Panel Session 1 – Smart City & Digital Transition

Thematic Introduction by P. Karamanos, Team Leader IUC India

October 13th, 2020
Smart City

“Place where traditional networks and services are made more efficient with the use of digital and telecommunication technologies for the benefit of its inhabitants and business.*

* European Commission
### Biggest Challenge that can lead to citizens to leaving a city - by city

<table>
<thead>
<tr>
<th>Country</th>
<th>Cities</th>
<th>Major reasons for citizens leaving city</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>Paris</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Toulouse</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Marseille</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Lille</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Lyon</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport and mobility issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public security issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Financial issues</td>
</tr>
<tr>
<td>UK</td>
<td>London</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Manchester</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Bristol</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Birmingham</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Leeds</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport and mobility issues</td>
</tr>
<tr>
<td>Germany</td>
<td>Berlin</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Munich</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Dusseldorf</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Frankfurt</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Hamburg</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Cologne</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Darmstadt</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td>Netherlands</td>
<td>Amsterdam</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Rotterdam</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>The Hague</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Utrecht</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Eindhoven</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td>Italy</td>
<td>Rome</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Milan</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Florence</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Turin</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Naples</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td>Spain</td>
<td>Madrid</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Barcelona</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Valencia</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Malaga</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Seville</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport and mobility issues</td>
</tr>
<tr>
<td>Sweden</td>
<td>Stockholm</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Gothenburg</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Malmo</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Linkoping</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Helsingborg</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td>USA</td>
<td>Washington, DC</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>New York</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Los Angeles</td>
<td>Sustainability issues, Cultural and personal issues</td>
</tr>
<tr>
<td></td>
<td>Boston</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>San Francisco</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport and mobility issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public security issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Financial issues</td>
</tr>
<tr>
<td>India</td>
<td>New Delhi</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Mumbai</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Chennai</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Bengaluru</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Hyderabad</td>
<td>Sustainability issues</td>
</tr>
<tr>
<td></td>
<td>Pune</td>
<td>Sustainability issues</td>
</tr>
</tbody>
</table>

**Source:** Capgemini Research Institute, Smart Cities Survey, April 2020 (n=10,000 citizens)
Key Finding

40% of city dwellers surveyed worldwide cite a variety of reasons why they might decide to leave their city in the near future, including “digital frustration”*. 

* Capgemini Research Institute
3 Cases

1. Guangzhou - China
   Guangzhou Development District

2. Panaji - India
   Smart Parking Pilot

3. Barcelona - Spain
   Urban Planning Pilot