

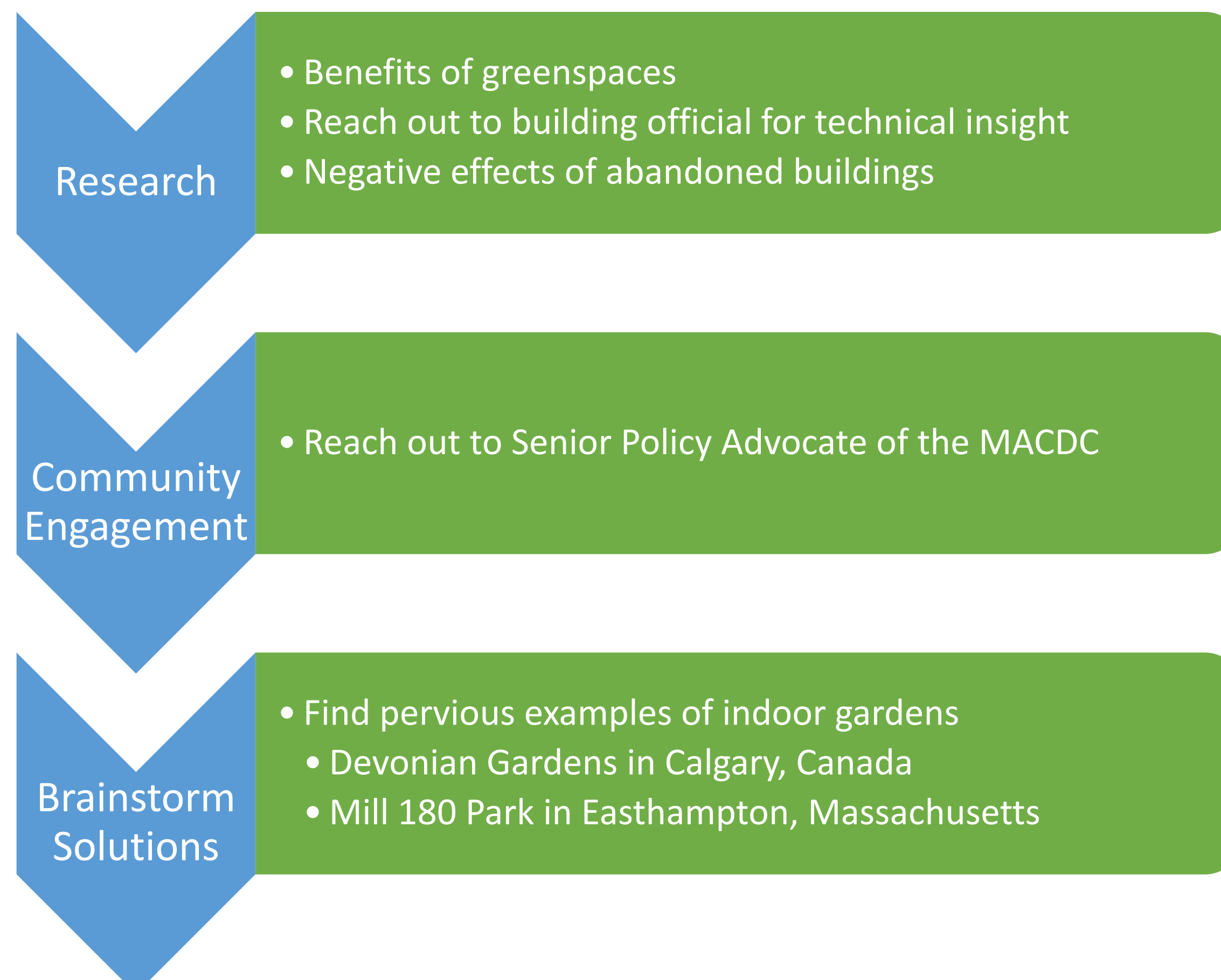
# ABANDONED INFRASTRUCTURE RENEWAL THROUGH GREEN SPACE INCORPORATION

Chioma Onyenokwe, Madison Govaert, Trish Worthington  
 Advisors: Marja Bakermans, Geoffrey Pfeifer

## Need:

There is a lack of greenspace, while, at the same time, an overabundance of abandoned infrastructure in cities.

