## Biophilic DC

Nature in the Heart of the City

Stella Tarnay

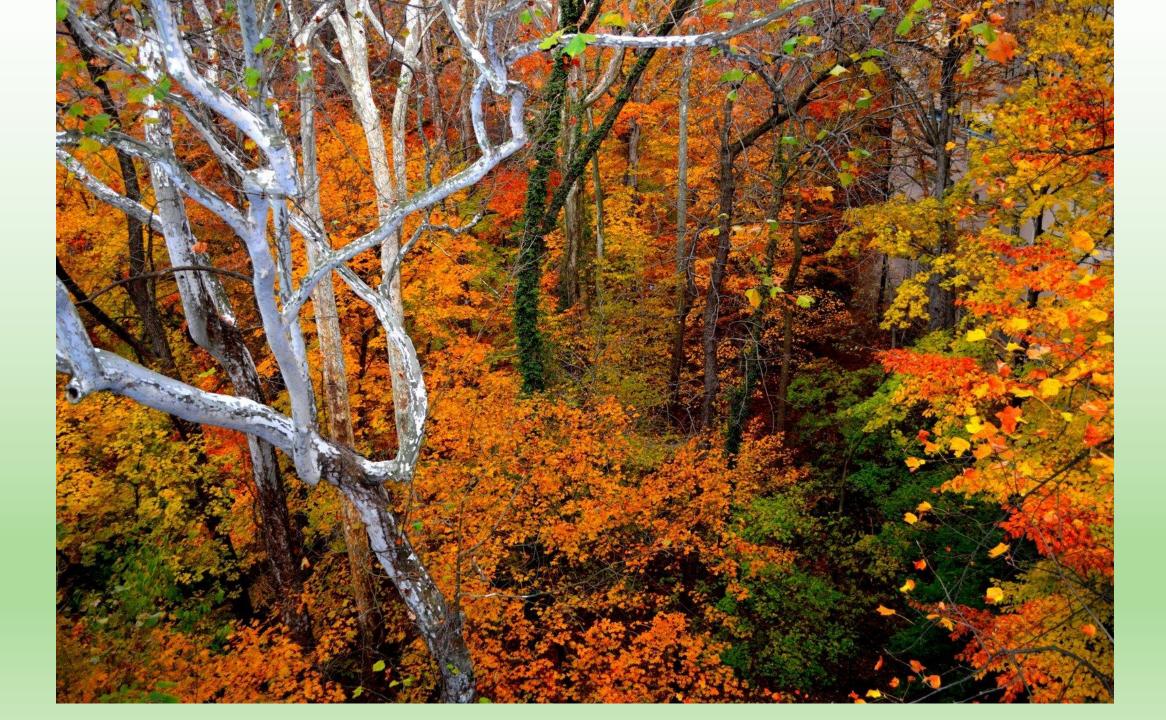
**BEEAC - MWCOG** 

Oct. 19, 2017









### Biophilia:

"Love of Life" "Friendship with the living world"

The innate human urge to affiliate with other living species



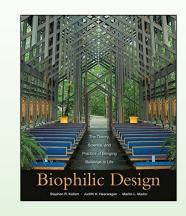
Pic: Rick Friedman for The New York Times



