaries and coasts.

There has been much research on WWNP, but it has never been synthesised into one location. This has meant that it has been hard for flood risk managers to access up-to-date information on WWNP measures and to understand their potential benefits.

The outputs can be used by those planning projects which include WWNP measures to help understand:

- their potential FCRM benefits and multiple benefits
- any gaps in knowledge
- where it has been done before and any lessons learnt
- where in a catchment they might be most effective