

Geo-marketing for Product Sales and Customer Services

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Presentation Outline

- About Excel Geomatics
- About Geo-marketing
- Digital Maps for Geo-marketing
- Population Distribution Model

About Our Company

- ✓ Excel Geomatics is a Consultancy and Value Added Services Company
- Experienced and motivated group of professionals with strong & diverse educational background like Geology, Geography, Environment, Life Sciences and Forestry, etc.
- ✓ Our resources are cross-trained on various technologies such as
 - o Remote Sensing
 - Photogrammetry
 - o LiDAR
- ✓ In a short span of time, Excel Geomatics has been able to win multiple International and National projects in following countries
 - o Cameroon
 - o Republic of Congo
 - o Bangladesh
 - o Sudan
 - o India
 - o Tanzania
 - o The USA
 - o Canada
 - o The UK
 - Lebanon
 - Afghanistan
 - o Saudi Arabia







About our Company

✓ In the last less than 4 years we have been able to win approximately 50 projects in the following domains

- Agriculture
- o Telecom
- Forestry
- Power Sector
- National Mapping Updates
- o Infrastructure Planning
- Mineral Exploration & Mining
- o Insurance
- Environment
- o Flood Hazard Zonation & Vulnerability Assessment
- Defence
- o Geo-marketing
- ✓ More than 80% of our business is repeat business
- Excel Geomatics has recently entered into the GIS education segment with the opening of 'School of Excellence in Geomatics' in the city of Dakar, Senegal through its subsidiary 'Indian-Made in Africa'



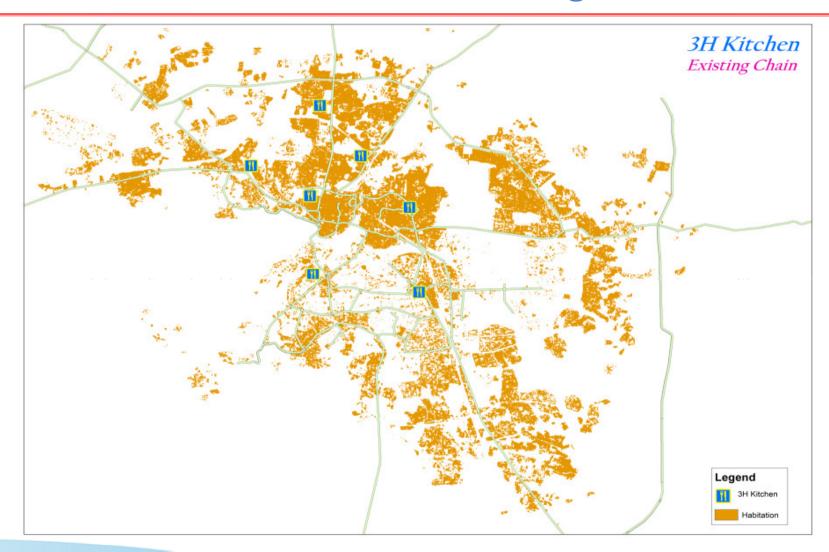


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About Geo-marketing

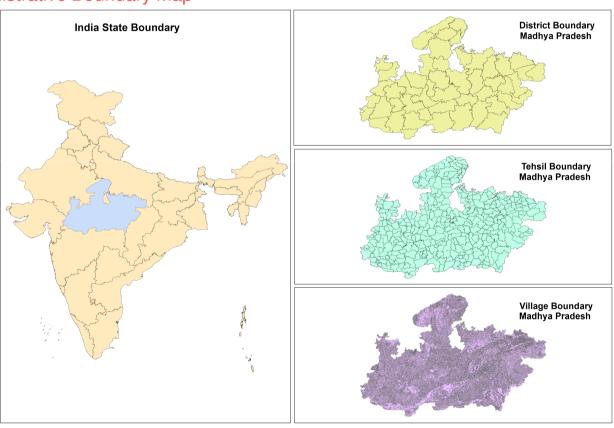


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Digital Maps & Data for Geo-Marketing

