

Multimodal Transportation Planning Best Practices and Integration of Transportation Technologies (“Smart Cities”) Workshop

Session on “Hardware, Software, and the Role of Big Data in Smart Cities”



U.S. Department of Transportation
Federal Transit Administration

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Shifting Transportation Landscape

Innovative partnerships and new technologies are changing how we travel

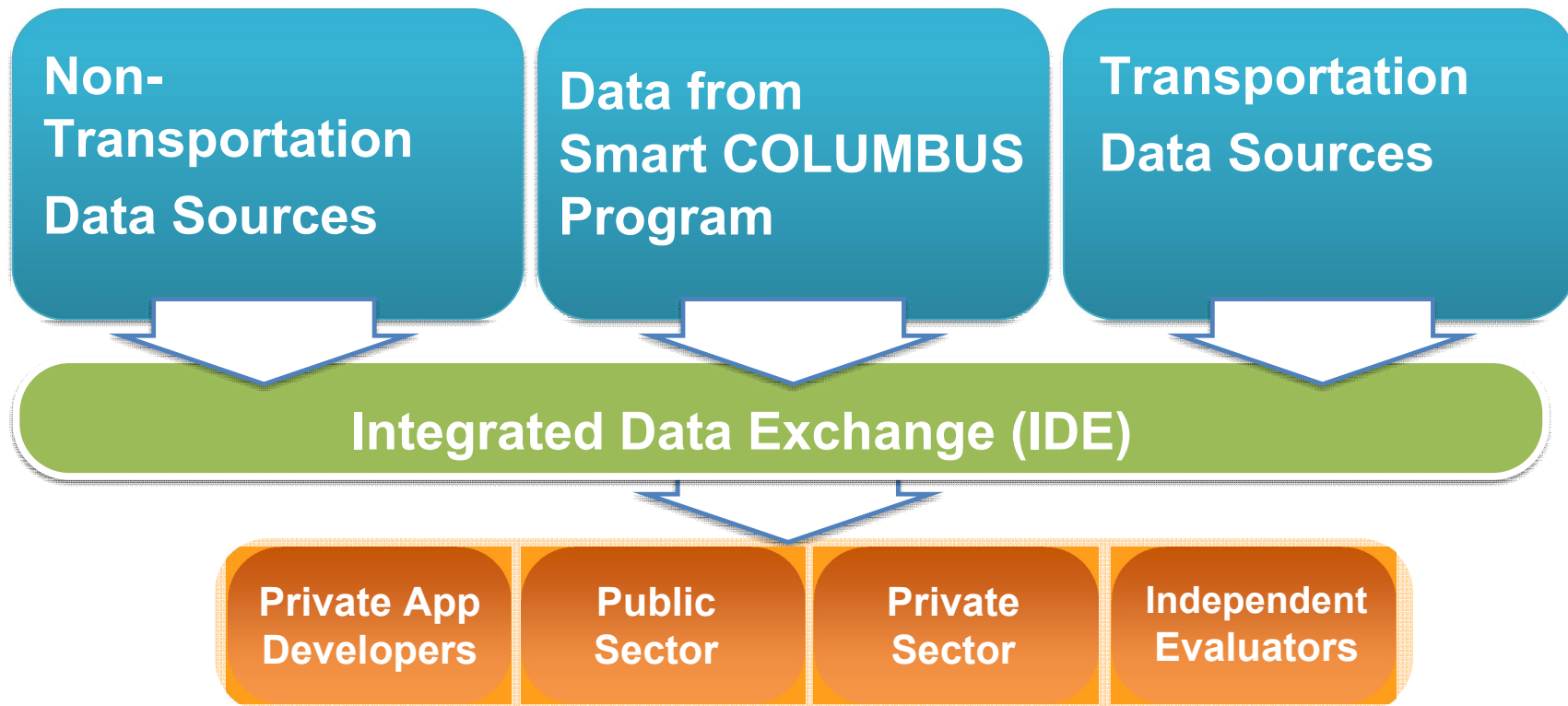
- State and local DOT's leveraging alternative transportation sources (taxis, shared rides and cars)
- Integrated multimodal traveler information apps
- Carpool and rideshare start-ups enable high-occupancy commuting
- Auto manufacturers are becoming mobility companies
- Mobility as a Service (MaaS) piloting in Europe







Integrated Data Exchange (IDE)



Source: The City of Columbus







MOD Program Goals

- **Explore emerging technology solutions and new business approaches**



- **Prepare the transportation industry to deliver innovative mobility solutions** (enhance efficiency and effectiveness, improve customer service, and foster personal mobility and access to goods and services)
- **Enable widespread deployment of integrated mobility solutions** (connected vehicles; increase personal mobility; provide access to all).





Observations from MOD Sandbox

- Relationship between transit and MOD found.
- Variety of approaches and business models used.
- Many great ideas, but disparity in readiness, implementation plans.
- Need for policy clarification.
- Current sandbox projects will provide information to industry and government agencies.

