City of Philadelphia

SMARTCITYPHL

ALASKA SMART COMMUNITIES

AGENDA

1 | DEFINITION GETTING + STARTED

2 | SMARTCITYPHL ROADMAP

3 | GOVERNANCE MODEL — STRUCTURE + ROLES

4 | PITCH + PILOT

5 | OPEN DATA PHILLY + THE METADATA CATALOG

6 | ATLAS.GOV

7 | GREEN STORMWATER SENSORS + HEAT ISLAND

8 | CHALLENGES

9 | Q+A

PHL DEFINITION OF SMART CITY:

A smart city is a city that uses integrated information and communication technology to support the economic, social, and environmental goals of its community.

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HOW IT ALL STARTED...

GETTING STARTED:

Assessed existing assets and initiatives	Conducted focus group interviews	Identified gaps + opportunities
Facilitated brainstorm sessions	Benchmarked peer cities on leading practices	Engaged external stakeholders for feedback

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SMARTCITYPHL: 4 GUIDING PRINCIPLES

LOCALLY - INSPIRED

INNOVATIVE

EQUITABLE

COLLABORATIVE

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SMARTCITYPHL STRATEGIES

1 | **BUILD A STRONG FOUNDATION WITH POLICY AND INFRASTRUCTURE**

2 | **CREATE A PROCESS FOR ENGAGEMENT AND PARTNERSHIPS**

3 | **SUPPORT AND SUSTAIN IMPLEMENTATION OF PROJECTS AND PROGRAMS WITH FUNDING**

