

**Table S1.** Reclassification of land use types used in the historical land use maps of Wales and in the current study. Columns 1 & 2 show the default legends of land use maps as used by Edina Digimap. Column 3 shows the harmonized/revised land use classes used in the presented modelling exercise.

Land use Map 2015	Land use Map 2007	Revised/Harmonized Land use Categories
Broadleaved woodland	Broadleaved, mixed and yew woodland	Broadleaved woodland
Coniferous woodland	Coniferous woodland	Coniferous woodland
Arable and horticulture	Arable and horticulture	Arable and horticulture
Improved grassland	Improved grassland	Improved grassland
Neutral grassland	Rough grassland	Semi-Natural grassland
Calcareous grassland	Neutral grassland	
Acid grassland	Calcareous grassland	
Fen, Marsh and Swamp	Acid grassland	
	Fen, marsh and swamp	
Heather	Heather	Mountain, Heath, Bog
Heather grassland	Heather grassland	
Bog	Bog	
Inland rock	Inland rock	
	Montane habitats	
Saltwater	Saltwater	Water Bodies
Freshwater	Freshwater	
Supra-littoral rock	Supra-littoral rock	
Supra-littoral sediment	Supra-littoral sediment	Coastal
Littoral rock	Littoral rock	
Littoral sediment	Littoral sediment	
Saltmarsh	Saltmarsh	Built Areas
Urban	Urban	
Suburban	Sub-Urban	

**Figure S1.** Gain (green bars) and Loss (purple bars) in area (ha) under different LULC categories in Wales between 2015 and 2030 (5 scenarios).



**Figure S2.** Land cover maps of Wales, a) 2007 and b) 2015.

