ANNEX 2 Field:	: Records of future flo Flood ID	ods and their consequences (preliminary assessment report spreadsheet)  Description of assessment method	Name of Location	National Grid Reference	Location Description	Name	Flood modelled	Probability	Main source of flooding	Additional source(s) of flooding	Confidence in main source of flooding
Mandatory / optional: Format: Notes:	Mandatory Unique number between 1-9999 A sequential number starting at 1 and incrementing by 1 for each record.	Max 1,000 characters  Description of the future flood information and how it has been produced. Cover Regulation 12(6) requirements of (a) topography, (b) the location of watercourses, (c) the location of flood plains that retain flood water, (d) the characteristics of watercourses, and (e) the effectiveness of any works constructed for the purpose of flood risk management. Information from other relevant fields (Probability, Main source, Name) should be repeated here.	flood, using recognised postal address names such as streets, towns, counties. If the flood affects the whole	Mandatory 12 characters: 2 letters, 10 numbers National Grid Reference of the centroid (centre point, falls within polygon) of the flood extent, or of the area affected if there is no extent information. If the flood affects the whole LLFA, then record the centroid of the LLFA.		Optional Max 250 characters  Name of the model or map product or projec which produced the future flood information	Background, or t additional information on the probability of the flood modelled - such as whether	given year - record X	Mandatory Pick from drop-down Pick the source which generates the majority of flooding. Refer to the PFRA guidance fo definitions of sources.	generated by, or interacts with, any or other sources (other than the <u>Main source</u> of flooding), report the	Optional Pick from drop-down  Pick a broad level of confidence in the Main source of flooding from; 'High' (compelling evidence of source - about 80% confident that source is correct), 'Medium' (some evidence of source but not compelling - about 50% confident that source is correct) 'Low' (source assumed - about 20% confident that source is correct) or
		1 • Topography is derived from 64.5% LIDAR (on 0.25m-2m grids; original accuracy ± 0.15m) and 35.5% NEXTMap SAR (on 5m grid; original accuracy ± 1.0m), processed to remove buildings & vegetation, then combined on a 2m grid; buildings added with an arbitrary height of 5m based on OS MasterMap 2009 building footprints, then resampled to a 5m grid DTM. Manual edits applied where flow paths clearly omitted e.g. below bridges.  • Flow routes dictated by topography; a uniform allowance of 12mm/hr has been made for manmade drainage in urban areas. Infiltration allowance reduces runoff to 39% in rural areas and 70% in urban areas.  • Areas that may flood are defined by dynamically routing a 1.1 hour duration storm with 1 in 200 chance of occurring in any year over the DTM using JBA's JFLOW—GPU model.  • Manning's n of 0.1 in rural areas; 0.03 in urban areas, to reflect explicit modelling of buildings in urban areas.  • No allowance made for local variations in drainage, pumping or other works constructed for the purpose of flood risk management.  • The '>0.3m' layer shows where modelled flooding is greater than 0.3m deep.	Dinas Powys			Flood Map for Surface Water (FMfSW) - 1 in 200 deep		20	0 Surface runoff		High
		2 • Topography is derived from 64.5% LIDAR (on 0.25m-2m grids; original accuracy ± 0.15m) and 35.5% NEXTMap SAR (on 5m grid; original accuracy ± 1.0m), processed to remove buildings & vegetation, then combined on a 2m grid; buildings added with an arbitrary height of 5m based on OS MasterMap 2009 building footprints, then resampled to a 5m grid DTM. Manual edits applied where flow paths clearly omitted e.g. below bridges. • Flow routes dictated by topography; a uniform allowance of 12mm/hr has been made for manmade drainage in urban areas. Infiltration allowance reduces runoff to 39% in rural areas and 70% in urban areas. • Areas that may flood are defined by dynamically routing a 1.1 hour duration storm with 1 in 200 chance of occurring in any year over the DTM using JBA's JFLOW–GPU model. • Manning's n of 0.1 in rural areas; 0.03 in urban areas, to reflect explicit modelling of buildings in urban areas. • No allowance made for local variations in drainage, pumping or other works constructed for the purpose of flood risk management. • The '>0.3m' layer shows where modelled flooding is greater than 0.3m deep.				Flood Map for Surface Water (FMfSW) - 1 in 200 deep		20	0 Surface runoff		High
		3 • Topography is derived from 64.5% LIDAR (on 0.25m-2m grids; original accuracy ± 0.15m) and 35.5% NEXTMap SAR (on 5m grid; original accuracy ± 1.0m), processed to remove buildings & vegetation, then combined on a 2m grid; buildings added with an arbitrary height of 5m based on OS MasterMap 2009 building footprints, then resampled to a 5m grid DTM. Manual edits applied where flow paths clearly omitted e.g. below bridges.  • Flow routes dictated by topography; a uniform allowance of 12mm/hr has been made for manmade drainage in urban areas. Infiltration allowance reduces runoff to 39% in rural areas and 70% in urban areas.  • Areas that may flood are defined by dynamically routing a 1.1 hour duration storm with 1 in 200 chance of occurring in any year over the DTM using JBA's JFLOW—GPU model.  • Manning's n of 0.1 in rural areas; 0.03 in urban areas, to reflect explicit modelling of buildings in urban areas.  • No allowance made for local variations in drainage, pumping or other works constructed for the purpose of flood risk management.  • The '>0.3m' layer shows where modelled flooding is greater than 0.3m deep.				Flood Map for Surface Water (FMfSW) - 1 in 200 deep	•	20	0 Surface runoff		High

