MOBILITY

COVID

NEXT GENERATION MOBILITY
GTFS
donate worldwide adopted standard
Why was GTFS so successful?

- Collaborative team
  - started small designing for specific use
- Tangible business incentive for participation
- Simplicity of the specification and format
- Released as an open standard
- Contributions and involvement from the worldwide community of users
the nature of proprietary closed systems and data

unorganized data
MaaS and Smart Cities

organized data
start development of a new OSS with a collaborative team of developers

OSS
Best Practices for OSS in Government

- Focus on functional requirements
- Explore all software alternatives including OSS options and compare side by side with proprietary
- Include implementation costs as well as short and long term s/w maintenance costs
- Follow procurement rules as you normally would with proprietary software
- Require open architecture, OSS and use of open data standards in your RFP requirements
- OSS vendor should be required to commit contributions back to source code
MaaS Closed Proprietary Solutions

- Increasing annual fees
- Largely venture capitalist funded (less risk when code is open)
- Lack of data accuracy and updates
- Competing business priorities
- Closed architecture
- Not a comprehensive platform to meet all agency requirements
Mobility Platform

Smart Cities foundation enables emerging technologies… including MaaS.

Strategic technology choices, open architecture, planning, and design will enable future enhancements, build-outs and flexibility for the future in uncertain times.

MaaS
MOBILITY

COVID

NEXT GENERATION MOBILITY
Effects on Transportation

- Necessity
- Safety

unknowns
Constants

1. Movement of people and goods
2. Safety
3. Govt. responsibility to serve everyone with equity and accessibility
4. Technology advancements
5. Need for private/public collaboration
6. Goal of greener planet
Data Revolution

- personalized traveler information (incentives)
- data and measurements beyond just ridership counts
- more accessible and standardized data (environmental, health...)
- historical, real-time, predicted with machine learning
- analytical tools

Next Generation MaaS

personal travel assistant

Emerging Technologies

open architecture

Business

beyond the bottom line

Policy

cross jurisdictions & providers

Operations

how we operate and make decisions

Cultural change

NEXT GENERATION MOBILITY
Urban Platform, developed by Ubiwhere, demonstrated using open data and third-party data about the city of Barcelona.