

URBAN Boston University Graduate Program in Urban Biogeoscience & Environmental Health

Sarabeth Buckley

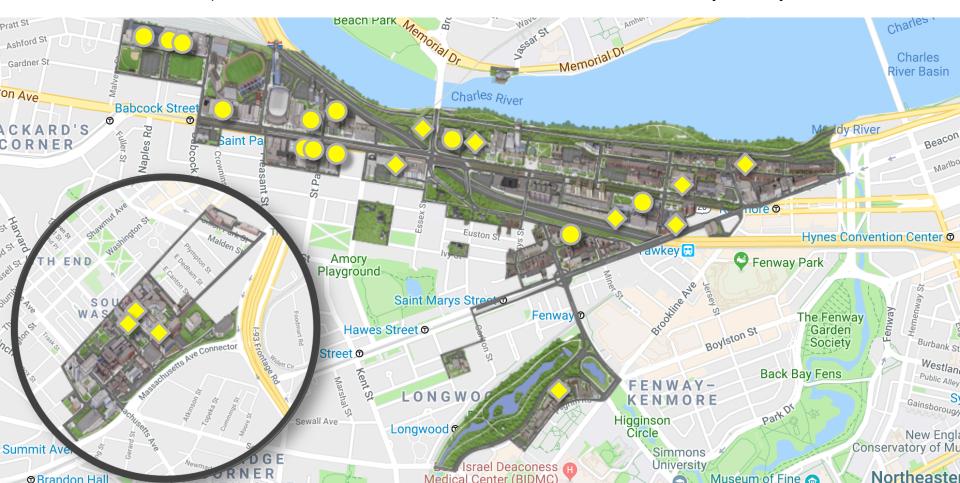
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BU Green Roof Feasibility Study

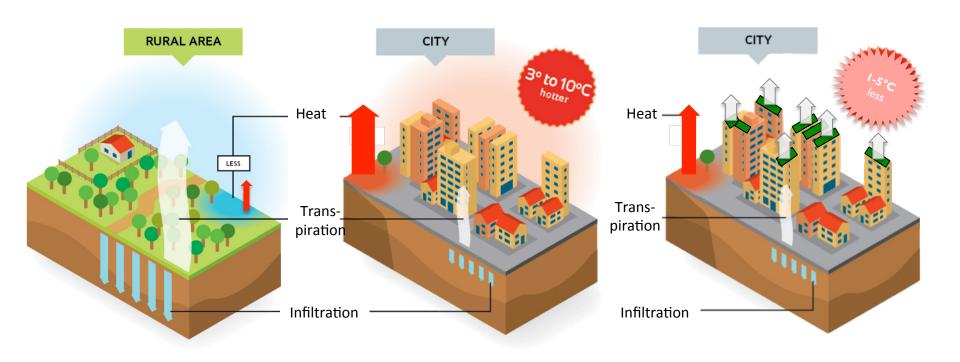




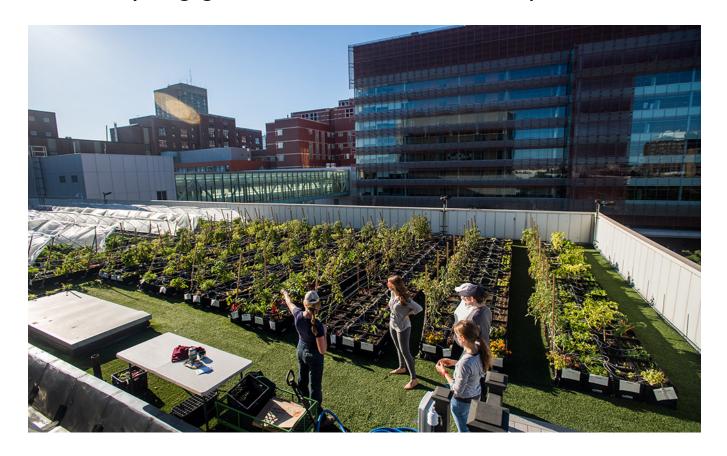
Project Goal: BU SOLAR to Green Roof Feasibility Study



BU Climate Action Plan Recommendations Green roofs can address flooding and heat waves



Community Engagement: Green roofs can also produce food



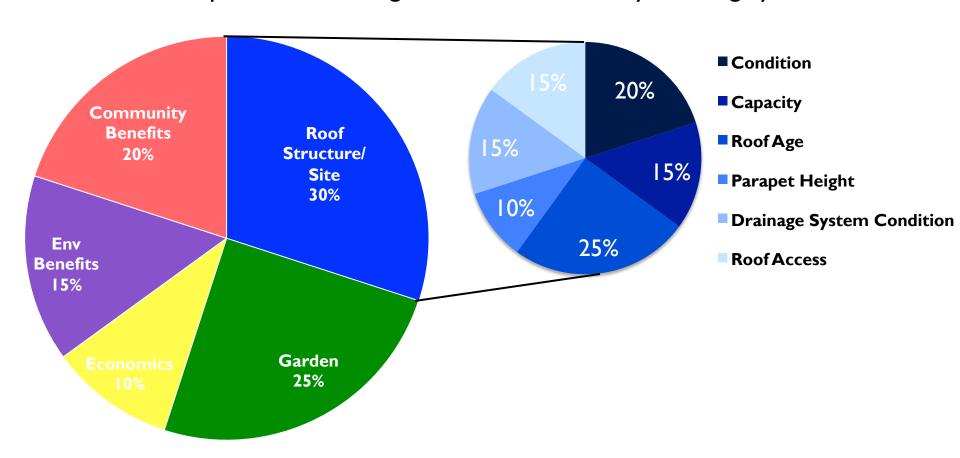
Community Engagement: Great places for community events



Developed a BU Building Green Roof Suitability Grading System

Category	Subcategory	% of Subcategory	State	Grades	% of Total
Roof Structure/Site	Condition	20.0%	Excellent or Failed Good Satisfactory Bad	10 8 5	6.0%
	Capacity	15.0%	>155 lbs 55 - 155 lbs 30 - 55 15 - 30 <15 lbs	10 9 8 7	4.5%
	Roof Age	25.0%	< 3 years or > 18 years 3 - 8 years 8 - 18 years Unknown	10 7 2	7.5%
	Parapet Height	10.0%	High Small None	10 1	3.0%
	Draining System Condition	15.0%	Good Satisfactory Bad	10 6 1	4.5%
30%	Roof Access	15.0%	Solid wide stairs N/A Narrow wood stairs Stairs+Fixed ladder Extension ladder None/lift required	10 10 7 6 3	4.5%

Developed a BU Building Green Roof Suitability Grading System



BU Green Roof Feasibility Memorial Dr Charles River **Babcock Street** Marys Street o Fenway 9 NGWO vood 🔊 Israel Deaconess

A Vision of Campus for the Future, in an Ideal World and Lessons Learned



Project Goal

- What is your project?
 - Describe the theme of your project, its scope, and mission
 - How does your project benefit the community?
 - Where are you doing this work?
 - Who are your partners?
 - How far along are you in your project?
 - Any other details you think help the audience understand what you are working on

How do you engage with the community?

- If partner organization, how do you engage the community during new projects?
- If faculty, how does your department's or institute's project goals engage with the community?
- If student, how will the outcome of your project engage the community?

In an ideal world...

- If partner organization, describe what urban environmental projects you would like to carry out if you had an endless budget
- If faculty, describe what (additional) tools and skillsets are available to carry out community engaged partnership projects that can make a difference
- If students, describe what new skills you think other students should develop to engage with partners in the future OR describe what you learned and what skills you applied.