

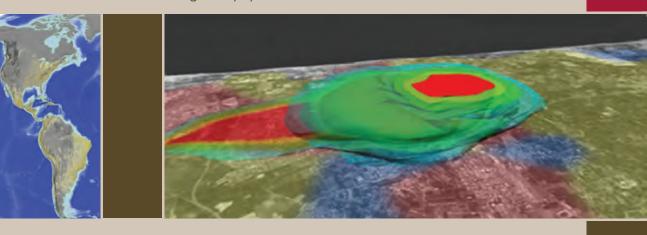
# LandScan<sup>™</sup> Global Population Database

The World's Finest Population Distribution Data

Uncommon information. Extraordinary places.

## LandScan<sup>™</sup> Global Population Database

East View Cartographic is now offering the LandScan<sup>™</sup> Global Population Database developed by the Department of Energy's Oak Ridge National Laboratory (ORNL). Using an innovative approach with GIS and Remote Sensing, LandScan is the community standard for global population distribution.



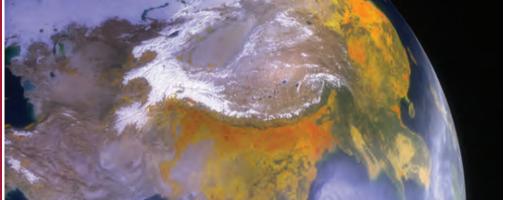
## **CRITICAL FEATURES**

LandScan is the world's most accurate and reliable, geographically based, distribution model and finest resolution global population database.

- 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.
- Integrated with Transportation Routing (such as TRAGIS) for route-specific small area population impact analysis and atmospheric dispersion models (such as HPAC).
- Upgraded annually

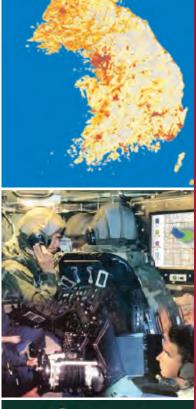
## UTILITY OF LANDSCAN

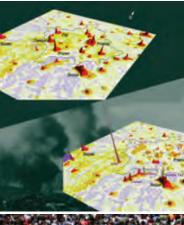
- Allows quick and simple assessment, estimation, and visualization of population at risk.
- Demographic (age, gender) and socioeconomic characteristics are integrated with population data to allow easy integration with risk and impact assessment models.
- Critical component of Emergency planning and management, Rapid risk assessment, Evacuation planning, Consequence assessment, Mitigation Planning.
- ► Retail and other business-related expansion.



## COMPLETE OR CUSTOM DATASETS

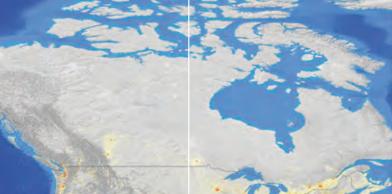
The LandScan<sup>™</sup> dataset is available for purchase by country, region or globally. Also included are a robust set of metadata, documentation, and user's guides to enable you to get the most information possible out of this data.













## **Cultural Data Studies**

- Urban density
- Urban "Z" dimension
- Rural densities and settlement type: nuclear, linear, dispersed
- Economic zones
- Agricultural Intensity

## **Insurance** Applications

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

## 0P2010 | CTRYNUM | LIIK | PTOT\_0\_4 |

140316	147	3925	0.07126058
108496	147	3926	0.07124687
39264	147	3927	0.07126121
72827	147	3928	0.07125105
231139	148	3929	0.17233353
1089443	149	3037	0.09502287
2869736	149	3038	0.09502372
489223	149	3036	0.09502343
796865	149	3040	0.09502362



## Telecommunications Network Planning

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



## **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)



## New and Improved access to LandScan!

## LandScan is now available in three



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



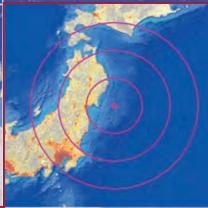




#### Sustainable Development & Environmental Protection

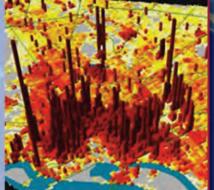
- Assess human impact on the environment
- Locate per capita consumption hot-spots
- Habitat loss mitigation
- Critical infrastructure analysis

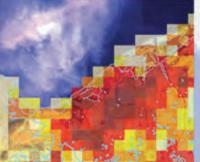




## Market Growth

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





## 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

convenient access methods offering 24/7 access and unlimited simultaneous users!

**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 and analyze the data via an easy to use Web Application accessible by anyone with a web browser.

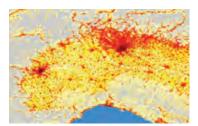


## **ANNUAL IMPROVEMENTS**

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



Previous edition



Recent edition

## **CURRENT USERS OF LANDSCAN**

- LandScan population data is the accepted standard for estimating population at risk by the DoD and DoS.
- LandScan is being used at the Health and Human Services Command and Control Center.
- ▶ Other agencies including DOE, USGS, NASA, EPA, CDC, and NIH are current users of the data for their research and development and routine exercises.
- International NGOs including the UN and WHO use LandScan data for relief missions and planning.
- > Hundreds of academic institutions around the world.
- Multinational corporations eyeing expansion and other infrastructure investments.



www.eastview.com

#### East View

10601 Wayzata Boulevard Minneapolis, MN 55305-1526 USA Telephone: 1.952.252.1201 US Toll-free: 1.800.477.1005 Fax: 1.952.252.1202

### landscan@eastview.com

Worldwide	Offices and Partners
Europe:	europe@eastview.com
Russia/FSU:	sales@ivis.ru
China:	info@cinfo.net.cn
Japan:	info@Bunsei.co.jp
Africa:	africa@eastview.com