

Luxi Lin | Master in City Planning, International Development - MIT Hayrettin Gunc | Master of Architecture in Urban Design - Harvard GSD

## **Introduction**





Physical Digital



## Client / Objectives

- -Bridging physical with the digital
- -More interaction between participants
- -Easier workflow







### Existing Web Platform

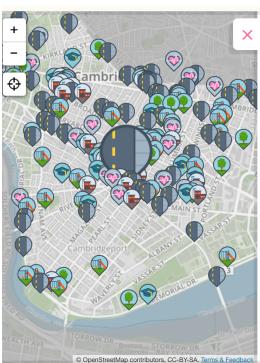
### CITY OF CAMBRIDGE **PARTICIPATORY BUDGETING**

ABOUT GUIDELINES **CAMBRIDGE PB HOME** 

**SHOW IDEAS AS A LIST** 

SIGN IN

Q Enter an address...



## bicycle paths in name of the MIT Alumnus that was killed



**Richard** suggested this Streets & Sidewalks idea near Massachusetts Avenue.

This is needed for safety. It could be located in Central Square and also citywide.

#### 1 comment

Budget Delegates did not rank this as a high priority project.



**City of Cambridge** AROUND 3 DAYS AGO

Powered by Shareabouts, a project of OpenPlans.







City of Cambridge commented on To repair the sidewalks



City of Cambridge commented on Widen and Light this Sidewalk



City of Cambridge commented on Use grass pave on infrequently used roads



City of Cambridge commented on Turn this part of JFK street into a pedestrian mall.



City of Cambridge commented on Turn Harvard Street into a Neighborway



City of Cambridge commented on Windsor and Mass Ave

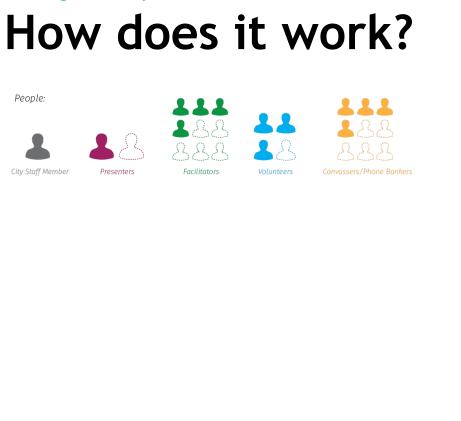


City of Cambridge commented on to have education bike signage throughout the city, especially in Inman Square.



City of Cambridge commented on To add nice green bicycle paths in name of the MIT Alumnus that was killed

