

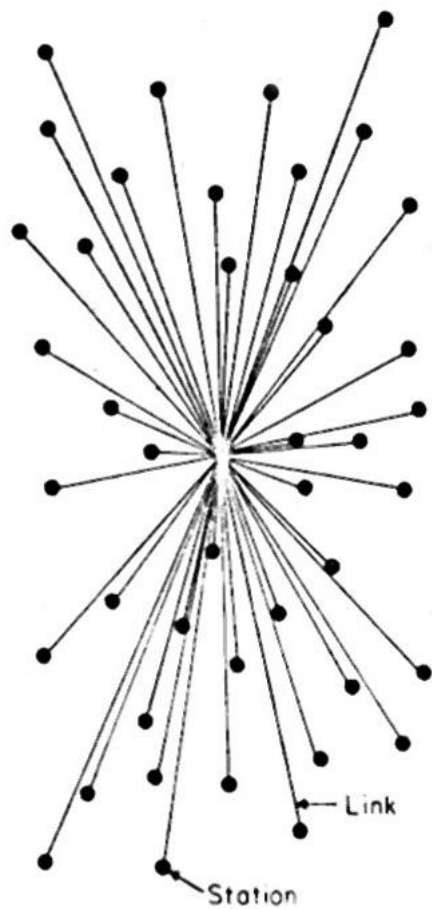
Wind Update

Beyond Static Networks
To Consider Time and Space

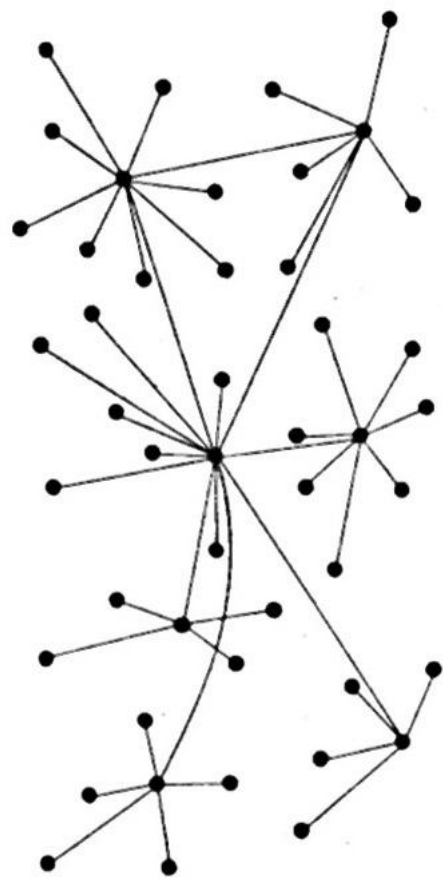
or

*Putting People Central in
Network Design and
Keeping Them In Control*

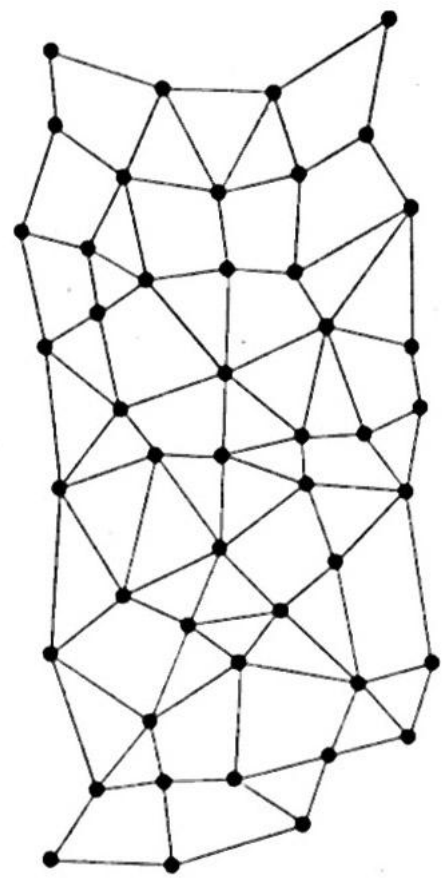
Wind is to Mesh
as the
Web is to WAN



CENTRALIZED
(A)