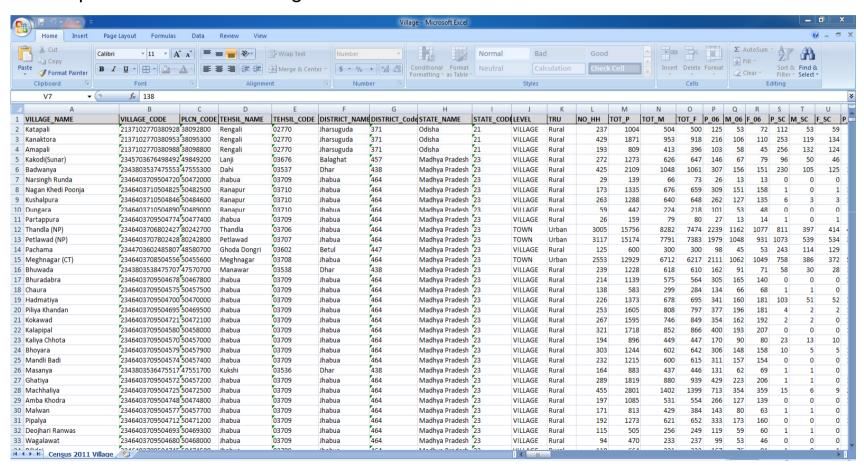
- ✓ Administrative Maps of India for Geo-marketing
 - Village and Town Point Data
 - Village and Town Administrative Boundary Map
 - Tehsil Boundary Map
 - District Boundary Map
 - Major Road Network





Digital Maps & Data for Geo-Marketing

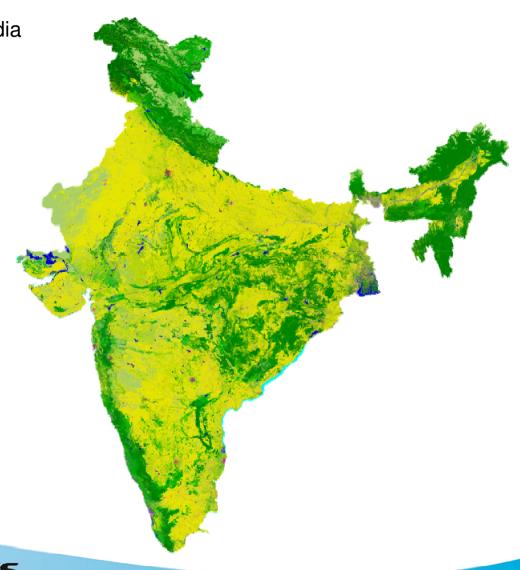
✓ Population Data according to Census 2011





Digital Maps for Geo-Marketing

- ✓ Landuse\Landcover Map of India
 - Residential Areas
 - Commercial Areas
 - Industrial Areas
 - Other areas



