



Data Spaces and IUDX

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Cities

Surat
 Pune
 Varanasi
 Agartala
 Vadodara
 Bhubaneswar
 Bhopal
 Bengaluru
 Chennai
 Faridabad
 ELCITA, Bengaluru
 Kohima
 Jaipur
 Raipur
 Kanpur
 Kannur
 Shimla
 Dharamshala
 Coimbatore
 Srinagar
 Thoothukudi
 Ahmedabad
 Bareilly
 Tumakuru
 Nagpur
 Dahod
 Gandhinagar
 Belagavi
 Pimpri Chinchwad
 Rajkot
 Kalyan Dombivli
 Lucknow
 Prayagraj

IUDX Deployment: 42 cities and counting !!



Datasets

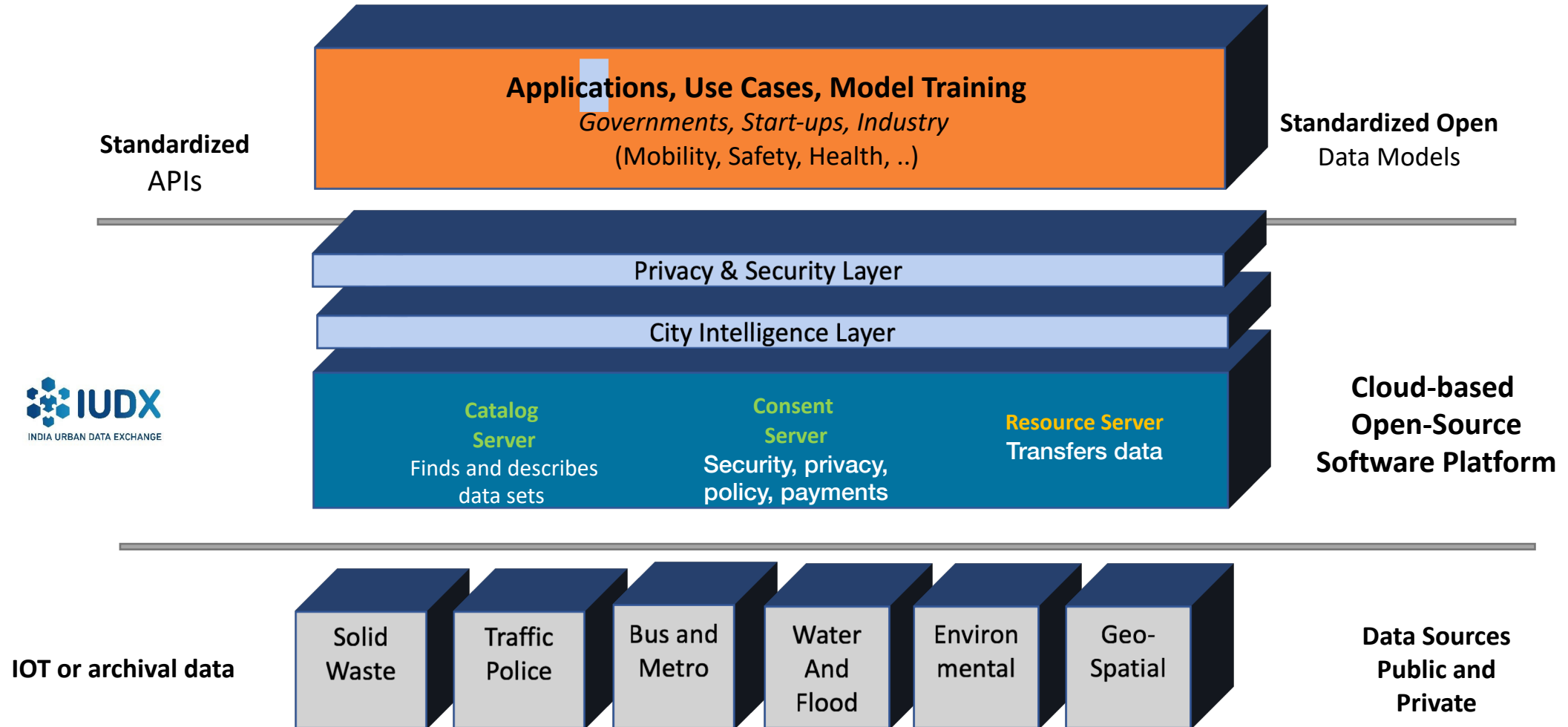
Environmental information	Air Quality, Rainfall, Weather Forecast, Water Level Monitoring
Bus Transit	Routes, Trips, Stops, Bus location, ETA, Occupancy, Fare collection
Solid Waste Management	Pick up locations, Vehicle location, Weight of waste, Employee attendance
Adaptive Traffic	Traffic junctions, Corridors
Streetlights	Locations, Energy consumption
Fire and Ambulance	Live location, on call status
Miscellaneous	Smart Sensor Locations, Road Information, E Bike sharing, Water distribution, Smart Parking, Safety index, Revenue