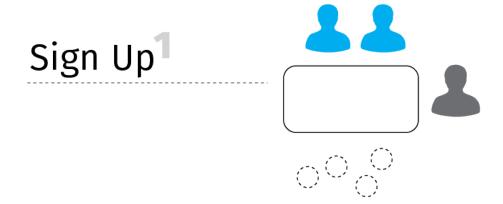






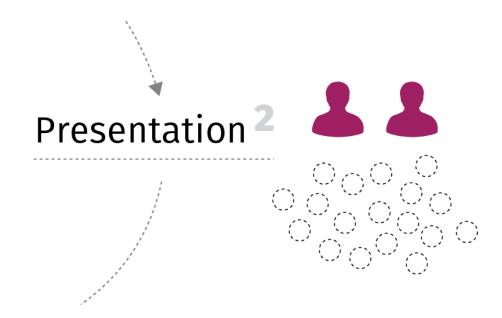


1-Paper based sign-up upon arrival/volunteers



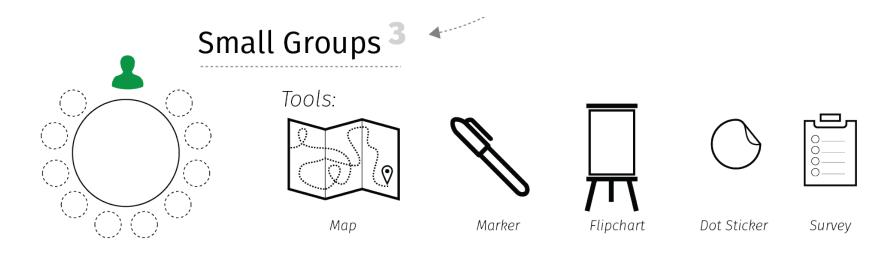


2- Introduction and icebreaker presentation



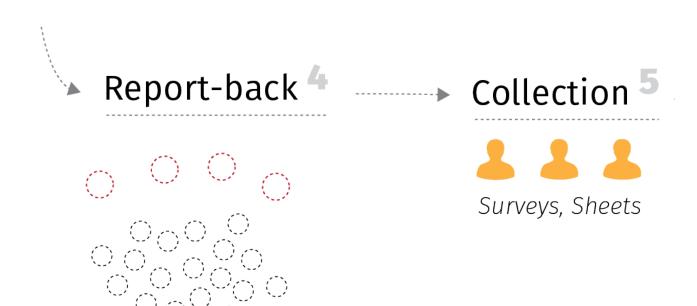


3- Small group discussion for idea collection, idea ranking, and budget delegate selection



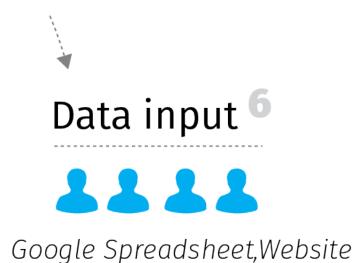


4- Reporting back and collecting the papers from each table





5- Digitizing all the data and pushing into the existing web platform by PB staff





## How can it be improved?





## **Intervention Areas**







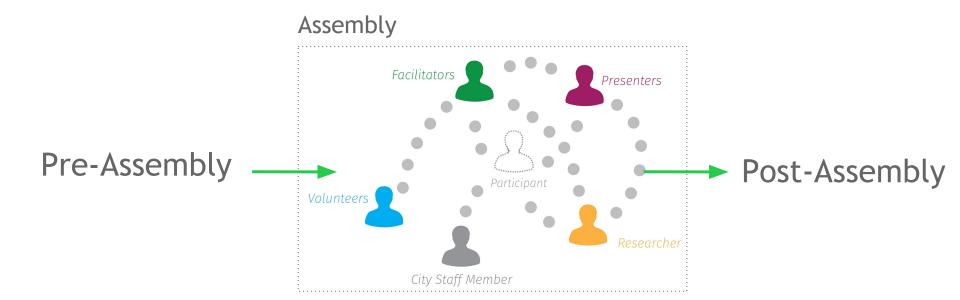
**Idea Collection** 



Follow-up



### **Live Assembly Concept**



1 Participant sign-up: RSVP

- 1 Participant sign-up
- 2 Digitize ideas real-time and link with participants
- 3 Budget delegate sign-up

3 Follow-up with participants and ideas

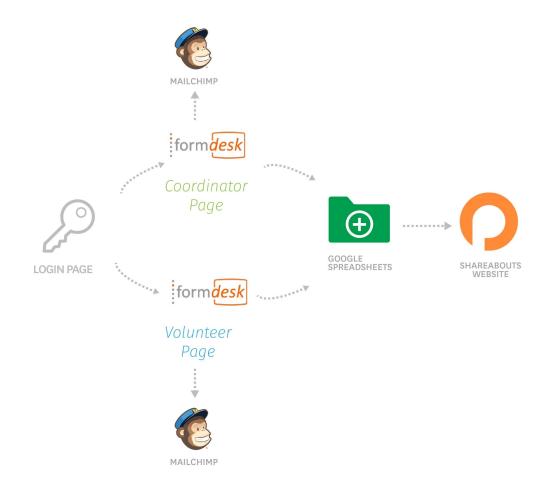




https://www.youtube.com/watch?v=03Bu6O1E5zc



## **Technology**





## **Product**

## user-friendly interface: website

login: liveassembly.luxi.webfactional.com



liveassembly.luxi.webfactional.com/coordinator

Participant sign-up-> Submit an idea -> View/Edit/Rank Ideas -> Select Budget Delegates

<u>liveassembly.luxi.webfactional.com/volunteer</u>

Create an assembly Invite -> View results -> Follow-up Budget delegates



## **RSVP Integration**



pbliveassembly@gmail.com via mail2.mcsignup.com

10:12 PM (0 minutes ago) 🐈

4 -



### You are invited!

Put on your thinking caps and join your neighbors at this Participatory Budgeting Assembly to brainstorm ideas about how to use \$500,000 of the City's FY 2016 Capital Budget to improve your community.