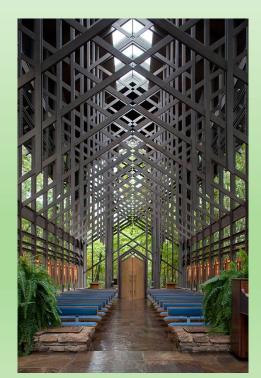
Pic: Wicoff Design Studio

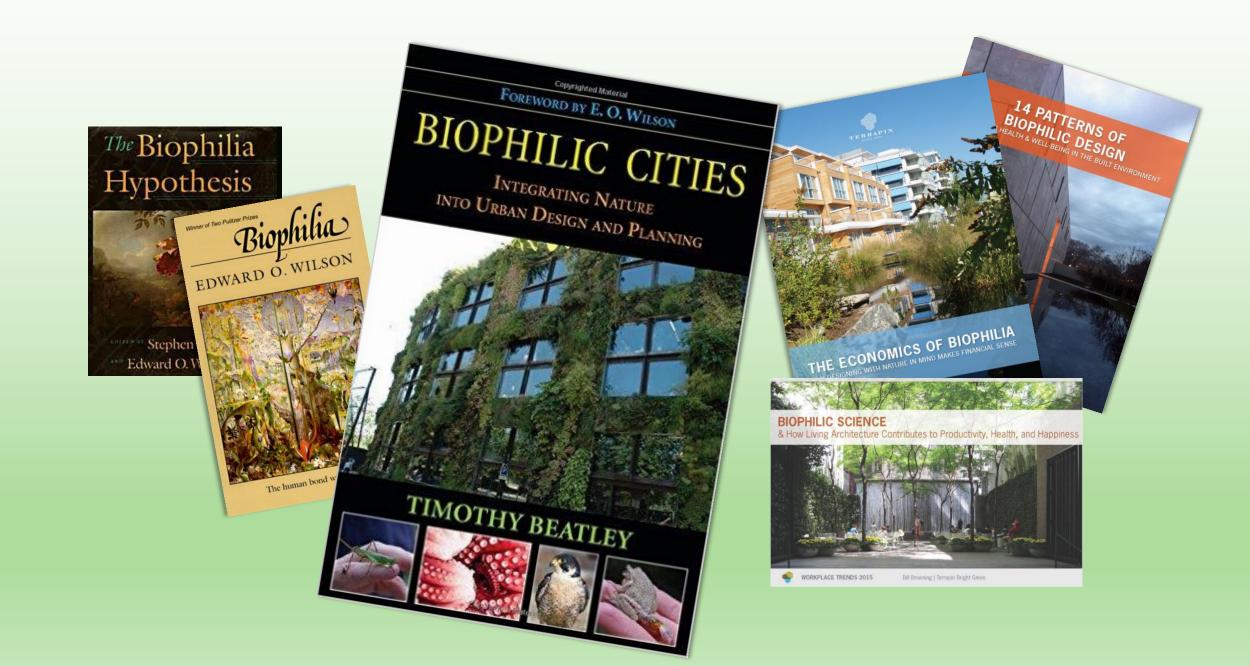












#### Cities as Hubs of Nature – new realities

- An urbanizing world—over 50% of humans on planet live in metropolitan areas and growing—their primary experience of nature will be in city.
- In some cases cities are repositories of biodiversity. Conservation has moved to the city.



Community and Public Health (Toronto)

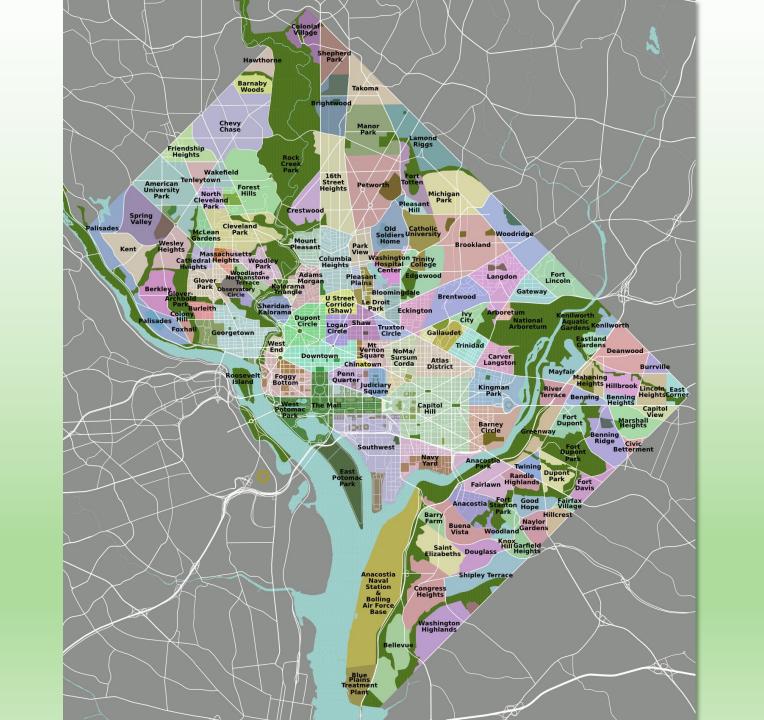
#### Biophilic Cities – a growing understanding

