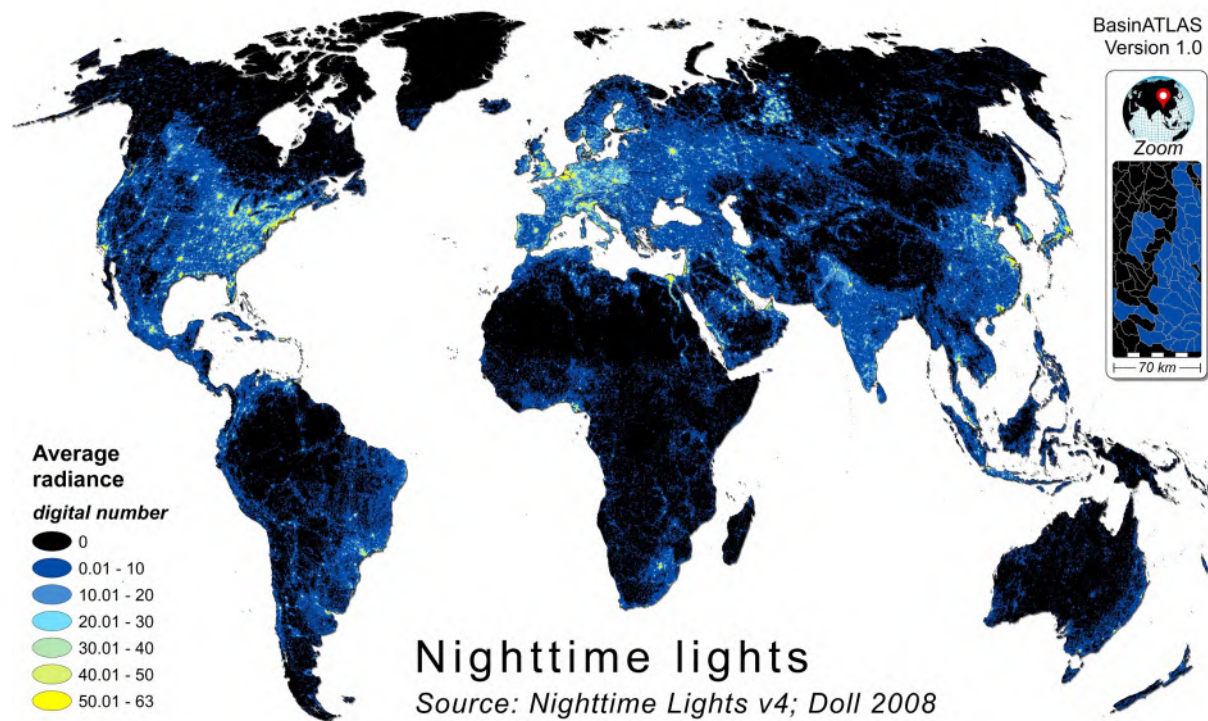


Category	Anthropogenic	ID-A04	>>> Back to Attribute List
Attribute	Nighttime Lights		
Source data	DMSP-OLS Nighttime Lights v4		
Citation:	Doll 2008	Native format:	30 arc-second grid
		Units:	index value (x100)
Column name	nli_ix_{xoo}	(for syntax options of suffix {xoo} see next lines)	
Spatial extent {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	The Nighttime Lights dataset represents light visible at night generated by human activity, including settlements, gas flaring, or agricultural fires. The data was produced using cloud-free composites from archived remote sensing imagery from the Defense Meteorological Satellite Program (DMSP) Operational Linescan System (OLS) at a spatial resolution of 30 arc-seconds. The values represent the product of the average visible band digital number of cloud-free light detections and the percent frequency of light detection. The inclusion of the percent frequency of detection term normalizes the resulting digital values for variations in the persistence of lighting. For instance, the value for a light only detected half the time is discounted by 50%. HydroATLAS provides Nighttime Lights data for 2008.
Reference	Doll, C.N. (2008). CIESIN thematic guide to night-time light remote sensing and its applications. Center for International Earth Science Information Network of Columbia University, Palisades, NY.
Website	http://ngdc.noaa.gov/eog/dmsp/downloadV4composites.html#AXP
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Additional information	In the stored data, index values ('digital numbers' ranging from 0 to 63) were multiplied by 100 (i.e. value 100 means 1).