Data-driven Policy Making

Mayor Pete Buttigieg
Cities Across the Globe Face:

**Challenges**

- Demographic Change
  - New digital expectations
  - Rapid rate of change
- Aging Infrastructure
  - Water management
  - Roads and Bridges
- Climate Change
  - Catastrophic events
  - Changing context
- Fiscal Constraints
  - Reduced revenue
  - Transparency

**Opportunities**

- Internet of Things
  - Residents and Things are interconnected in embedded environments
  - Data can be generated, analyzed, and consumed at low cost
- Service Orientation
  - Information technologies simplify service delivery
  - Metrics and accountability at the service level
- Analytics
  - More data and more computational power at lesser cost
  - Big data relevant in a local context
Transform Assets

City-As-A-Platform

- Talent
- Data
- Connectivity
- Communication
- Infrastructure
- Transportation
Confronted by constraints and the double-edged sword of data, as city managers we need frameworks that allow us to abstract technical complexity and focus on prioritizing and communicating decisions in an accessible way to politicians and residents.
A Growing Ecosystem
Moving beyond university investment and service projects to R&D for city solutions

M.O.U to Research, Develop, and Deploy
- Wireless Technologies
  - 5G Wireless
  - Internet of Things
- Talent Development Ecosystem
  - Tech enabled residents
  - Talent Pipeline
- Advanced Analytics and Modeling
  - Policy Evaluation
  - Operational Evaluation

MetroLab Network
22+ Universities and Cities sharing expertise and technology

Supported by:
The Sewers Example

Smart Sensors

$114 Million USD Saved
Prioritized innovation permeates to local culture

south bend
CODE SCHOOL

Bowman Creek Educational Ecosystem
Technology enables:

- Basics Are Easy
- Value
- Utility
- Warranty
- Good Government
- Optimization
- Transparency
- Efficiency & Effectiveness
- Investment in People & Places
- Development
- Jobs
- Ventures