Frameworks, Values, and the Glory of Dandelions

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"It is difficult to take in all the glory of the Dandelion, as it is to take in a mountain, or a thunderstorm."

Charles Burchfield (1893–1967)



How do you take in the glory of a Dandelion?

Of a mountain?

A park?

A city?

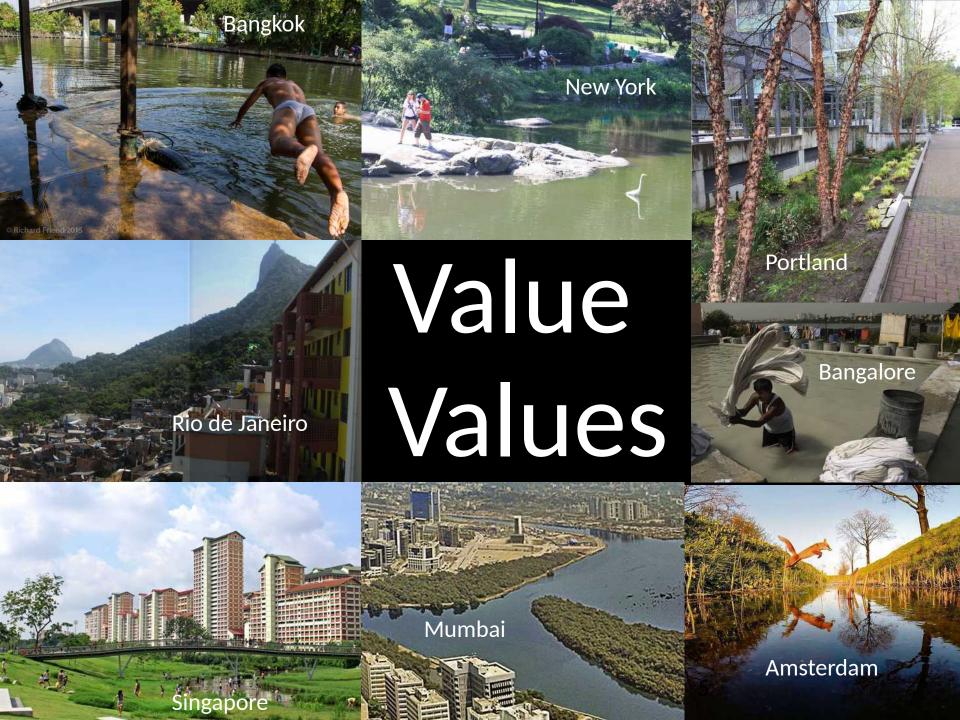
A landscape?

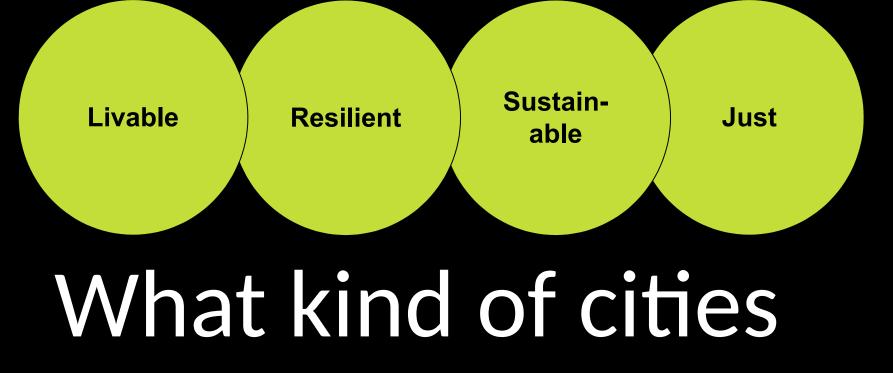
Through acts of imagination.

Whose imagination? What imagination?

- Knowledge imagination linking ideas to expression
- Science imagination connecting to policy
- Policy imagination connecting to the people's will and need
- **Design, artistic,** and **scientific** imagination that envisions new relationship to <u>Place</u>
- Imagination among the **people** about what is possible. What they deserve.

These modes of imagination can only find expression when they are more interconnected





do we want?



