

PBOT 2018 SMART CITIES FRAMEWORK

Portland Progress Initiatives & Smart Cities



INVEST IN SAFETY



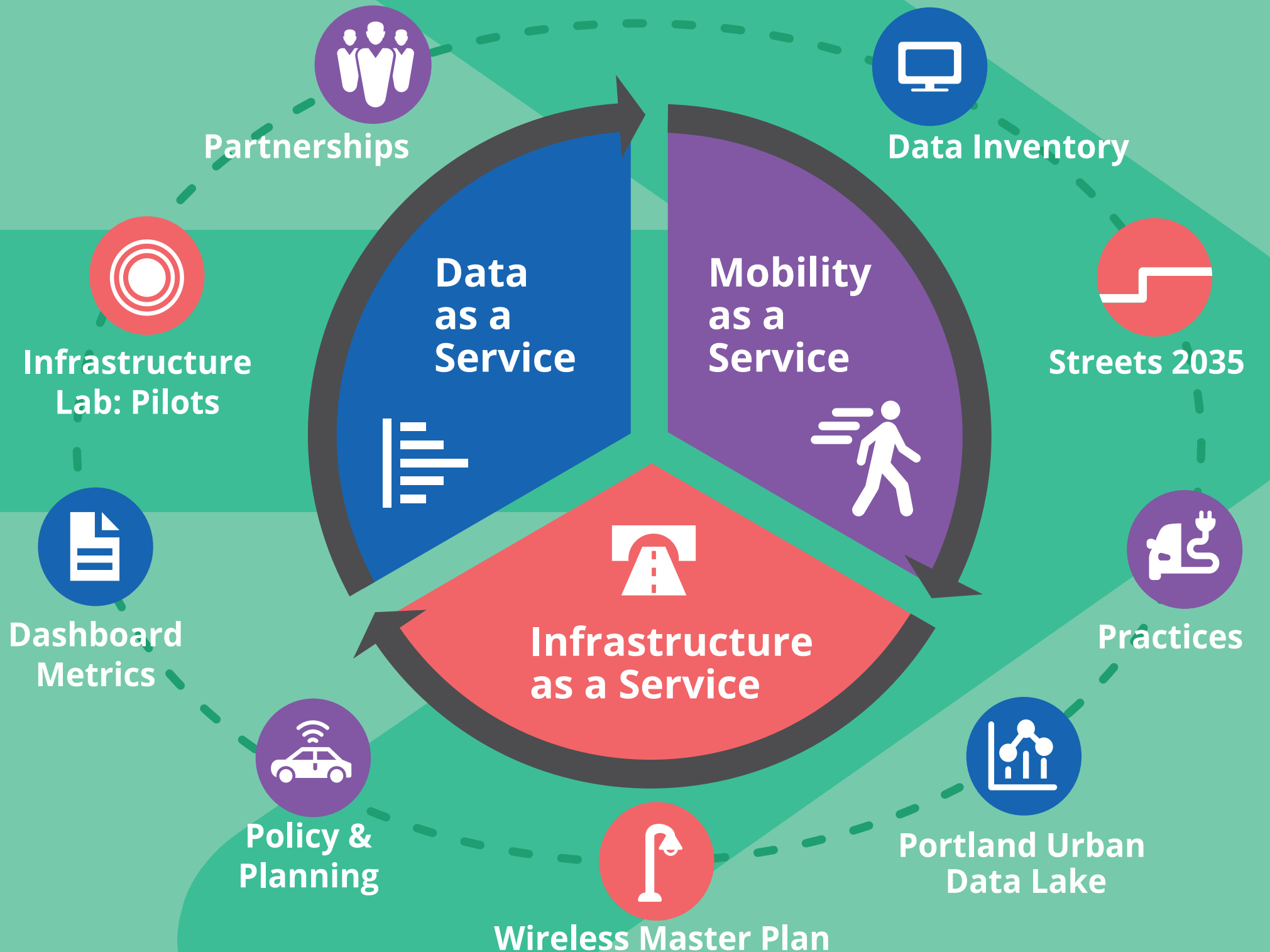
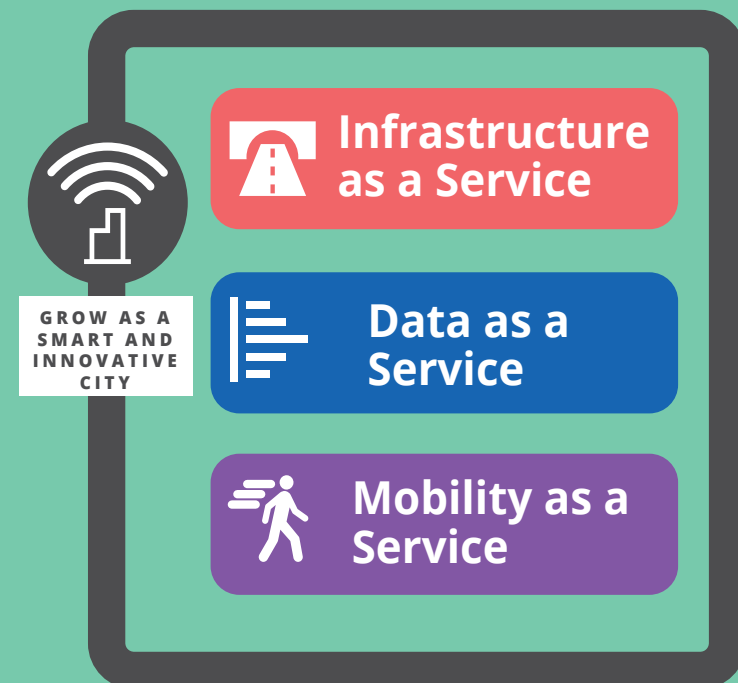
CREATE LIVABLE COMMUNITIES



