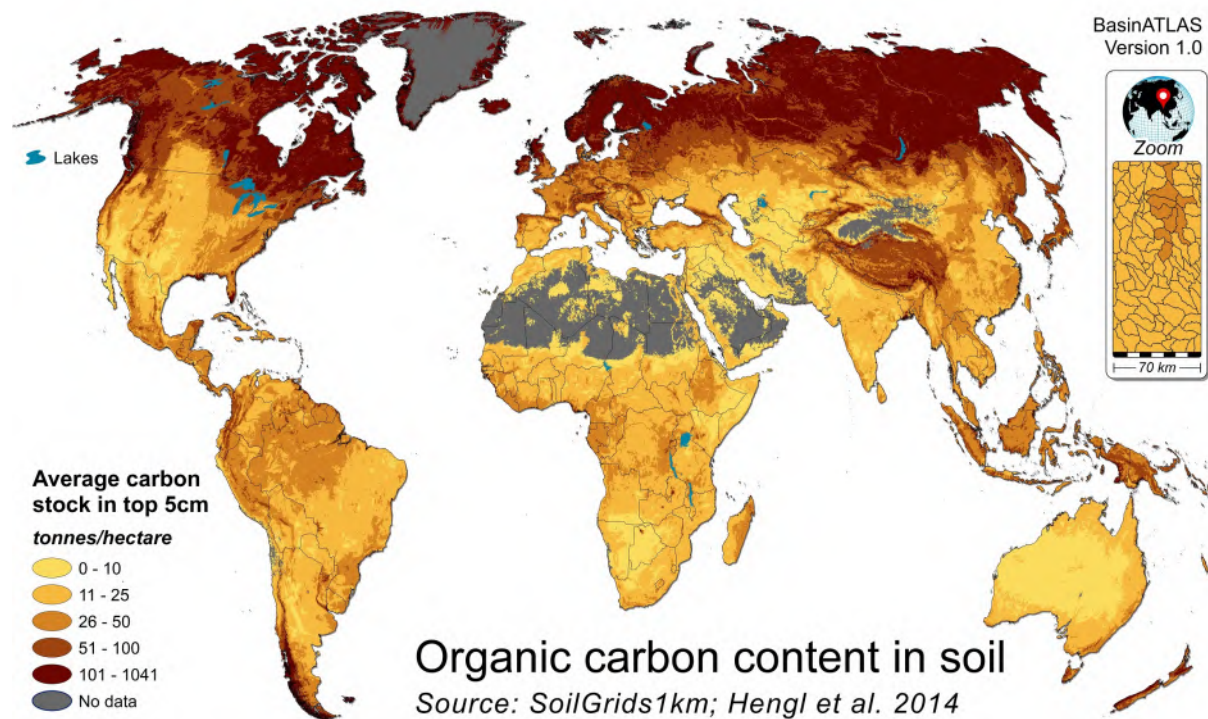


Category	Soils & Geology	ID-S04	>>> Back to Attribute List
Attribute	Organic Carbon Content in Soil		
Source data	SoilGrids1km		
Citation:	Hengl et al. 2014	Native format:	30 arc-second grid
		Units:	tonnes/hectare
Column name	soc_th_{xoo}	(for syntax options of suffix {xoo} see next lines)	
Spatial extent {x}:	{s} in sub-basin {u} in total watershed upstream of sub-basin pour point		
Dimension {oo}:	{av} average		
Existing suffixes {xoo}:	sav uav		



Data description	SoilGrids1km contains spatial predictions for a selection of soil properties (at six standard depths) including sand, silt and clay fractions as well as soil organic carbon stocks. Predictions are based on global spatial prediction models which were fitted, per soil variable, using a compilation of major international soil profile databases (~110,000 soil profiles), and a selection of ~75 global environmental covariates representing soil forming factors. HydroATLAS provides data for the 0-5 cm top soil layer.
Reference	Hengl, T., de Jesus, J.M., MacMillan, R.A., Batjes, N.H., Heuvelink, G.B., Ribeiro, E., Samuel-Rosa, A., Kempen, B., Leenaars, J., Walsh, M., Gonzalez, M.R. (2014). SoilGrids1km—global soil information based on automated mapping. PLoS ONE, 9(8), e105992. doi:10.1371/journal.pone.0105992
Website	http://isric.org/explore/soilgrids
License	Open Data Commons Open Database License (ODbL v1.0)
Additional information	Original grid contains NoData pixels (mostly in deserts and within open water surfaces such as lakes) which were excluded from average calculations. Value -9999 indicates that there is no data for the entire spatial unit.