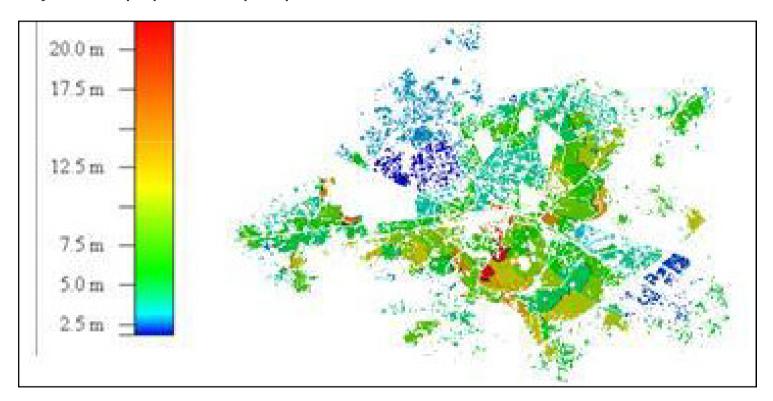


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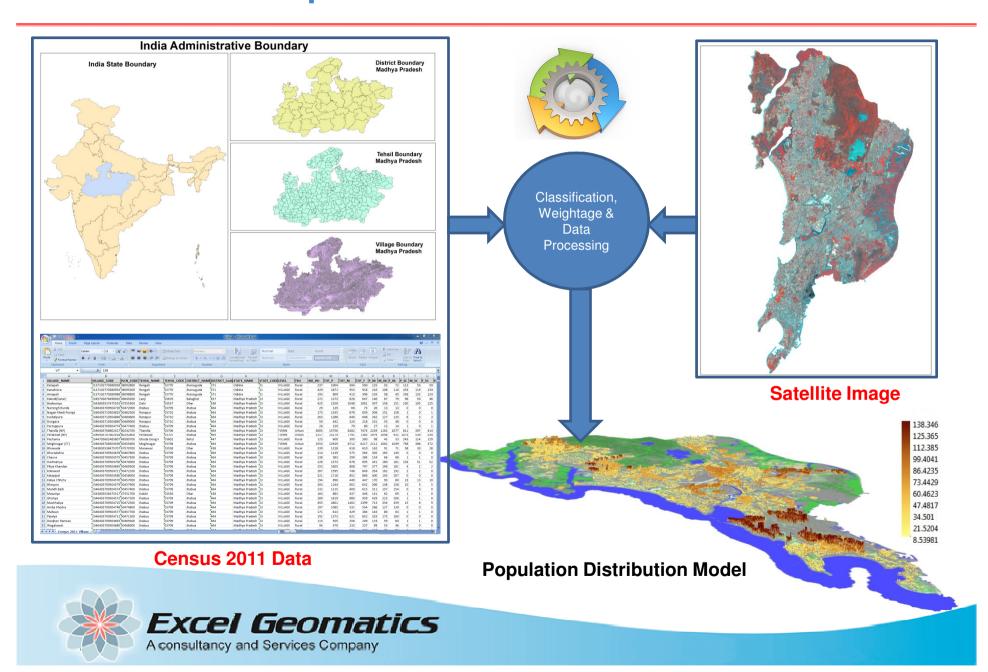
Population Distribution Model

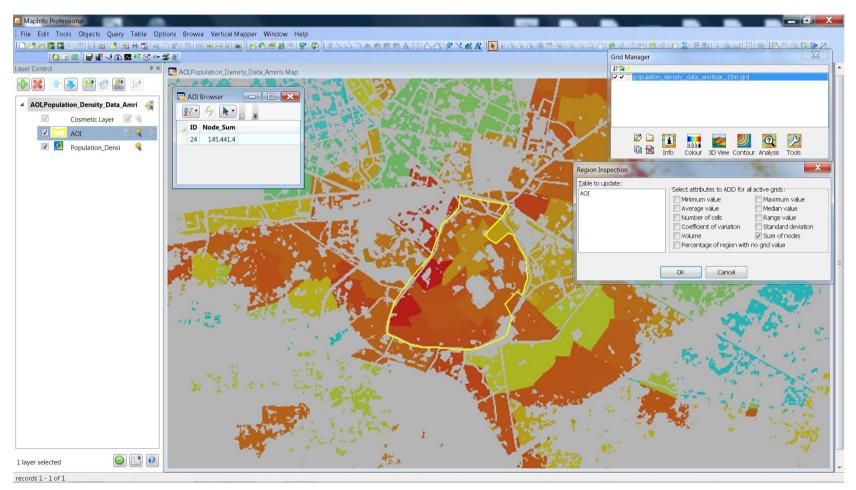
- Raster grid based map showing the distribution of population
- Density of the population per pixel