Use Cases

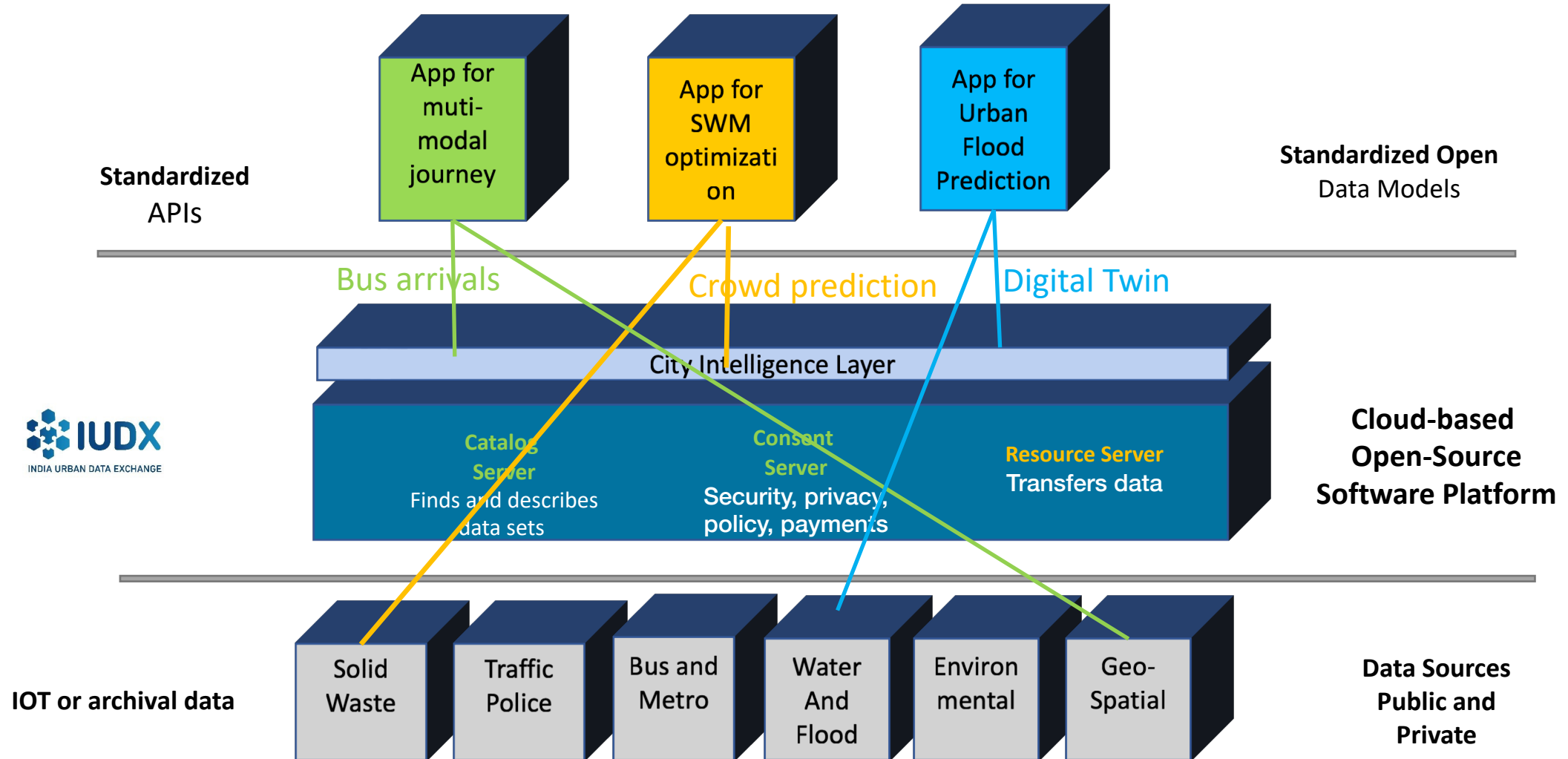
Bus Occupancy and ETA	Provide bus occupancy and accurate ETA as a service
Green Corridor for Emergency Vehicles	Provide clear passage for emergency vehicles through traffic Junctions
Flood Analytics and Management	Use hydrological datasets to create urban flood model and predict flood/inundation with accuracy
Integration of Traffic Junctions with ATCS	Use existing infrastructure such as cameras to perform video analytics for traffic density and integrate the signal into existing ATCS backbone
Solid Waste Pickup Route optimization	Suggest efficient route plan for solid waste pickup in real time
Miscellaneous	IUDX Powered ICCC, Multimodal application

<https://catalogue.iudx.org.in>

Architecture Model



Examples of Use of a City Intelligence Layer



THANK YOU