#### WHEN

December 08, 2014 at 11:30am - 1:30pm

#### WHERE

Cambridge Water Department 250 Fresh Pond Pkwy Cafeteria (ground floor) Cambridge, MA 02138

United States

### Are you coming?

Sign Up for the Assembly

#### Volunteer

Copyright @ 2015 \*|LIST:COMPANY|\*, All rights reserved.
\*|LIST:DESCRIPTION|\*

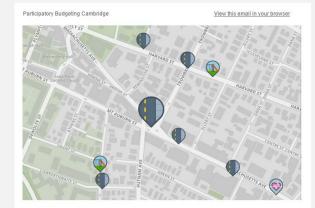
Our mailing address is: \*|HTML:LIST\_ADDRESS\_HTML|\*

unsubscribe from this list update subscription preferences



Follow-up Integration





## Congratulations!

Your idea is now online. You can see it following this link: http://shareabouts-pbcambridge.herokuapp.com/place/292965

Thank you for helping make Cambridge's Participatory Budgeting Process a success.

There are more ways for you to get involved:

- 1-Submit other ideas at cambridgema.gov/yourbudget
- 2-Encourage others to come to assemblies
- 3-Volunteer to be a Budget Delegate
- 4-Vote for final projects in March

You can also help us by spreading the word. Please share your ideas on social media and let people know that they can participate too.

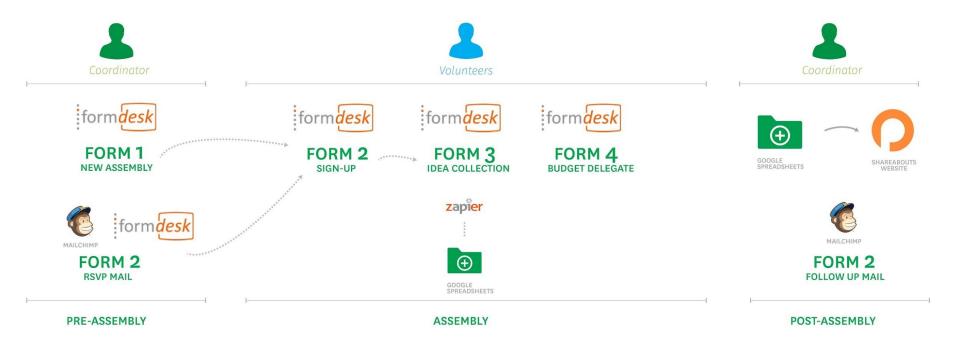


"|HIME:LIST\_ADDRESS\_HIME|"

unsubscribe from this list update subscription preferences



## **Technology**





## Why Formdesk?







	Server	Look-up	Mapping	Connect with Google Spreadsheet	Cost
Formdesk	<b>V</b>	√	√	√	\$700/year
FormAssembly	√	√			\$1560/year
Google Form	√		√		Free
Fulcrum	<b>V</b>		√	√	\$1200/year

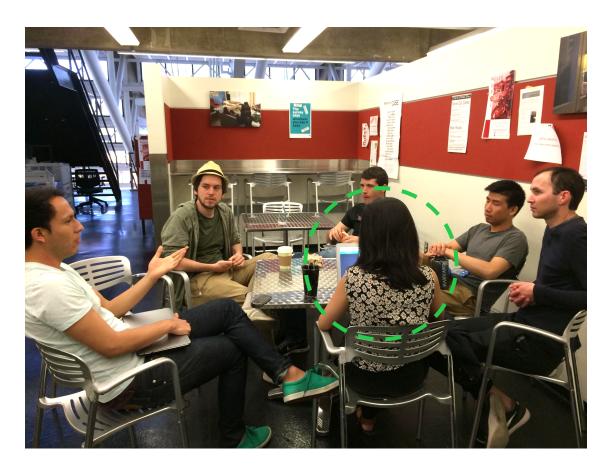


## Pre-release: Challenges

- 1. Tablets or computers are required, 1 per table/group.
- 2. Internet connection is required for data input.
- 3. Volunteers need to learn how to use the tool at the assembly.
- 4. Note-takers(volunteers) need to keep up with the conversation while using the tool
- 5. Not every idea has a specific location



## Release & Mock-up Assembly







## Release & Mock-up Assembly

### **Positive**

It works!