Population Distribution Model of Amritsar

Population Distribution Model





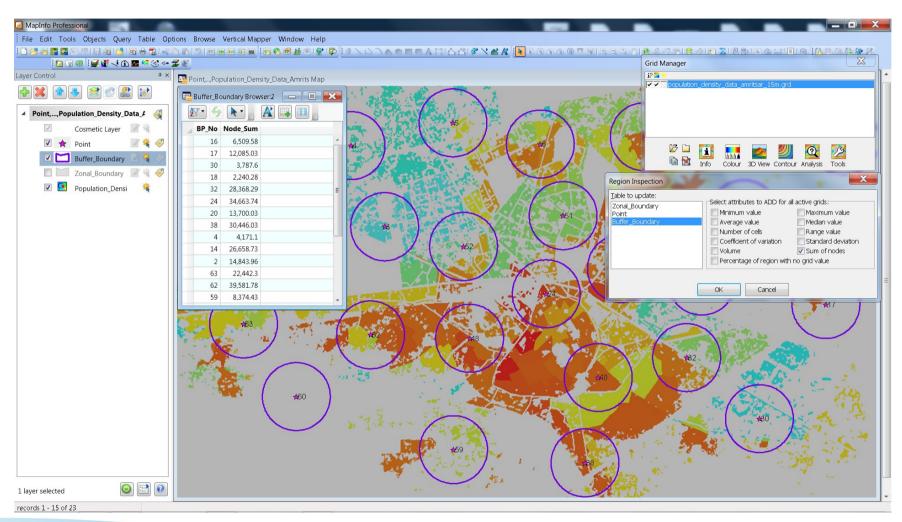
AOI Based Analysis



Why Population Distribution Model?

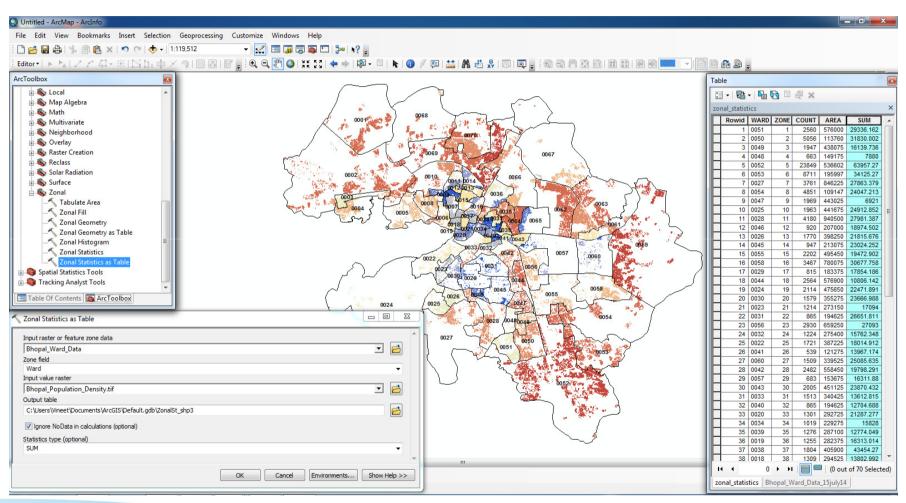
- The population density of an area can be one of the most important determining factors for planning of business and marketing campaign.
- It's not enough only to know how many consumers live in a specific state or a city but
 it is also important to know how the distribution of population within a city, ward or
 even within a village is.
- 'Population Distribution Map' will allow planners to choose a location for a business that is accessible to the largest number of people.
- Using 'Population Distribution Model' it is possible to know the population within any buffer, boundary, or AOI





