Data description for "*input_maize.csv*"

Variable name	Variable type	Abbreviation	Resolution	Unit	Source
Erosion classification	Target variable	Erosion_class	Field parcel	Categorical	Fischer et al. (2018)
Erosion detected (Y/N)	Target variable	Eroding	Field parcel	Categorical	Fischer et al. (2018)
Total precipitation	Covariate	RadolanSum	1 km, daily	mm	RADOLAN[3)]
Normalised Differential Vegetation Index (NDVI)	Covariate	NDVI	30 m, weekly	-	MODIS/Landsat fusion
Maximum precipitation intensity	Covariate	RadolanMax	1 km, daily	mm h^{-1}	RADOLAN
Number of hours with precipitation > 10 mm	Covariate	RadolanGT10mm	1 km, daily	-	RADOLAN
Maize phenological phase	Covariate	Phase	1 km, daily	-	Möller (2021)
Soil erodibility (USLE[1)] K factor)	Covariate	K_factor	5 m	t ha^{-1} h N^{-1}	Fischer et al. (2018)
Slope length (USLE L factor)	Covariate	L_factor	5 m	-	Fischer et al. (2018)
Slope gradient (USLE S factor)	Covariate	S_factor	5 m	-	Fischer et al. (2018)

[1)] Universal Soil Loss Equation (USLE; Wischmeier & Smith (1978))
[2)] Integrated Administration and Control System of the European Union
[3)] Radar precipitation estimates from the German Weather Service (DWD)

References

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