### Observation & Feedback

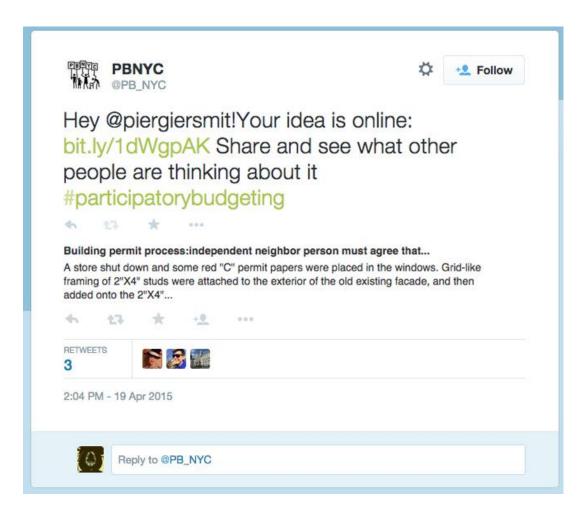
- 1- Volunteer needs to get familiar with the computer
- 2- What if something doesn't work?
- 3- Sometimes the discussion can be too fast to follow
- 4- Possibility of selecting multiple categories rather than a single one
- 5- Summarizing the idea was hard. Instead, one can put hashtags in front of keywords
- 6- Make people's name as button



## **Opportunities**

Select and tweet real-time ideas by the coordinators

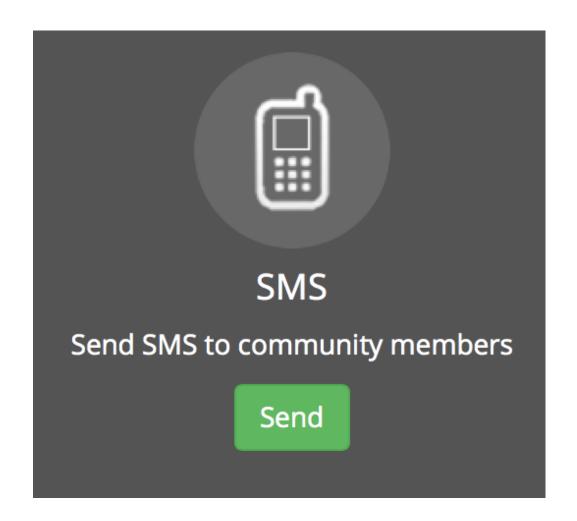
Promotion
Get online feedback from people





## **Opportunities**

Sending invitation SMS to people





## **Opportunities**

Using the tool to collect ideas on the street





## Handover Strategy

1-Webpage to be hosted on PB website liveassembly.participatorybudgeting.org

2-Formdesk, Gmail and Zapier account turnover and account maintenance

3-Budget: around \$1000/year, may vary depending on data submission and add-on features

4-Developer needed for: Shareabouts data feed, login, group email

5-A manual on PB handover and new city handover







## **Detailed Budget**

# **Formdesk**

	<ul><li>Small</li></ul>	<ul><li>Medium</li></ul>	<ul><li>Large</li></ul>	• X Large	<ul><li>Bronze</li></ul>	Silver	<ul><li>Gold</li></ul>	• Platinum
Stored Results ?	250	500	1,500	3,000	1,500	3,000	6,000	12,000
Monthly form submissions ?	250	500	1,000	2,000	1,000	2,000	4,000	8,000
Monthly requests ?	1,000	2,000	6,000	12,000	6,000	12,000	24,000	48,000
File upload space ?	5 MB	10 MB	25 MB	50 MB	25 MB	50 MB	100 MB	200 MB
Price for one year ?	\$ 49	\$ 99	\$ 249	\$ 499	\$ 1,000	\$ 2,000	\$ 4,000	\$ 8,000

Feature					
Secure data transfer (ssl)	\$ 99	☐ Multi-page forms ?	\$ 99	SMS SMS ?	\$ 99
🕰 ┌ Group email 🤨	\$ 99	Dependencies ?	\$ 99	₩ebhooks ?	\$ 99
User Management ?	\$ 99	PDF ?	\$ 99	Lookup ?	\$ 99
		₩orkflow ?	\$ 99	☐ Enhanced Validations ?	\$ 99

### **Detailed Budget**

# Zapier