## Approach:



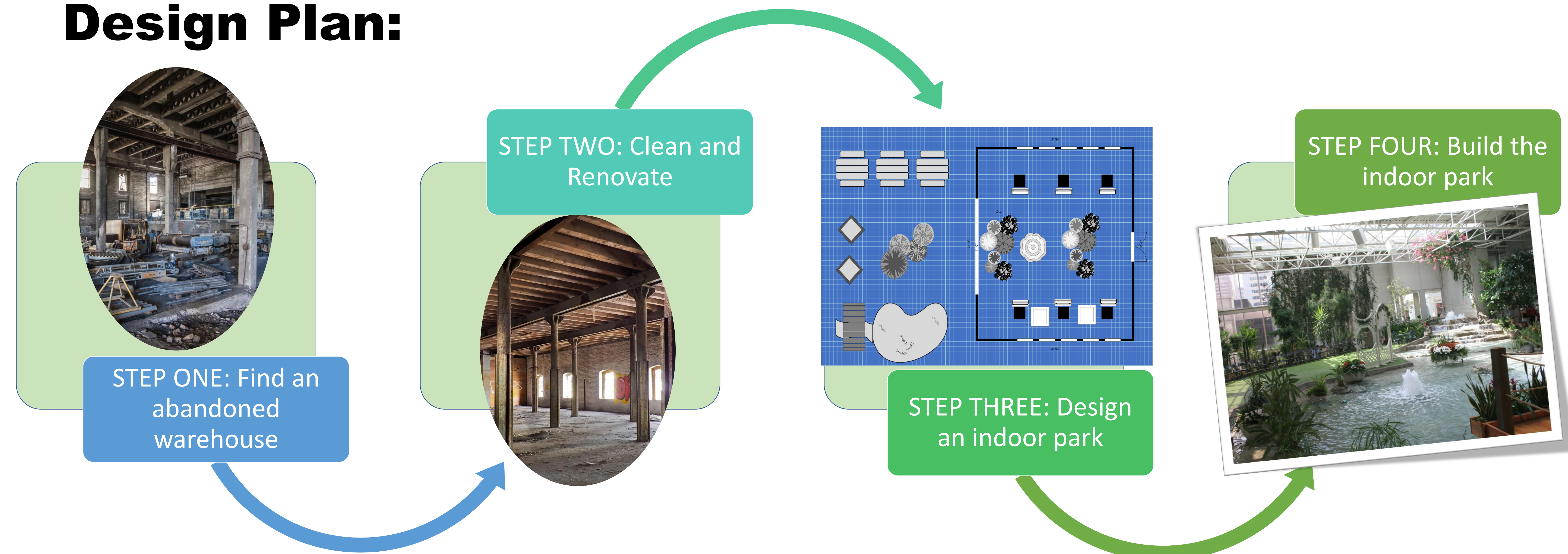
## Research:

- Spending time at a park has been found to reduce stress and improve moods.
- Proximity to urban green spaces encourages older individuals to socialize and get to know their neighbors.
- Abandoned buildings have been described as magnets for crime

because if an abandoned building could easily be entered, it was being entered. Of those buildings, 83 percent were being used for illegal purposes.

- Abandoned buildings reduce the surrounding buildings properties' worth which helps to contribute to the decline of the local economy.

## Design Plan:



## Solution:

To address the problems, indoor parks can be implemented in abandoned warehouses. This allows more people to visit a park all year long, close to where they live, instead of living next to an abandoned building.

## Acknowledgments:

Special thanks to Abby King, Don Bianchi & John Worthington for necessary project guidance and direction.

## References:

Economist Intelligence Unit. (2011). *US and Canada Green City Index*. Munich, Germany: Siemens AG.  
 Harnik, P., & Bloomberg, M. (Mayor). (2014). Urban green: Innovative parks for resurgent cities(pp. 13-103).  
 Orsaga-Smith, E., Mowen, A.J., Payne, L.L., & GODBEY, G. (2004). The interaction of stress and park use on psycho-physiological health in older adults. *Journal of Leisure Research*, 36(2) (pp. 232-256).  
 Pagano, M.A., & Bowman, A.O'M. (2000). Vacant land in cities: an urban source (pp. 1-8) Washington D.C.: The Brookings Institution Center on Urban and Metropolitan Policy.  
 [Photo of an old abandoned factory that is dirty, empty, decaying, creepy, graffiti]. (2017, January 30). Retrieved from <https://pixhere.com/en/photo/585210>  
 [Photo of a factory, weathered, warehouse, transience, wooden beams]. (2017, March 20). Retrieved from <https://pixhere.com/en/photo/1213375>  
 TheActivist. (2014). *18,600,000 vacant homes in the US. Enough for every homeless person to have six!*  
 Vergara, C. J. (1995). *The new American ghetto*. Rutgers University Press.