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SMARTCITYPHL GOALS

1 | FORMALIZE A MASTER DATA STRATEGY

2 | INTEGRATE ASSET MANAGEMENT OF CITY COMMUNICATIONS AND NETWORK INFRASTRUCTURE

3 | FORMALIZE A PIPELINE FOR PILOTS AND PARTNERSHIPS

4 | CREATE AN UNDERSTANDING OF WHAT IS A SMART CITY WITHIN COMMUNITIES

5 | IDENTIFY FUNDING OPPORTUNITIES TO SUPPORT AND SUSTAIN IMPLEMENTATION

GOVERNANCE MODEL | STRUCTURE

EXECUTIVE LEADERSHIP

CAO, CIO + DM DIRECTOR FOR OTIS

SMART CITY DIRECTOR

ADVISORY COMMITTEE

WORKING GROUP

DATA, NETWORK + SECURITY

PITCH + PILOT WORKING GROUP

CITIZENS + COMMUNITIES

FUNDING, FINANCING + BUSINESS ENGAGEMENT

COMMUNICATIONS + MARKETING

DATA, NETWORK + SECURITY

STRATEGY 1

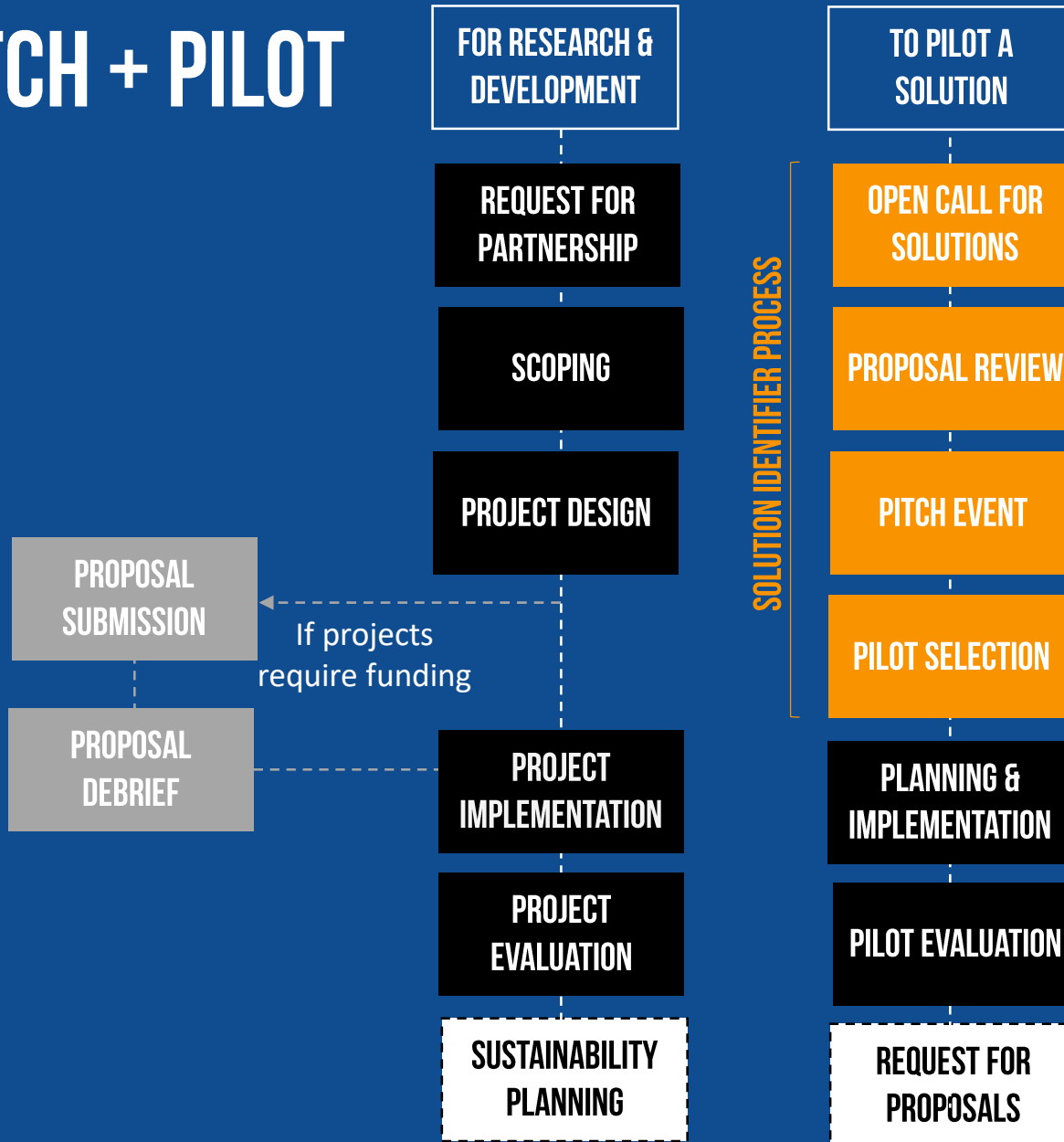Build a strong foundation with policy and infrastructure

POTENTIAL TOPICS

Governance, security + privacy, data, and network infrastructure
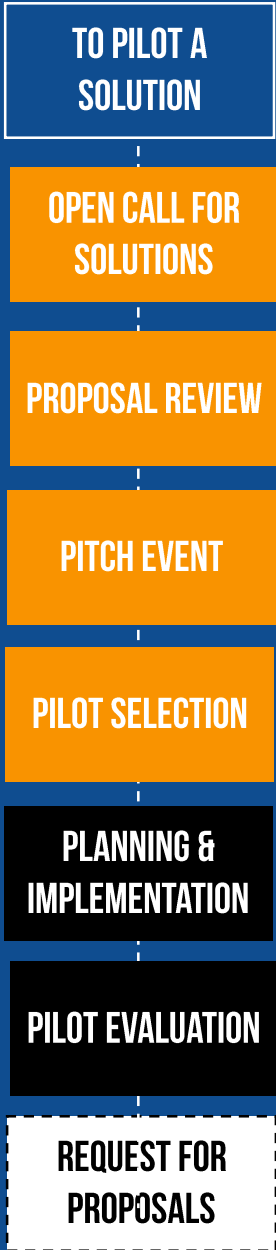
POTENTIAL TASKS

- Engage with City/OIT to support continued development of master data strategy and formalize data inventory process
- Make recommendations for data privacy and algorithm policies and standards utilizing a smart city lens