Biophilic Cities are cities that contain abundant nature; they are cities that care about, seek to protect, restore and grow this nature, and that strive to foster deep connections and daily contact with the natural world. Nature is not something optional, but absolutely essential to living a happy, healthy and meaningful life.



Tim Beatley, Founder, Biophilic Cities Network























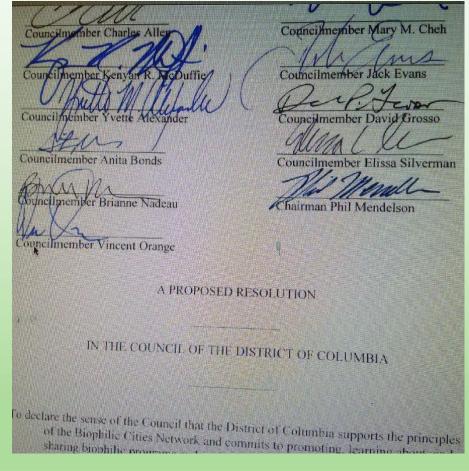
#### Biophilic DC Working Group

- **Vision.** We envision a Biophilic DC:
  - that supports the health and wellbeing of its people
  - whose residents—especially children—have equal access to nature all the benefits that entails, and
  - where the ecologies and species we share our city with thrive

#### How.

- Develop culture of engagement with nature
- Partner and collaborate across disciplines to promote biophilic policies and practices Pilot projects? Initiatives? Research?
- Public sector engagement





# District of Columbia Sense of the Council on Biophilic Cities Resolution of 2015



To declare the sense of the Council that the District of Columbia supports the principles of the Biophilic Cities Network and commits to promoting, learning about, and sharing biophilic programs and projects with other participating municipalities, to supporting urban biodiversity, and to creating opportunities for all District residents to connect to nature.









May 23, 2016 at UDC

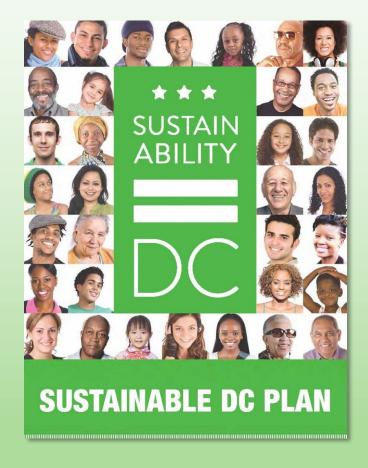


#### Public Policy





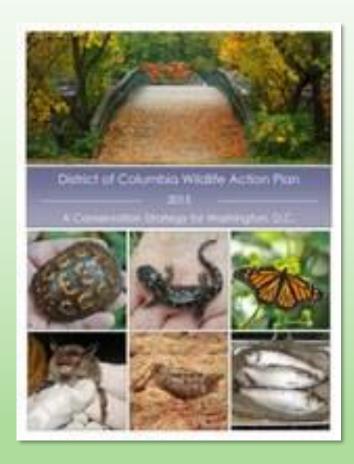




















Ludlow Taylor School

#### Non-Profit and Culture



National Parks Bioblitz • Washington, D.C.





