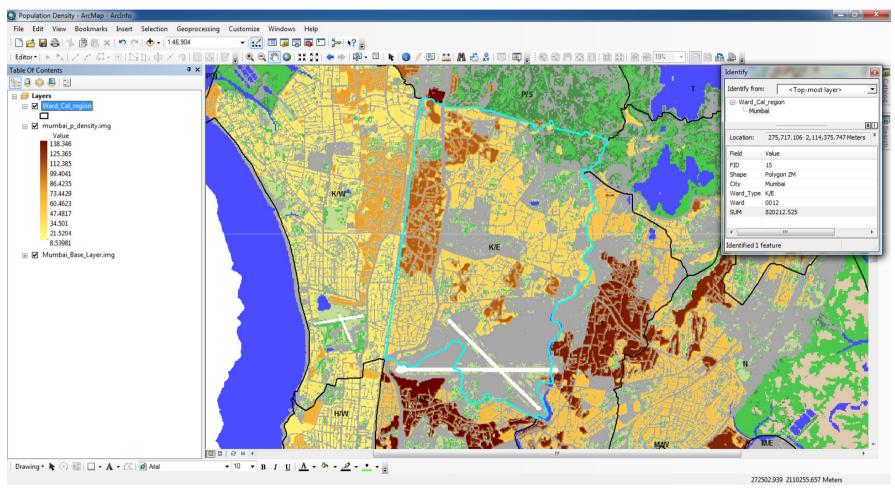


Buffer Analysis



Zonal Analysis





Ward-wise Analysis

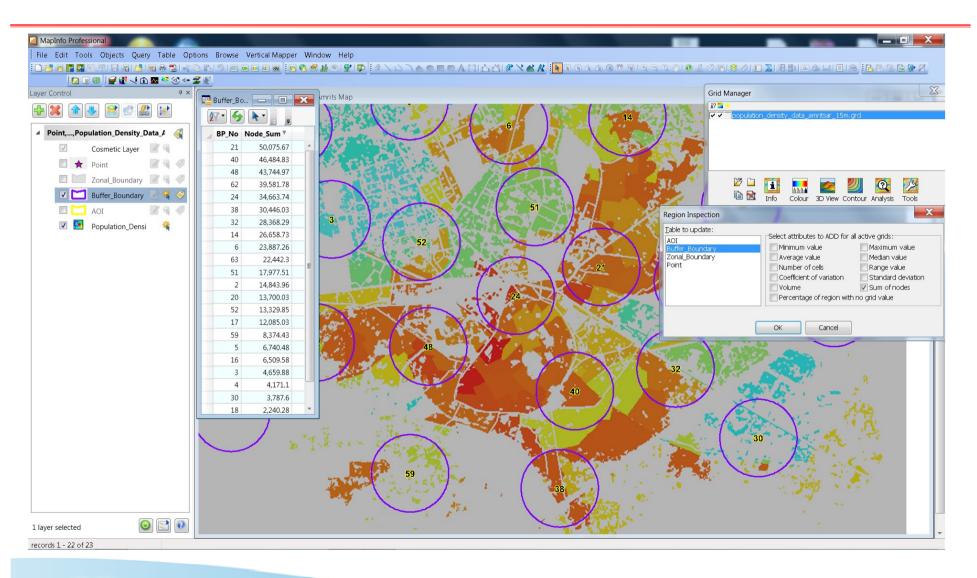


Geo-marketing Applications of Population Distribution Model

- This map has found its usefulness in the business application areas such as
 - Selection of ATM location based on the population that could be covered within a buffer zone
 - Allotment of franchises or opening of a retail outlet based on population covered and not by the distance between them
 - To know the approximate population covered by signals from each Telecom Tower, etc.



