

ANNEX 2 Factors table

Name		Code	Data source	U.M.
Topography			Digital Terrain Model (8 m resolution) www.sit.puglia.it	
	Elevation	T_DTM	“	m
	Flow accumulation	T_F_acc	“	-
	Planform curvature	T_Curv_pl	“	1/100 m
	Profile curvature	T_Curv_pr	“	1/100 m
	Standard curvature	T_Curv_st	“	1/100 m
	Slope	T_Slope	“	degree
Aspect	Slope aspect - north	T_N	“	%
	Slope aspect - north east	T_NE	“	%
	Slope aspect – east	T_E	“	%
	Slope aspect - south east	T_SE	“	%
	Slope aspect – south	T_S	“	%
	Slope aspect - south west	T_SW	“	%
	Slope aspect – west	T_W	“	%
	Slope aspect - north west	T_NW	“	%
	Slope aspect – flat	T_FLAT	“	%
Topographic indexes	Slope roughness	T_Slope_r	“	degree
	Terrain roughness	T_DTM_r	“	m
	Topographic wetness index	T_TWI	“	-
	Vector Ruggedness Measure	T_VRM	“	-
	Topographic Position Index	T_TPI	“	-
	Topographic factor	T_Ls	Slope Length and Steepness factor for	-

the EU

(25 m resolution)
esdac.jrc.ec.europa.eu

Seismic Factor

Peak ground acceleration	S_ag	Peak ground acceleration map at 0.02 degrees (1:25000 resolution) www.pcn.minambiente.it	m/s ²
Distance to active fault	S_Fault	Databases of individual seismogenic sources diss.rm.ingv.it	m
Distance to earthquake epicenter	S_Epic	Parametric Catalogue of Italian Earthquakes 2015 emidius.mi.ingv.it/CPTI15-DBMI15/index_en.htm	m

Geolithology

Terrace alluvium (% of cover area)	G_TA	Geolithological map (1:500000 resolution) www.pcn.minambiente.it	%
Sandstones and clays (% of cover area)	G_SSC	“ “	%
Clays and marls (% of cover area)	G_CM	“ “	%
Clays (% of cover area)	G_C	“ “	%
Debris, alluvium and river-lake deposits, beaches (% of cover area)	G_DDB	“ “	%
Lakes and glaciers (% of cover area)	G_LG	“ “	%
Sands and conglomerates (% of cover area)	G_SC	“ “	%
Sandy and sand-marly units (% of cover area)	G_SSM	“ “	%
Clayey and clayey-limestone units (% of cover area)	G_CCL	“ “	%
Marly limestone units (% of cover area)	G_ML	“ “	%

Pedology

Percentage of clay (% of cover area)	P_clay	Topsoil physical properties for Europe	%
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			(500 m resolution) esdac.jrc.ec.europa.eu	
Percentage of sand (% of cover area)	P_sand	“ “		%
Percentage of silt (% of cover area)	P_silt	“ “		%
Land Cover				
			Corine Land Cover 1990 and 2018	
Urban area (% of cover area)	LU_urb	(100 m and 25 m resolution) land.copernicus.eu		%
Agricultural area (% of cover area)	LU_agri	“ “		%
Grassland (% of cover area)	LU_grs	“ “		%
Forest (% of cover area)	LU_for	“ “		%
Natural area (% of cover area)	LU_nat	“ “		%
Rivers and lakes (% of cover area)	LU_wat	“ “		%
Morphology				
			Hydrogeomorphological map	
Distance to rivers	D_riv	(1:25000 resolution) www.sit.puglia.it		m
			Land use map (2011)	
Distance to roads	D_road	(1:5000 resolution) www.sit.puglia.it		m
Climate				
Mean annual maximum rainfall observed in 1 day	C_p_max	National database for processing and disseminating climate data www.scia.isprambiente.it		mm
Mean annual rainfall	C_p_cum	National database for processing and disseminating climate data www.scia.isprambiente.it		mm