

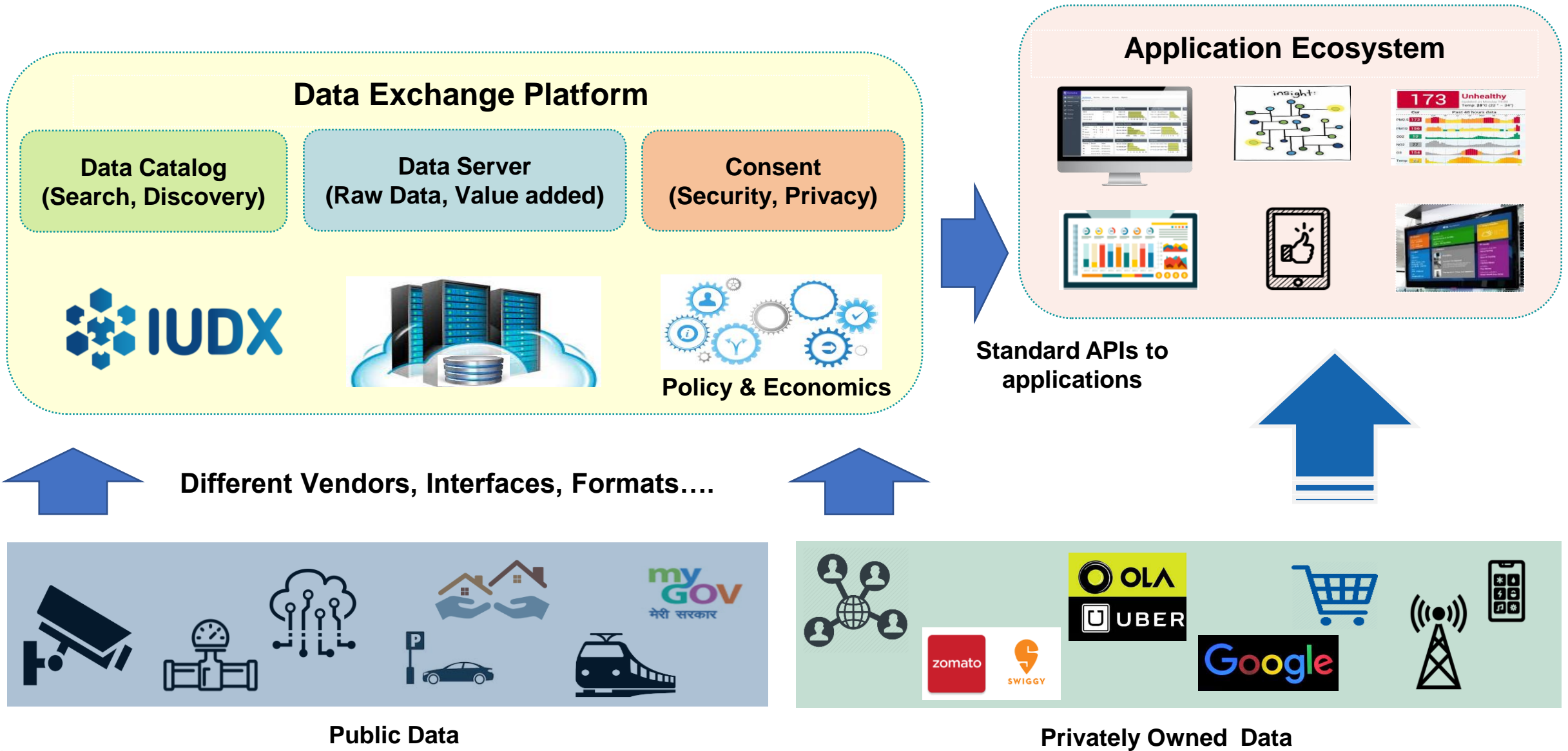
India Urban Data Exchange(IUDX)