Case Study 1: Buffer Analysis for Proposed ATM Sites



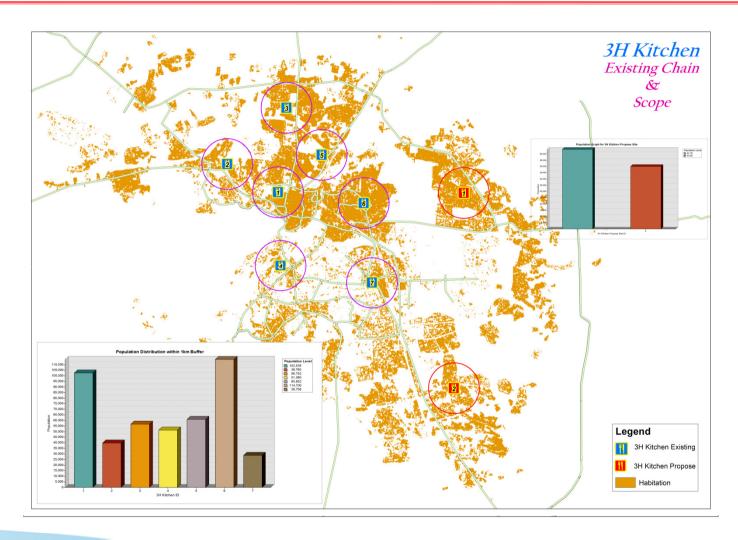


Case Study 2: Population in Telecom Cell Service Area

OBJE	CTID	Float_	Site_Name	Cell_ID	Longitude	Latitude	Cell_Name	Site_1st_N	Population	Area_Sqkm
	1	0.00000000000	PUNKAP0013	PUNKAP0013C	075°23'49.66"E	31°23'18.77"N	KAP0013C	Ajit Nagar, Kapurthala	5,843	1.94
	2	0.00000000000	PUNKAP3048	PUNKAP3048C	075°22'41.70"E	31°23'17.38"N	KAP3048C	Kthala Laxmi Nagar	3,413	2.29
	3	0.00000000000	PUNKAP3048	PUNKAP3048A	075°22'41.70"E	31°23'17.38"N	KAP3048A	Kthala Laxmi Nagar	709	0.16
	4	0.00000000000	PUNKAP0001	PUNKAP0001A	075°22'41.77"E	31°22'59.70"N	KAP0001A	Kapurthala-4	2,279	0.65
	5	0.00000000000	PUNKAP0007	PUNKAP0007A	075°23'0.49"E	31°22'59.70"N	KAP0007A	Bhagat Singh Avenue	7,733	1.16
	6	0.00000000000	PUNKAP3048	PUNKAP3048B	075°22'41.70"E	31°23'17.38"N	KAP3048B	Kthala Laxmi Nagar	1,926	0.27
	7	0.00000000000	PUNKAP0007	PUNKAP0007C	075°23'0.49"E	31°22'59.70"N	KAP0007C	Bhagat Singh Avenue	2,250	0.10
	8	0.00000000000	PUNKAP0001	PUNKAP0001B	075°22'41.77"E	31°22'59.70"N	KAP0001B	Kapurthala-4	4,370	0.12
	9	0.00000000000	PUNKAP0007	PUNKAP0007B	075°23'0.49"E	31°22'59.70"N	KAP0007B	Bhagat Singh Avenue	3,474	0.53
	10	0.00000000000	PUNKAP0013	PUNKAP0013A	075°23'49.66"E	31°23'18.77"N	KAP0013A	Ajit Nagar, Kapurthala	3,240	1.42
	11	0.00000000000	PUNKAP0013	PUNKAP0013B	075°23'49.66"E	31°23'18.77"N	KAP0013B	Ajit Nagar, Kapurthala	3,427	0.60
	12	0.00000000000	PUNKAP0011	PUNKAP0011A	075°22'29.10"E	31°22'41.77"N	KAP0011A	Kottu Chowk,Kapurthala	2,156	0.12
	13	0.00000000000	PUNKAP0012	PUNKAP0012A	075°22'59.80"E	31°22'40.11"N	KAP0012A	Archies Gallary	2,005	0.21
	14	0.00000000000	PUNKAP0001	PUNKAP0001C	075°22'41.77"E	31°22'59.70"N	KAP0001C	Kapurthala-4	6,628	1.03
	15	0.00000000000	PUNKAP0012	PUNKAP0012C	075°22'59.80"E	31°22'40.11"N	KAP0012C	Archies Gallary	4,932	0.32
	16	0.00000000000	PUNKAP0011	PUNKAP0011B	075°22'29.10"E	31°22'41.77"N	KAP0011B	Kottu Chowk,Kapurthala	1,026	0.13
	17	0.00000000000	PUNKAP0004	PUNKAP0004A	075°24'12.06"E	31°22'22.36"N	KAP0004A	Sanik School Kapurthala	2,891	1.44
	18	0.00000000000	PUNKAP0011	PUNKAP0011C	075°22'29.10"E	31°22'41.77"N	KAP0011C	Kottu Chowk, Kapurthala	3,845	0.92



Case Study 3: Use of Population Distribution Model in Expansion of Restaurant Business



Thank You!

www.excelgeomatics.com