Metaphor



Everyone can agree that "resilience" is a good thing - but it really involves difficult choices.

- ✓ Resilience, sustainability, livability, justice *have* to be more than a metaphors
- ✓ What does "efficient" mean? "Safe"?
- ✓ Be specific. What is the action of the word?
- ✓ The application of specific responses to resilience often has winners and losers
- ✓ For whom?
- Resilience at one scale might be vulnerability at another

Just because we might share the same values, we don't necessarily share the same vocabulary

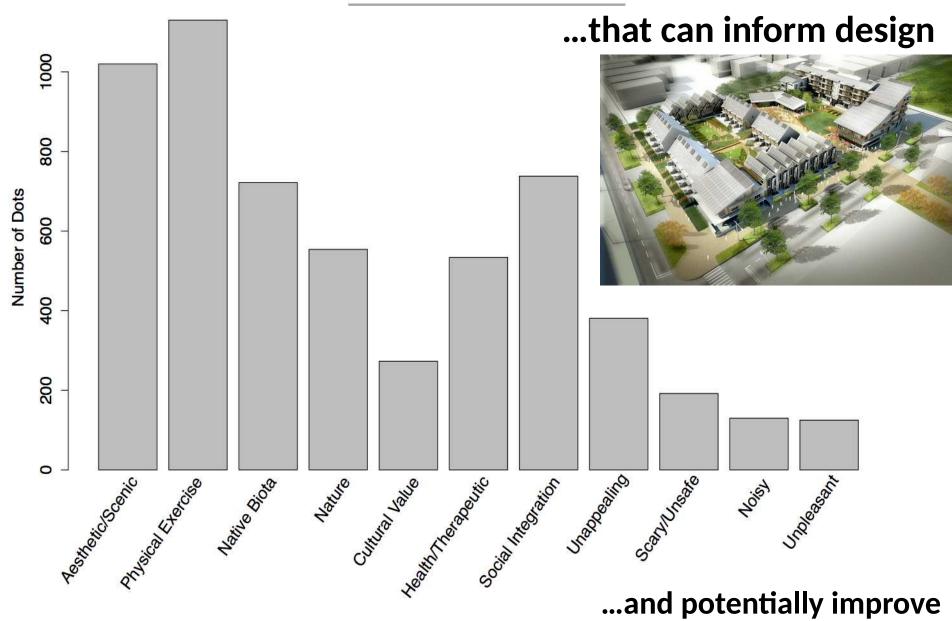
...and if we do share vocabulary, we might find we don't share the same values.

Designers (and / vs.) Ecologists

- Seems like a straightforward match, no?
- What is the *goal* of a place or design?
- Words like "wild", "natural" mean...??
- What kinds of "evidence" suffices?
- Which Values are more important?
 Yours or mine (or my client's)?



What values do people assign to parks and natural areas...



Chris Ives, Melbourne

conversations about conservation

Shared values ≠ Shared vocabulary

- ✓ We often don't mean the same thing with the same words
- ✓ We need a shared vocabulary to talk to people who may not agree with us
- ✓ Two-way conversation. It isn't just about "educating" or "disseminating". It's about engaging.
- ✓ Find a **shared vocabulary** that:
 - (1) help design spaces they want
 - (2) have conversations about *shared* values