MoHUA, Smart City Mission & Indian Institute of Science

Technical Steering Committee(TSC) meeting – 29 April 2021



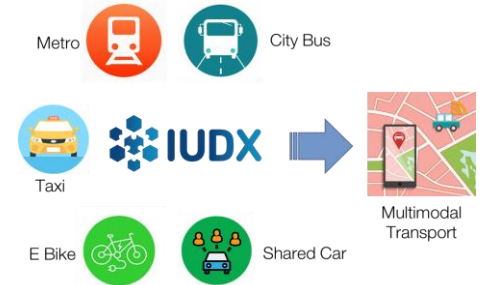
IUDX & Data, Application Ecosystem



IUDX, Datasets, Use cases – The Process

1. Datasets and Use cases identification:

- City to prioritize the use cases and datasets which are important for the city administration, citizens and the ecosystem
- IUDX and City jointly evaluate the use cases and datasets and decide on the datasets to be onboarded on to IUDX



2. Onboard the datasets onto IUDX :

- City to coordinate with the MSI and Solution partners and provide the technical details and APIs for the targeted datasets
- IUDX to develop the city data specific ingestion modules and deploy IUDX city instance with the targeted datasets

3. Use case implementation :

- City to identify the ecosystem partners for the use case development and share the required datasets to them
- The use case partner to develop, deploy and maintain the use case as agreed with the city administration



10 Cities – 2020-21

1. Pune
2. Surat
3. Varanasi
4. Vadodara
5. Bhopal
6. Bhubaneswar
7. Agartala
8. Chennai
9. Bengaluru
10. Faridabad

15 new cities for 2021-22.

MoHUA is in the process of finalizing them!

Datasets – Across Cities

Typical :

1. Air Quality Monitoring
2. Solid waste management
3. Citizen grievances
4. Traffic violations
5. WiFi, PA, VMS Locations
6. Street lights
7. Adaptive traffic
8. Public transport, Automatic fare collection (AFC)
9. E bikes (Chartered. YULU. YAANA)
10. Safety index of places (Safetipin)
11. Fire/Ambulance vehicle location
12. Traffic violation, Surveillance/ Flood camera feeds

Not very common :

1. Vehicle registration/Revenue
2. E-Governance, Service quality
3. Property tax, professional tax
4. Metro Rail
5. Flood sensors
6. Rain data from IMD
7. Dam waster release
8. Health Management System Data
9. Water distribution
10. Smart Parking

Use cases – Across Cities

1. Bus occupancy with ETA : **Surat (NEC)**, Bhopal (Chalo)
2. Multimodal transport app : **Surat(Citility)**, Bhubaneswar(Pharos SoftTech), Bengaluru (TBD)
3. Safe route travel : **Pune(Safetipin)**
4. Solid waste optimizations - Varanasi (Hitachi)
5. Flood prediction and warning : Pune(Brigosha Tech), Agartala(Vehant Tech), Chennai (TBD)
6. Green corridor for emergency vehicles : Vadodhara(Arya Omni Talk and CMS)
7. Re-use existing infrastructure and make conventional traffic lights to Adaptive traffic lights :
Agartala(Vehant Tech and Onyx)
8. Health Management and Information System : Vadodara (Manorama), Pune(Oasis)



Accelerators and Challenges

1. Cities have lot of data and keen to monetize it.
2. Cities are looking for use cases to drive service efficiency and citizen convenience.
3. Private players are keen to get the datasets, build the solutions once and commercially deploy them across cities.
4. MoHUA and MeitY are driving the project with involvement, support and funding.
5. IUDX platform is built, deployed and tested in the field.

Challenges :

1. Some of the Smart City solutions are not working well in cities and data is not very accurate.
2. The bandwidth availability of city officials to support IUDX deployment and use cases.
3. RFP process, innovative business/revenue models for the commercial deployment of use cases.

धन्यवाद



Thank You