Main mechanism of looding	Main characteristic of flooding	Adverse consequences to human health	Human health consequences - residential properties	Property count method	Other human health consequences	Adverse economic consequences	Number of non- residential properties flooded	Property count method	d Other economic consequences	Adverse consequences to the environment	Environment consequences	Adverse consequences to cultural heritage	Cultural heritage consequences
•	Mandatory Pick from drop-down	Mandatory Pick from drop-down	Optional Number between 1-	Optional Pick from drop-down	Optional Max 250 characters	Mandatory Pick from drop-down	Optional Number between 1-	Optional Pick from drop-down	Optional Max 250 characters	Mandatory	Optional Max 250 characters	Mandatory Pick from drop-down	Optional Max 250 characters
rom; 'Natural exceedance' (of apacity), 'Defence exceedance' (floodwater exceedance', Failure' (of atural or artificial lefences or artificial lefences or of expension, 'Blockage or restriction' (natural or artificial blockage or estriction of a conveyance channel	slower rate than a flash flood), 'Snow melt flood' (due to rapid snow melt), 'Debris flow'	Would there be any significant consequences to human health if the future flood were to occur?	residential properties where the building structure would be affected either		human health, e describe them	significant economic consequences if the future flood were to occur?	10,000,000 Record the number of non-residential properties where the building structure would be affected either internally or externally if the flood were to occur.	non-residential properties have been counted, it is	If there would be other Significant economic consequences, describe them is including information such as the area of agricultural land flooded, length of roads and rail flooded.	significant consequences to the environment if the		Would there be any significant consequences to cultural heritage if the future flood were to occur?	If there would be Significant consequences to cultural heritage, describe them including information such as the number and type of heritage assets flooded.
Jatural exceedance	Natural flood	Yes	Available from EA			Yes	Available from EA			No		Yes	
latural exceedance	Natural flood	Yes	Available from EA			No	Available from EA			No		Yes	
atural exceedance	Natural flood	Yes	Available from EA			No	Available from EA			No		Yes	

Comments	Data owner	Area flooded	Confidence in	Model date	Model Type	Hydrology Type	Lineage	Sensitive data	Protective marking	European Flood Event Code
	Optional	Optional	modelled outline Optional	Optional	Optional	Optional	Optional	Optional	Optional Optional	Auto-populated
Max 1,000 characters  Any additional comments about the future flood record.	Max 250 characters	Number with two decimal places The total area of the land flooded, in km <sup>2</sup>	Pick from drop-down  Pick a broad level of confidence in the modelled flood outline from; 'High' (good match to past flood extents - about 80% confident that outline is correct), 'Medium' (reasonable match - about 50% confident that outline is correct), 'Low' (poor match, sparse data - about 20% confident that outline is correct) or 'Unknown'.	'yyyy' or 'yyyy-mm' or 'yyyy-mm-dd'	Type of software used	Max 250 characters  Type of hydrology method used to create future flood information.	Max 250 characters  Lineage is how and what the data is made from. Has this data been created by using data owned or derived from data owned by 3rd party (external) organisations? If yes please give details.	the Government's Protective Marking Scheme? Include protective marking time limit where	the Government's Protective Marking Scheme.	Max 42 characters  This field will autopopulate using the LLFA name provided on the "Instructions" tab, and the Flood ID. It is an EU-wide unique identifier and will be used to report the flood information.  Format: UK <ons code=""><p f="" or=""><llfa flood="" id="">. "ONS Code" is a unique reference for each LLFA. "P or F" indicates if the event is past or future. "LLFA Flood ID" is a sequential number beginning with 0001.</llfa></p></ons>
	Environment Agency		Medium-Low	2010-11	JFLOW-GPU	Depth-duration-frequency curves derived from FEH CD-ROM, from centre of each 5km model, with areal reduction factor applied to convert point rainfall estimate to more representative figure. Curve then used to derive 1.1 hr, 1:200 chance rainfall depth; this is converted to hyetograph, using summer rainfall profile. See "Description of assessment method" for allowances for infiltration and drainage.		Unmarked		UKW06000014F0001
	Environment Agency		Medium-Low	2010-11	JFLOW-GPU	Depth-duration-frequency curves derived from FEH CD-ROM, from centre of each 5km model, with areal reduction factor applied to convert point rainfall estimate to more representative figure. Curve then used to derive 1.1 hr, 1:200 chance rainfall depth; this is converted to hyetograph, using summer rainfall profile. See "Description of assessment method" for allowances for infiltration and drainage.		Unmarked		UKW06000014F0002
	Environment Agency		Medium-Low	2010-11	JFLOW-GPU	Depth-duration-frequency curves derived from FEH CD-ROM, from centre of each 5km model, with areal reduction factor applied to convert point rainfall estimate to more representative figure. Curve then used to derive 1.1 hr, 1:200 chance rainfall depth; this is converted to hyetograph, using summer rainfall profile. See "Description of assessment method" for allowances for infiltration and drainage.		Unmarked		UKW06000014F0003