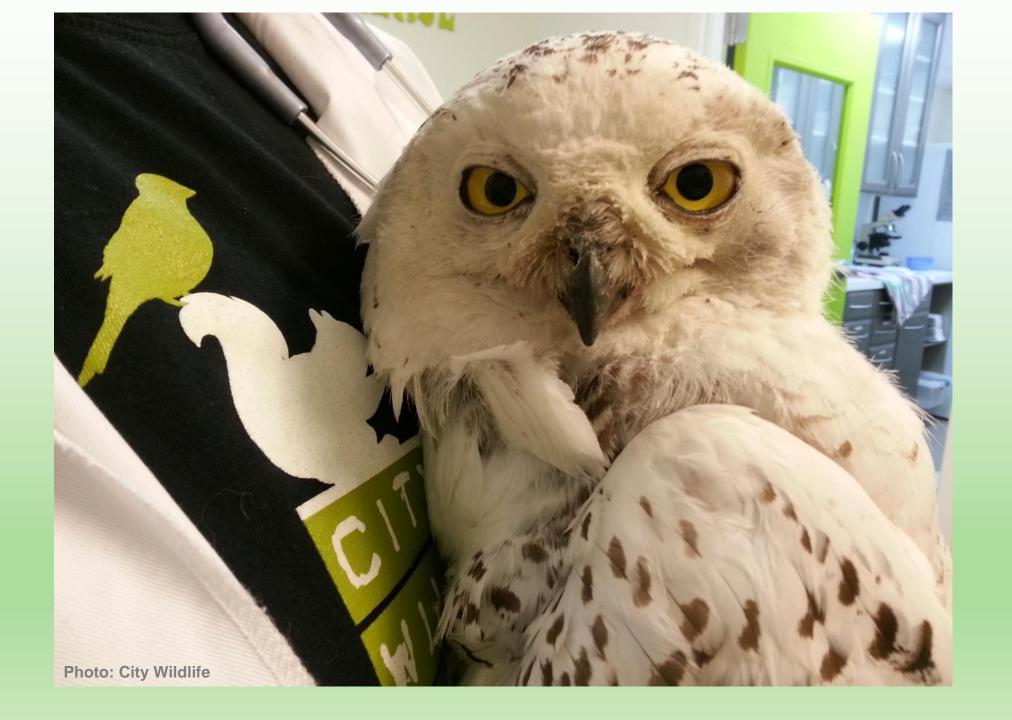






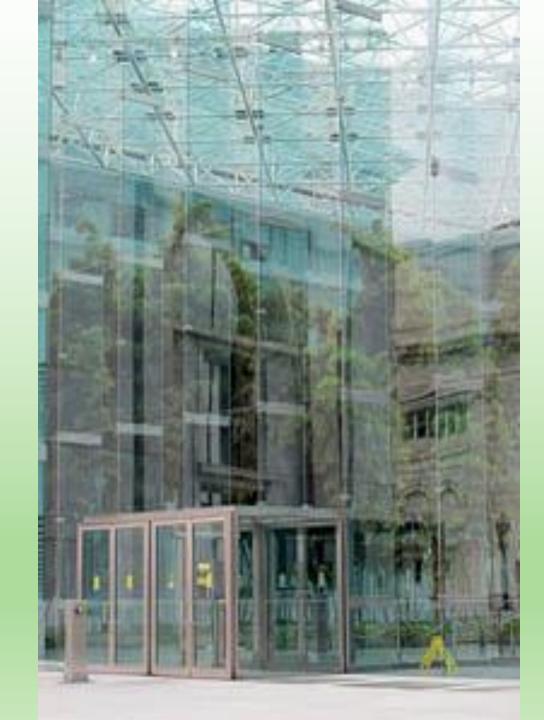














DOEE

### Biophilic DC Education Series: Learning from the Experts



Biophilic DC





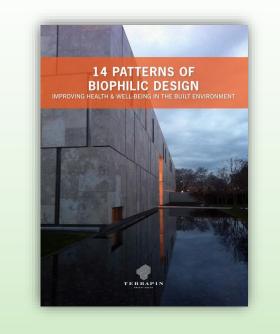


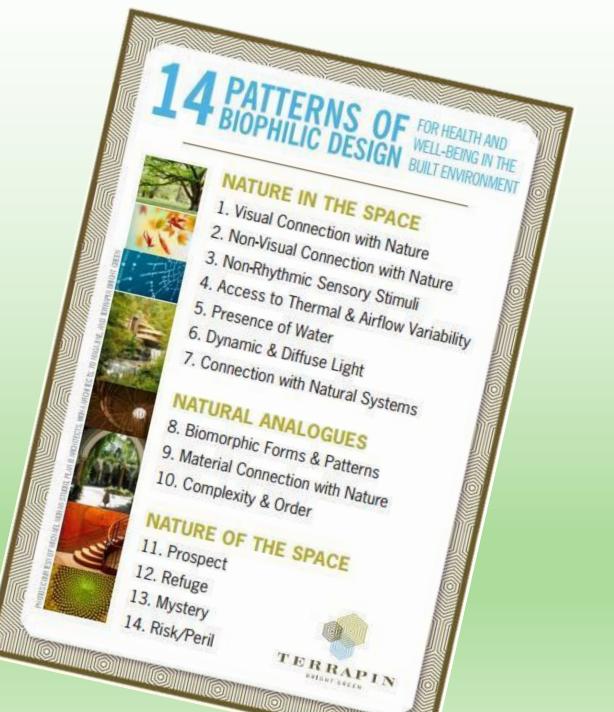
# Nature in the Heart of the City: An Introduction to Biophilic Design

Monday, Sept.19th, 2016 AIA District Architecture Center



Bill will share the science behind healthy, nature-based spaces, including some great examples and key principles for designing biophilic buildings and spaces. This will be a great foundational program.





### Learning from our Peers







# Learning from Philadelphia: Urban Habitat Mapping Charrette

Wednesday, Dec. 14<sup>th</sup> 2016 National Geographic



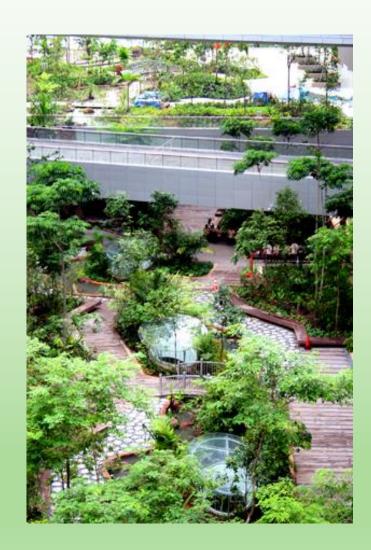
"The ultimate goal is a habitat map for the entire city, which re-imagines Philly as a place of wild nature, habitat for a multitude of species living with and among us as humans."

## Learning from St. Louis



# Learning from Singapore







Pic: tropicalenvironment.com

### Learning from Oslo



# A Functioning Ecological Network

### Components of a functioning ecological network...

- A wide vegetation corridor along major watercourses
- Several large natural areas known as core areas
- Connectivity for movement of species among the core habitat areas, either through wide, continuous corridors or a series of 'stepping stones'
- A diverse mixture of natural areas throughout the developed parts of the city that can serve as wildlife habitat or connect other, larger natural areas

