

Supplementary Table 1: This table provides a detailed description of each dataset, with access made available upon request.

<i>Name of Dataset</i>	<i>Format</i>	<i>Scale</i>	<i>Description/Purpose</i>	<i>Year Published</i>
<i>NFM_Assets_v2.4_2021</i>	.shp	Point (Lat, Long)	4,428 individual NFM assets created between 2017 – 2021. Used to identify discrepancies between projects and individual assets.	2021
<i>DEFRA_15m_NFM_Pilot_Projects_2021</i>	.shp	Point (Lat, Long)	86 Individual NFM projects cleaned down to 34 community projects for 2017 – 2021 funding. Used to identify the locations that received NFM funding from DEFRA grants.	2021
<i>NFM_25m_NFM_Projects_2023</i>	.shp	Point (Lat, Long)	41 Individual Projects created in ArcGIS Pro for 2023+ funded NFM projects. Identified manually, and used to compare how funding inequalities may have changed between 2017 and 2023.	N/A
<i>LSOA_IMD_2019 (OSGB1936)</i>	.shp	Polygon (LSOA)	33,755 Lower Super Output Area polygons linked to the Index of Multiple Deprivation 2019 values by rank and decile. Used to spatially join the location of NFM features to deprivation scores.	2019
<i>RUC_LSOA_2011</i>	.csv	LSOA (Coded)	33,755 Lower Super Output Area cell values linked to the Rural Urban Classification 2011 by code and name.	2011

			Used to classify NFM features as either rural or urban to identify different dynamics between classes.	
<i>MSOA_DEC_2021</i>	.shp	Polygon (MSOA)	7,264 Middle Super Output Area polygons unlinked to any data. This is simply for joining the age by single year information.	2021
<i>Age_by_single_year_2021</i>	.xlsx	MSOA (Coded)	7,264 Middle Super Output Area cell values for Age in 2021. This data was processed to create an average age per MSOA, and then joined to the MSOA_2021 polygons.	
<i>£25m Application Pack</i>	.zip folder	N/A	A collection of documentation on the screening and application process for the 2023 NFM programme. Used to identify areas of potential inequality in the application process.	N/A
<i>FOI-NR366962</i>	.xlsx	Point (Grid Referenced)	An Excel document containing the Non-Funded Applications for both the 2017 and 2023 NFM funding schemes. Used to identify the demographics of projects that were not selected for funding compared to where was funded.	N/A
<i>Project Proposal Application Form</i>	.xlsx	N/A	An example of the application form for the 2023 funding which	N/A

			can be referenced to understand the process of application to the grant.	
<i>HoC GE2019 results by constituency</i>	.xlsx	Constituency	7,638 Electoral Wards showing the results of the winning seat for each ward in 2019's General Election, UK.	2017
<i>HoC GE2017 results by constituency</i>	.xlsx	Constituency	7,638 Electoral Wards showing the results of the winning seat for each ward in 2017's General Election, UK.	2017
<i>England_and_Wales_LSOA_flood_and_social_vulnerability_data</i>	.xlsx	LSOA (Coded)	33,755 Lower Super Output Area cell values showing if the LSOA is affected by <10%, 10%< x <50%, or <50% flooding. Used to identify whether the LSOA selected for NFM funding has an overall high-risk of flooding for residents.	2023