2011

3 cities with a population > 10 m and 53 with > 1 m

833 m live in 0.64 m villages
377 m live in ~ 8,000 urban centres

Population Size (millions)
- < 0.1
- 0.1 - 0.5
- 0.5 - 1
- 1 - 5
- > 5

Source: Census of India, 1971-2001
UN, 2007
IIHS analysis, 2009-10

Some alarming facts about our mobility ......
ISSUES: ROAD SAFETY

140,000 deaths/year in India due to road traffic crashes
ISSUES: AIR POLLUTION

627,426 premature deaths/year in India due to air pollution
ISSUES: PHYSICAL INACTIVITY

436,122 premature deaths/year in India

Source: http://www5.imperial.ac.uk/medicine/metabolic_risks/bmi/
CLIMATE CHANGE
Smart Cities??
THE “AVOID-SHIFT-IMPROVE” STRATEGY

AVOID
the distance or number of trips

SHIFT
towards lower emitting modes of transport

IMPROVE
technological and operational efficiency of vehicles

BENEFITS
Air quality, health, safety, climate, economy, development, etc.
## Opportunity is Biggest – Right Now

Ahmedabad

<table>
<thead>
<tr>
<th></th>
<th>Today</th>
<th>Automobility</th>
<th>2041</th>
<th>Sustainable Transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population (millions)</td>
<td>5.4</td>
<td>13.2</td>
<td>13.2</td>
<td></td>
</tr>
<tr>
<td>Trips (millions/yr)</td>
<td>5.6</td>
<td>39.75</td>
<td>39.75</td>
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<tr>
<td>Area (Sq. Km.)</td>
<td>1330</td>
<td>6484</td>
<td>3242</td>
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<tr>
<td>Emissions (million Tons CO2/yr)</td>
<td>0.33</td>
<td>12.32</td>
<td>1.97</td>
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</tr>
<tr>
<td>Traffic Fatalities (per yr)</td>
<td>175</td>
<td>5,232</td>
<td>1,225</td>
<td></td>
</tr>
</tbody>
</table>
URBANIZATION ‘S’ CURVE

Urbanization situation in World Geographies between 2010 - 2030
Thank You

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