

Monitoring and evaluating the DEFRA funded Natural Flood Management projects v.18

DEFRA expects the Environment Agency to report back to them to explain to what extent these projects:

1. reduced flood or coastal erosion risk to homes
2. improved habitats and increased biodiversity
3. supported and developed partnership working with and between communities
4. contributed to research and development

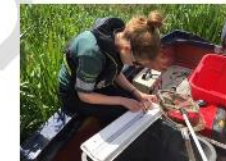


Monitoring and evaluating the DEFRA funded Natural Flood Management projects



Actions we will take include:

- Learning from the £15m Natural Flood Management funding to develop our knowledge, identifying and promoting practical solutions for local implementation.



Version 18

20 July 2018

<https://catchmentbasedapproach.org/wp-content/uploads/2018/11/NFM-MonitoringObjectivesFINAL-v18.pdf>

Key Monitoring Objectives

FR1	Understand the distribution of and the type and extent of measures
FR2	Understand flood storage and flow interception
FR3	Understand how the measures affect flow, particularly high flows
FR4	Understand the operational maintenance requirements of the NFM measures
HB1	Quantify habitat directly created, restored and/or changed
HB2	Estimate the contribution of the habitat created or improved to the improved ecological functioning of the wider environment
ES1	Sort and qualify the multiple benefits achieved in a nationally consistent way
PAR1	Understand the types of partnerships and funding routes that were established
PAR2	Understand the engagement
RES1	Measurements to establish change to hydraulic roughness
RES2	Measurements to establish changes to soil infiltration and storage
RES3	Measurements to establish effect on sediment and water quality
RES4	Measurements to establish effect on low flows

Key Monitoring Objectives

Key message from National are that while information on all objectives is desirable the key priorities are:

1. Difference to flood risk
2. Improved habitat and biodiversity
3. Water quality

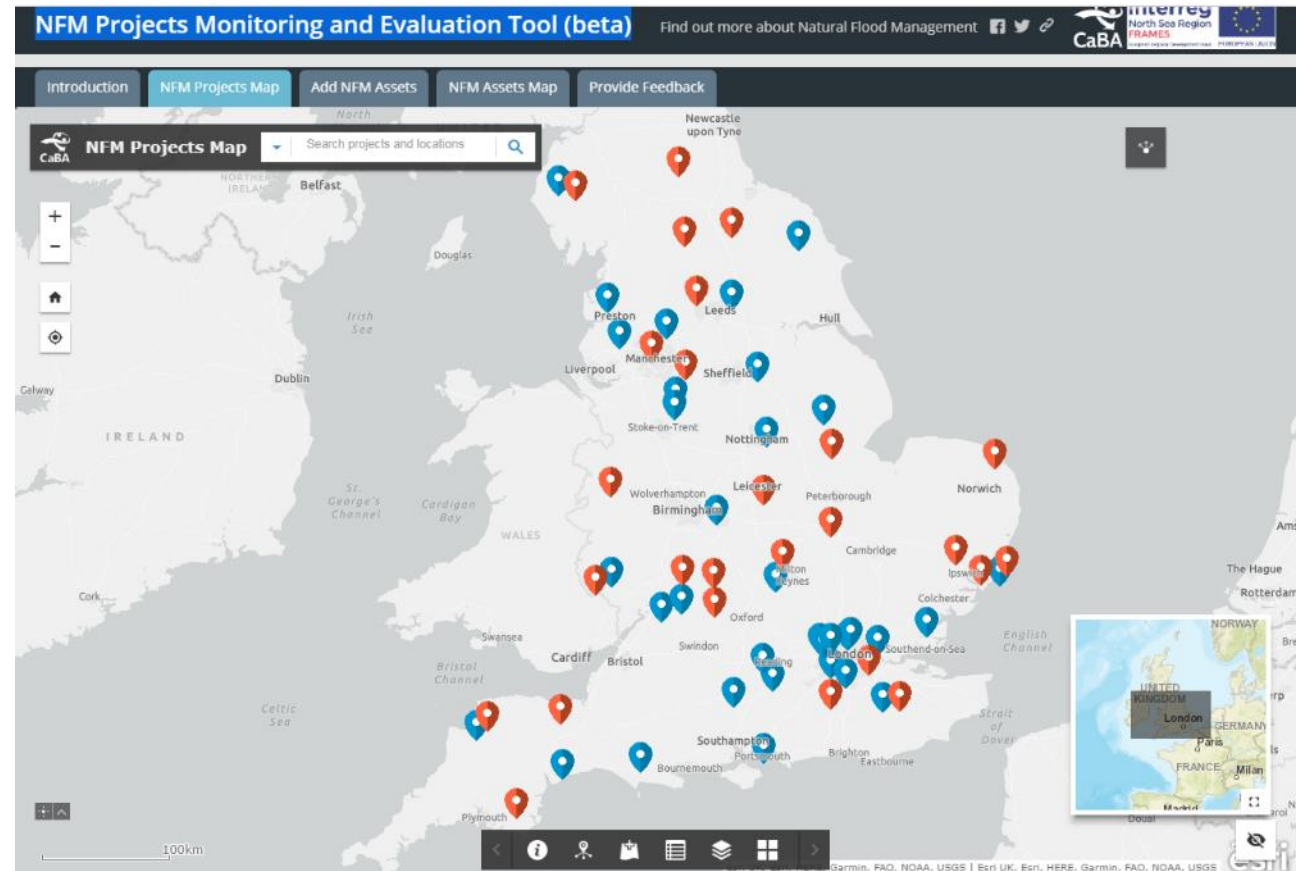
Key Monitoring Objectives

NFM Projects Monitoring and Evaluation Tool (beta)

Monitoring and Evaluating Natural Flood Management

Tool has been built to support the monitoring and evaluation requirements for the 60 Defra-funded NFM catchment and community projects.

<https://tinyurl.com/y8fzswry>

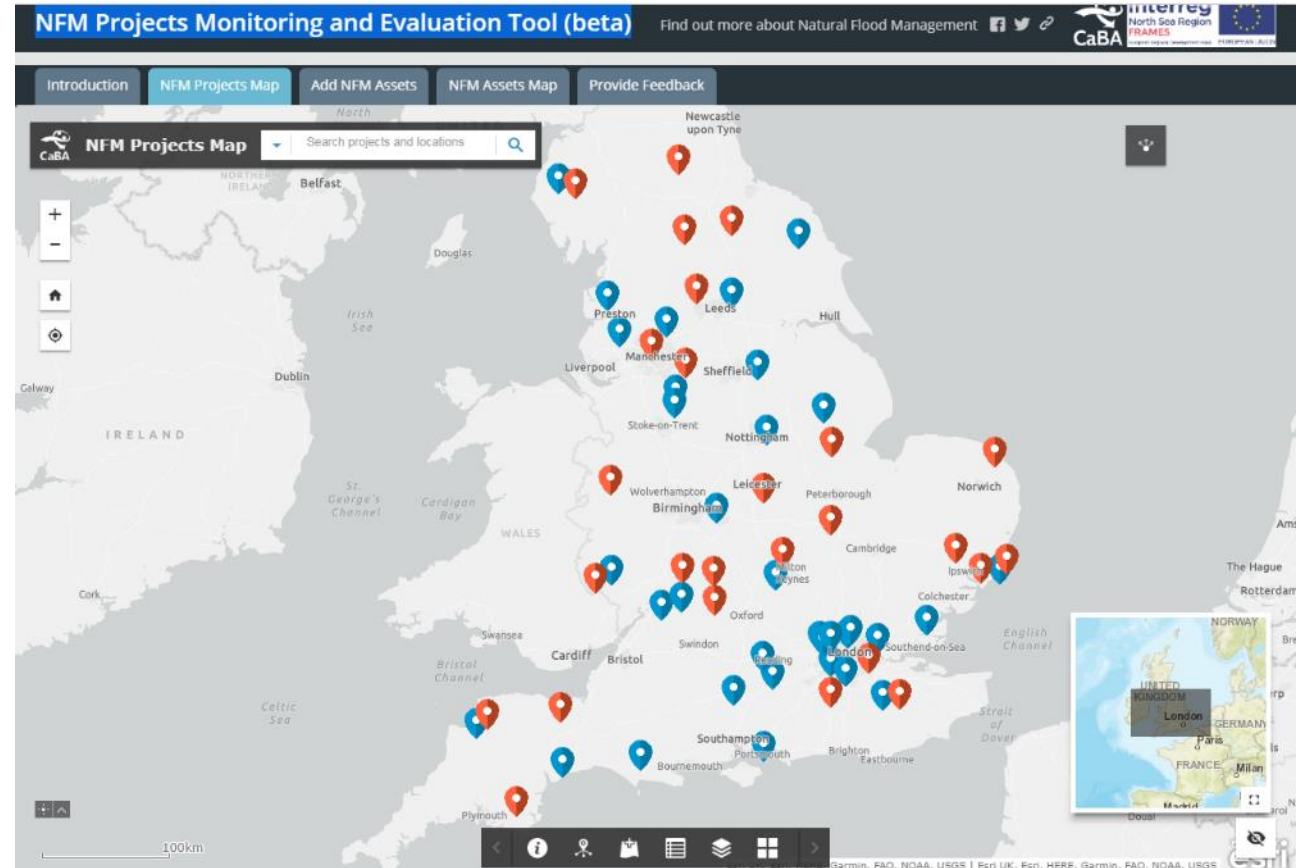


Key Monitoring Objectives

NFM assets can be added using two methods:

Online form

Offline via survey123 app
<https://survey123.arcgis.com/>



Key Monitoring Objectives

Multiple Benefits – evidence wheels

Data analysis

Both covered in future workshops