LANDSCAN™ GLOBAL POPULATION DATABASE

HIGH-RESOLUTION POPULATION DISTRIBUTION DATA

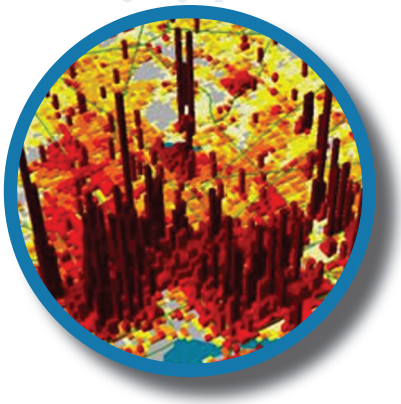
east view GEOSPATIAL

EAST VIEW GEOSPATIAL

SOURCE | PRODUCTION | ANALYSIS

LANDSCAN™ GLOBAL POPULATION DATABASE

East View offers the latest edition of the LandScan™ Global Population Database developed by the Department of Energy's Oak Ridge National Laboratory (ORNL). LandScan is the industry standard for global population distribution – with data available as far back as 2000.

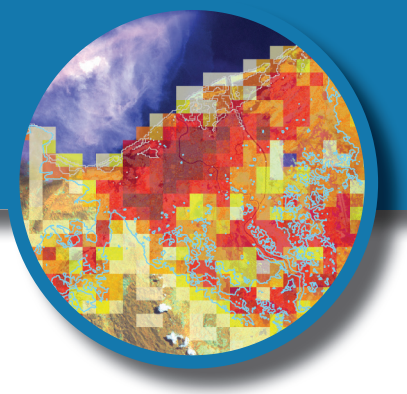


Features & Benefits

- High-resolution population distribution data (30 arc seconds or ~1km at equator) in a GIS raster (ESRI Grid) format
- Distribution depicts ambient (24 hr. average) population distribution
- Sub-national census counts provided by the International Program Center, Bureau of Census
- Upgraded and updated annually to reflect changes in global political boundaries
- Enables quick and simple assessment, estimation, and visualization of population at risk
- Valuable resource for Sustainable Development, Risk Assessment, Strategic Planning, Humanitarian Aid, Disaster Response and Disease Modeling
- Analysis tool for insurance, telecommunications and other business applications

LANDSCAN GLOBAL ARCHIVE

- **Compilation of all historical LandScan Global population datasets dating back to the year 2000**
- **Access all LandScan Global databases from the same web portal**
- **Analyze population trends and demographic changes**
- **Available as a complete set or single years**
- **The LandScan Global Archive is sold separately from the current edition**



NEW AND IMPROVED ACCESS TO LANDSCAN!

LandScan is available in three convenient access methods offering 24/7 access and unlimited simultaneous users!

FTP/DVD

An archival copy of the data delivered electronically via FTP or mailed on a DVD.

WMS/WCS

Easy access for GIS users to connect to the data hosted via a Web Mapping Service and Web Coverage Service with any GIS software.

WebApp

Easy access for non-GIS users to view, analyze and extract data via an easy to use Web Application accessible by anyone with a web browser.

POPULATION DATA FOR ANY APPLICATION

Insurance Applications

- Risk analysis
- Life insurance forecasting
- Data warehousing
- Market predictions

Telecommunications Network Planning

- Population count assessment
- Communication placement
- Urban land use clutter data enhancement
- Infrastructure improvements

Market Growth

- Retail expansion
- Population trends
- Market research
- Global comparative analysis
- Business development

Spatial Data Analysis

- Raster (land cover, elevation, slope)
- Lines and Polylines (roads, rails, waterways, urban areas)
- Polygons (urban/rural areas, administrative boundaries)
- Points (small towns and villages, building data)

Disease Modeling

- Geocoding and spatial modeling of epidemics
- Infectious disease dynamics
- Public health policies
- Disease control programs

Humanitarian Aid & Relief Support

- Expedite assistance to catastrophic areas
- Monitor vulnerable populations in areas of conflict
- Rapid location of victims
- Plan and aid recovery efforts before natural and human disasters

Sustainable Development & Environmental Protection

- Assess human impact on the environment
- Locate per capita consumption hot-spots
- Habitat loss mitigation
- Critical infrastructure analysis

CURRENT USERS OF LANDSCAN

- **National Departments and Ministries of Defense use LandScan for geospatial intelligence and logistics**
- **Agencies of the United Nations and European Commission utilize LandScan data in their environmental and humanitarian programs**
- **Insurance and Reinsurance Companies rely upon LandScan for their risk analysis models**
- **International organizations including the Red Cross, World Food Programme, and World Health Organization utilize LandScan for relief missions and planning**
- **Academic institutions use LandScan for research purposes**

COMPLETE OR CUSTOM DATASETS

The LandScan dataset is available for purchase by country, region or globally.

Also included are a robust set of metadata, documentation, and user guides to enable you to get the most information possible out of this data.

ANNUAL IMPROVEMENTS

- Higher resolution input data
- Census and political boundary updates
- High-resolution imagery
- Processing techniques
- Algorithm refinements