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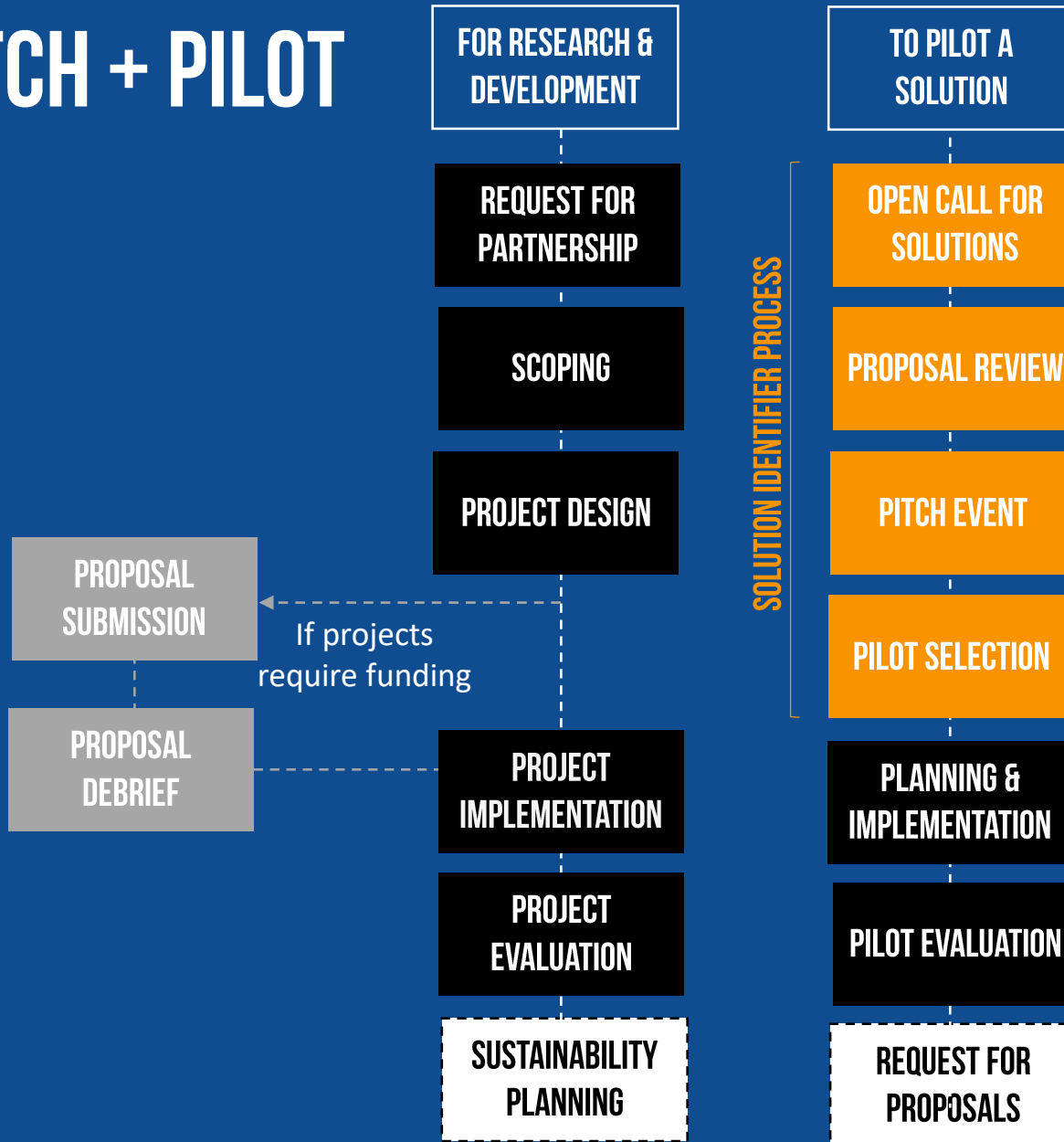Philadelphia

PITCH + PILOT

TO PILOT A SOLUTION

SOLUTION IDENTIFIER PROCESS

OPEN CALL FOR SOLUTIONS

PROPOSAL REVIEW

PITCH EVENT

PILOT SELECTION

PLANNING & IMPLEMENTATION

PILOT EVALUATION

REQUEST FOR PROPOSALS

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PITCH + PILOT

FOR RESEARCH & DEVELOPMENT

- REQUEST FOR PARTNERSHIP
- SCOPING
- PROJECT DESIGN
- PROJECT IMPLEMENTATION
- PROJECT EVALUATION
- SUSTAINABILITY PLANNING