Source: Forman, 1995, Land Mosaics



### Learning from Each Other





### **Regional Citizen Science Gathering**

March 15<sup>th</sup> 2017 and Oct. 11<sup>th</sup> 2017 National Geographic







**Arlington County** 





May 22<sup>nd</sup> 2017 UDC – One Year Anniversary

## Learning from Urban Environment

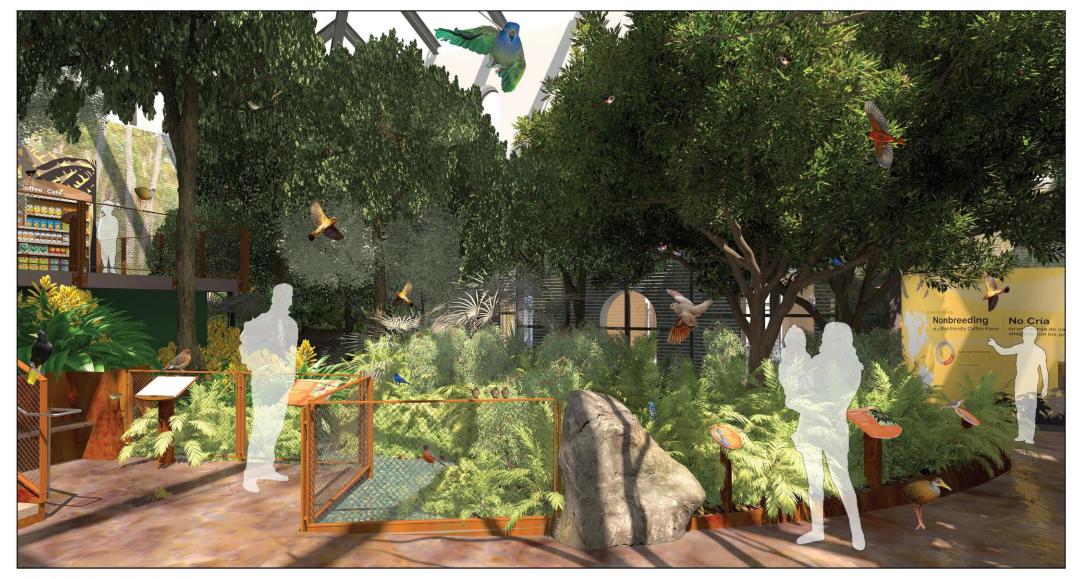






Healing garden design for Walter Reed





#### Bird Friendly Coffee Farm





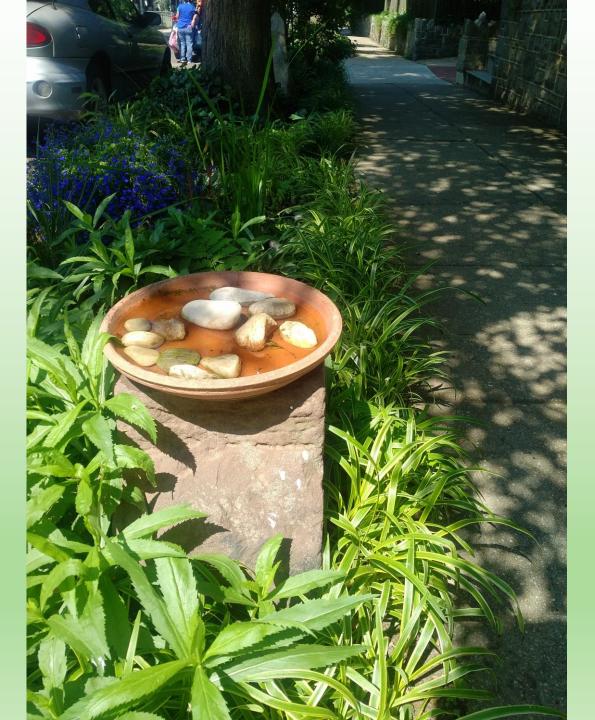














### Biophilic DC

Biophilic DC is a civic initiative that supports nature engagement and nature-based design for the wellbeing of DC's human residents—and the species we share our city with.







#lovenaturedc

Coming soon: www

Contact: biophilicdc@gmail.com