FIXING OUR STREETS

2018 Smart Cities Project Areas

PBOT Smart Cities Projects move Portland Progress Initiatives Forward



2018 Areas of Focus



INFRASTRUCTURE AS A SERVICE

The use and access of public infrastructure are finite and valuable resources that should be managed creatively to monetize these assets.

Streets 2035



- A. Existing Conditions Assessment
- B. ROW Inventory
- C. ROW Workshop

Wireless Master Plan



- A. Vertical Infrastructure Inventory
- B. Radio Frequency Study
- C. Small Cell Marketing Plan

Infrastructure Lab: Pilots



- A. PDX Traffic Safety Sensors
- B. Infrastructure Monitoring
- C. CV-Streetcar Pilot



DATA AS A SERVICE

The rapid exchange of real time conditions and service information between customers, providers and supporting infrastructure.

Leverage tech and design for a better transportation experience.

Data Inventory



- A. Enterprise Level Inventory
- B. Data Gap Assessment
- C. Data Acquisition Strategy

Portland Urban Data Lake



- A. Create Urban Analytics Products
- B. Technology Architecture Analysis
- C. Collect/Store Data Sources

Dashboard Metrics



- A. Create Interactive Dashboards
- B. Design Analytic Work Products
- C. Pilot Visualization Tools



MOBILITY AS A SERVICE

A platform that works in collaboration with Data and Infrastructure to give more people more access to travel choices that advance City goals. Policy, Partnerships and Practices are the tools to develop and deliver this suite of mobility and info services coordinated across multiple modes and providers.

Policy & Planning



- A. AV/CV and Shared Mobility - policies and administrative rules/permits
- B. Existing Condition Reports (e.g. shared mobility, modeling)
- C. New Mobility Action Strategy

Partnerships



- A. State and Federal (e.g., OR AV Task Force)
- B. Private Sector (e.g., AV TNC)
- C. Pilot Projects (e.g., microtransit)

Practices



- A. Tactical Urbanism Toolkit (e.g. prioritize shared rides, feebate)
- B. EV Strategy Coordination
- C. Data Requirements

How can PBOT be better prepared in the future to respond and anticipate changes and remain effective as a regulator + service provider?

PBOT Smart Cities Team



PBOT Smart Cities team won't manage most of the identified projects. We will:

1. Track progress
2. Identify opportunities
3. Leverage results



PBOT Smart Cities Charter | Metrics | Results