TO PILOT A SOLUTION

SOLUTION IDENTIFIER PROCESS
- OPEN CALL FOR SOLUTIONS
- PROPOSAL REVIEW
- PITCH EVENT
- PILOT SELECTION

- PLANNING & IMPLEMENTATION
- PILOT EVALUATION
- REQUEST FOR PROPOSALS

PROPOSAL SUBMISSION

PROPOSAL DEBRIEF

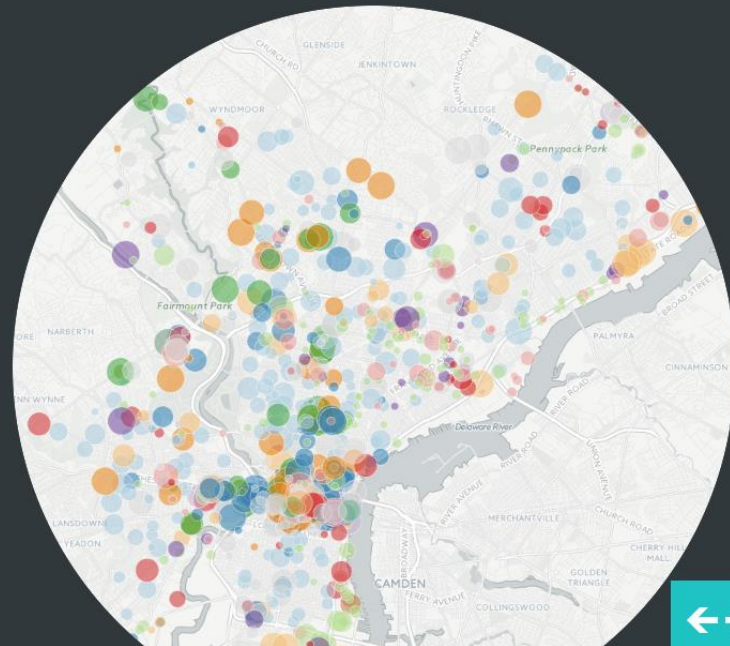If projects require funding

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OPEN DATA PHILLY + THE METADATA CATALOG

OpenDataPhilly

Datasets   Organizations   Topics   About   Resources

Your source for open data in the Philadelphia region

OpenDataPhilly is a catalog of open data in the Philadelphia region. In addition to being the official open data repository for the City, it includes data sets from many organizations in the region.

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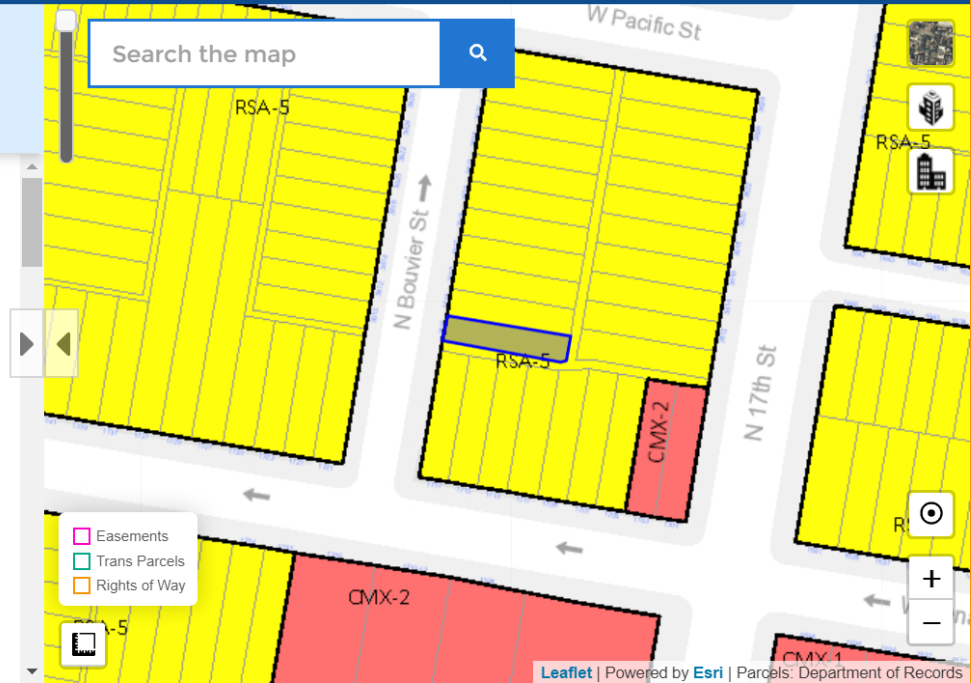
ATLAS

GREEN STORMWATER SENSORS + HEAT ISLAND

Philadelphia boundary

Parks, open space, or other protected land

Cool priorities
- Very high
- High
- Moderate

This map highlights urban heat island hotspots, which are areas of the city with elevated land surface temperatures averaging at least 1.25 degrees above the mean daily temperature during the summer months of 2016. Elevated temperatures can have negative health impacts and also increase summer peak energy demand, air conditioning costs, air pollution, and greenhouse gas emissions. This can necessitate an extra 5-10% of energy use for cooling urban buildings during peak energy use periods. This has important climate change impacts, as extra energy use for cooling results in additional greenhouse gas emissions, a vicious cycle that will further increase global air temperatures and urban heat challenges. This map was created by combining the following Cool criteria:

Reduce urban heat island hotspots
Increase tree canopy cover
Decrease impervious cover

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CHALLENGES

- Procurement process

- Cross-department buy-in

- Making the case for the investment

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THANK YOU!

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