

LandScan Global Population Database - version 15, Jul. 2014

Using an innovative approach with Geographic Information Systems and Remote Sensing, ORNL's LandScan is the community standard for global population distribution. At 30 arc-second (approximately 1 km) resolution, LandScan is the finest resolution global population distribution data available and represents an "ambient population" (average over 24 hours). The LandScan algorithm, an R&D 100 Award Winner, uses spatial data and imagery analysis technologies and a multi-variable dasymetric modeling approach to disaggregate census counts within an administrative boundary. LandScan population data are spatially explicit - unlike tabular Census data. Since no single population distribution model can account for the differences in spatial data availability, quality, scale, and accuracy as well as the differences in cultural settlement practices, LandScan population distribution models are tailored to match the data conditions and geographical nature of each individual country and region.

Purpose: LandScan Global was developed for the U.S. Department of Defense and is used for rapid consequence and risk assessment as well as emergency planning and management.

Detailed information are to be found in cover_letter_Is13.pdf

Simple

Date (Creation)	2014-07-01
Citation identifier	ornl_g_4326_30_arcsec_landscan_2013_rev15

Point of contact

No information provided.

Maintenance and update frequency	Annually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Population distribution — demography
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> population distribution population density demography
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> World
Theme	<ul style="list-style-type: none"> people Population Population count
Place	<ul style="list-style-type: none"> Global world-wide
Spatial scope	<ul style="list-style-type: none"> Global
Use limitation	License. Terms and conditions of use are available in the file License.pdf
Access constraints	License
Use constraints	License
Spatial representation type	Grid

Distance	1 km
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Society

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Begin date	2013-07-01
End date	2013-07-01
Coordinate reference system identifier	EPSG:4326
Distribution format	<ul style="list-style-type: none"> AIG ()

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

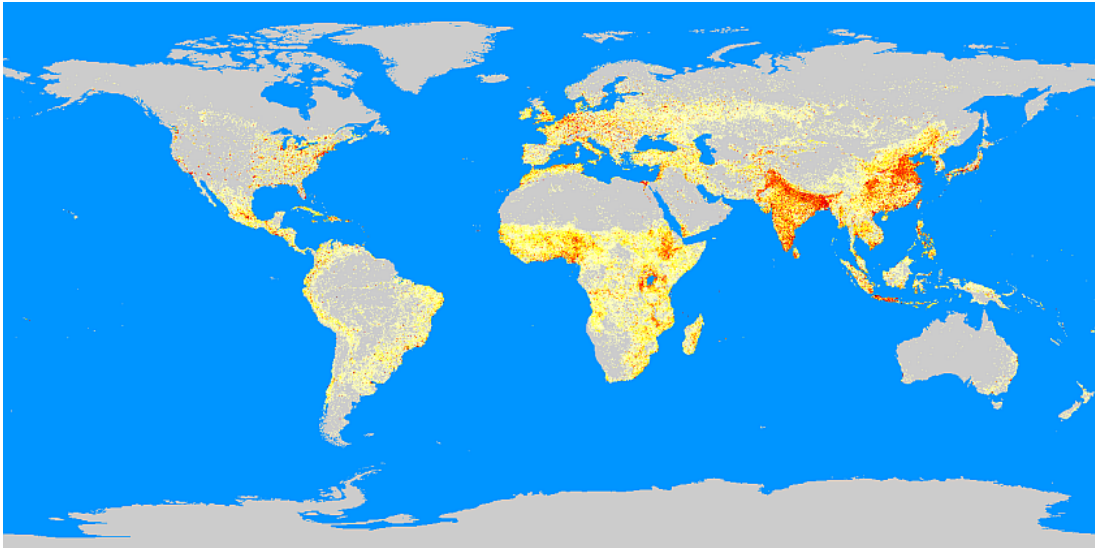
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	Detailed information are to be found in cover_letter_Is13.pdf, IMPORTANT.pdf and in LSpopMetadata/lspop2013.htm.
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Metadata

File identifier	39e6a1fb-5217-4e22-ab2e-68d50d11faeb XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-02-15T16:09:47.845Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	<div> <div>Organisation name</div> <div>Individual name</div> <div>European Environment Agency</div> </div>	<div>Electronic mail address</div> <div>sdi@eea.europa.eu</div>	<div>Website Role</div> <div>Point of contact</div>

Overviews



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