Supplementary Table S1

Annex A: GHSL dataset techniacl specifications used in the reviewed papers

Product	Semantic	Product name	Main input data	Years represented	Coverage	Data format	Grid cell size	Projection/coordinate system	Method	OPEN DATA Access information
GHS-BUILT	Built-up area	GHS_BUILT_LDSMT_GLOBE_R2018A	Landsat image collections; GHS-BUILT-S1, GlobeLand30 – training	1975 1990 2000 2014			30 m 250 m 1 km	30m: EPSG:3857 250m and 1km: EPSG:54009	[16]	https://data.jrc.ec.europa.eu/dataset/jrc-ghsl-10007
GHS-POP	Total Population	GHS_POP_MT_GLOBE_R2019A	GHS-BUILT, CIESIN GPW 4.1 (population data)	1975 1990 2000 2015	Global	Raster	250 m 1 km 9 arcsec 30 arcsec	250m and 1km: EPSG:54009; 9 arcsec and 30 arcsec: EPSG:4326	[19]	https://data.jrc.ec.europa.eu/dataset/0c6b9751-a71f-4062-830b-43c9f432370f
GHS-SMOD	Settlement classification	GHS_SMOD_POPMT_GLOBE_R2019A	GHS-BUILT, GHS-POP				1 km	EPSG:54009	[22]	https://data.jrc.ec.europa.eu/dataset/42e8be89-54ff-464e-be7b-bf9e64da5218