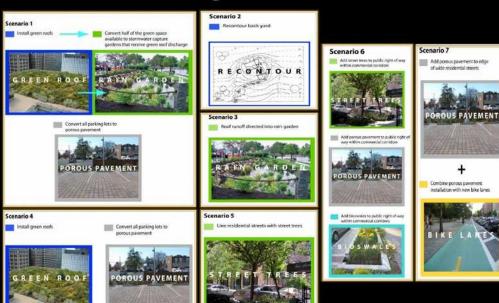


Innovate in knowledge based engagement





Step 3: Stakeholder Facilitated GI Scenario Building



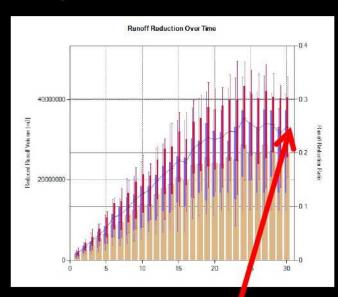
Engaging



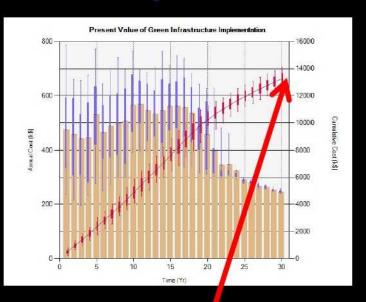
Imaginate

Step 4: Cost-effectiveness simulations

Sample results: Residential Rain Garden Program



Will have reduced runoff by about 25%



Will have spent about \$13.2 million in present dollars

Do you believe in the benefits of ecosystems and their services?



U.S. EPA's definition of "environmental justice"

Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with

respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. EPA has this goal for all communities and persons across this. It will be achieved ...

when everyone enjoys the same degree of protection from environmental and health hazards and equal

access to the decision-making process to have a healthy environment in which to live, learn, and work





A more complete definition of "environmental justice"

When everyone enjoys the same degree of protection from environmental and health hazards, the same access to the various services of the environment, and

equal access to the decision-making processes for both to have a healthy environment in which to live, learn, work, and prosper



Trees are good

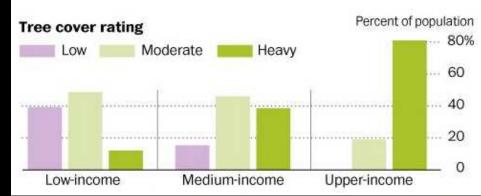
- 1. Clean Air
- 2. Jobs
- 3. Clean Water
- 4. Carbon Sequestration
- 5. Reduced Crime
- **6. Increased Property Values**
- 7. Mental Health
- 8. Temperature Control
- 9. Flood & Stormwater Control
- 10. Wildlife Habitat
- 11. Beauty
- 12. Create place & community



Washington DC

Source: Washington Post 26 April 2013 Environmentalists face challenges trying to plant in less-green

neighborhoods





Tree-cover rating:

81%

Median household income:

\$205,750



Tree-cover rating:

64%

Median household income:

\$78,523



Tree-cover rating:

48%

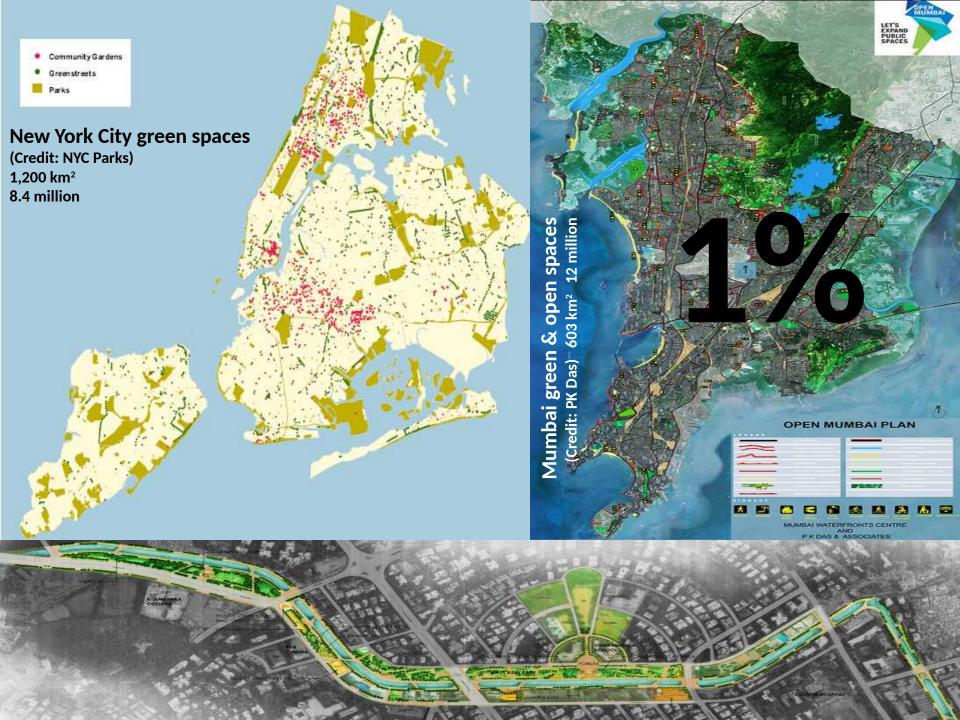
Median household income:

\$36,250



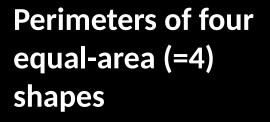
There is a crisis of open space in the world's cities





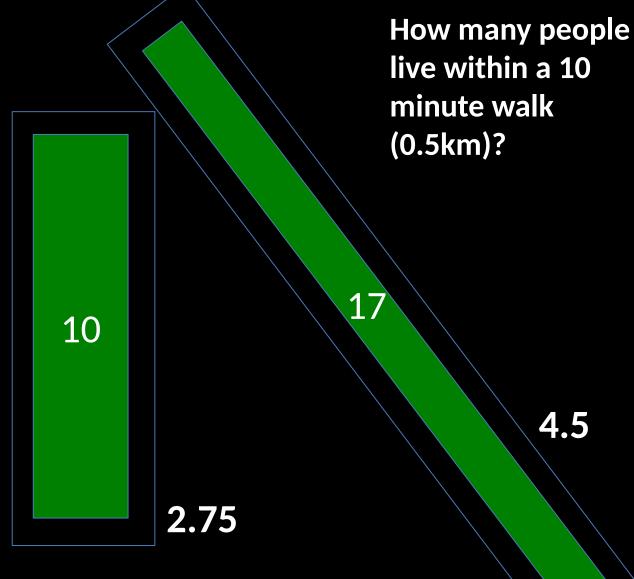


Justice Geometry



Perimeter = 8

Catchment area = 2.5



The people "catchment" area

Access: How many people live within 0.5km of a 5 x 0.5km linear park?



City	Mumbai	New York	Seoul	Rio	Bogotá	
Population (millions)	14.3	8.4	17.5	10.8	7	
Size (km²)	484	1,200	1,049	1,580	518	
Density (people/km²)	29,650	7,000	16,700	6,850	13,500	
People served by a 2.5km² linear park (5 x 0.5km) (people within 0.5km)	177,900	42,000	100,200	41,100	81,000	
To serve that many	o serve that many 12.25 km² park (3+ km per side) 1.225 hectares					

with a square park

12.25 km² park (3+ km per side) ... 1,225 nectares





Resilience

Artists

Suștainability

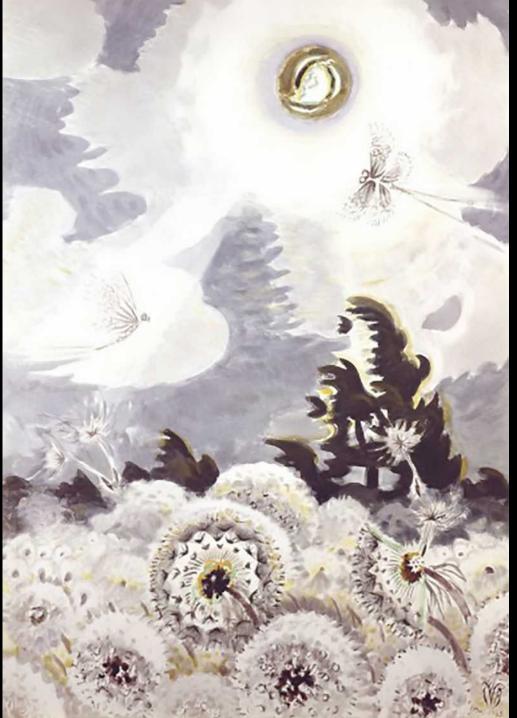


The key framework is one based on shared (or at least negotiated) values.

Our most important work is to find or create such shared values







Values

Improvisation

Intuition

Interaction

Perspective

Imagination

RAVOITION