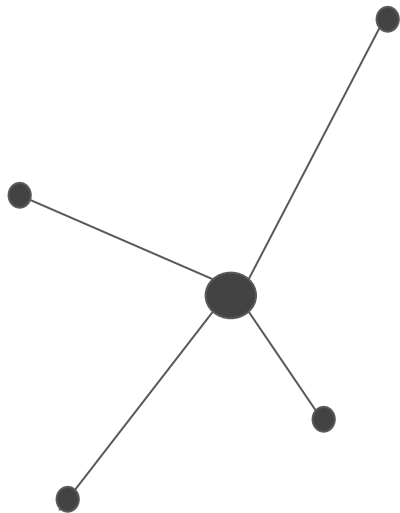
DECENTRALIZED
(B)



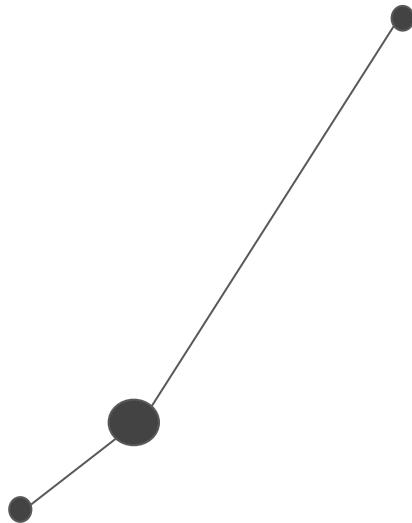
DISTRIBUTED
(C)

Paul Baran 1962

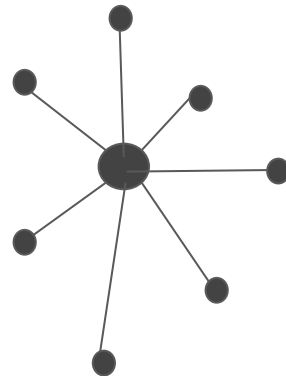
CENTRALIZED OVER TIME



Time X_0

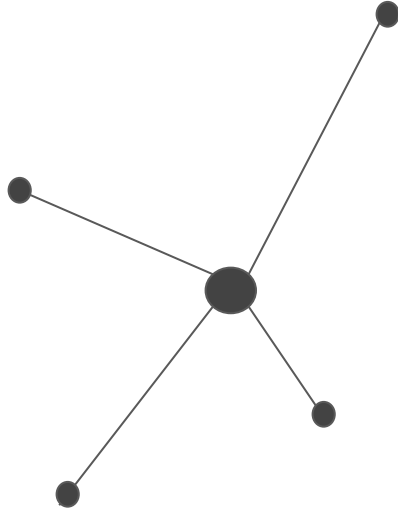


Time X_1



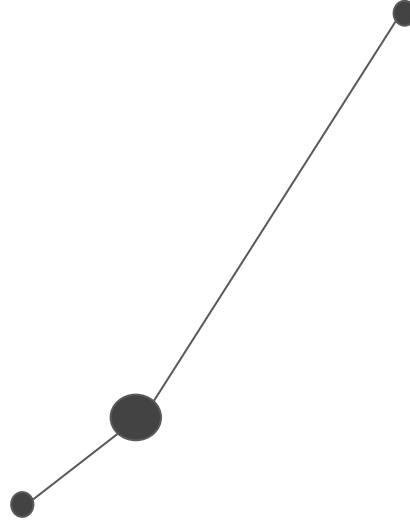
Time X_N

CENTRALIZED OVER TIME AND MOTION



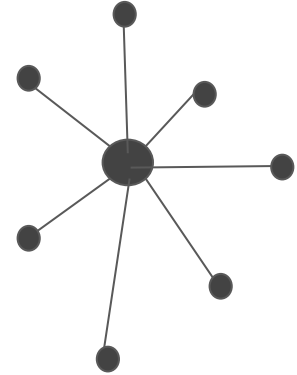
Time X_0

Place Y_0



Time X_1

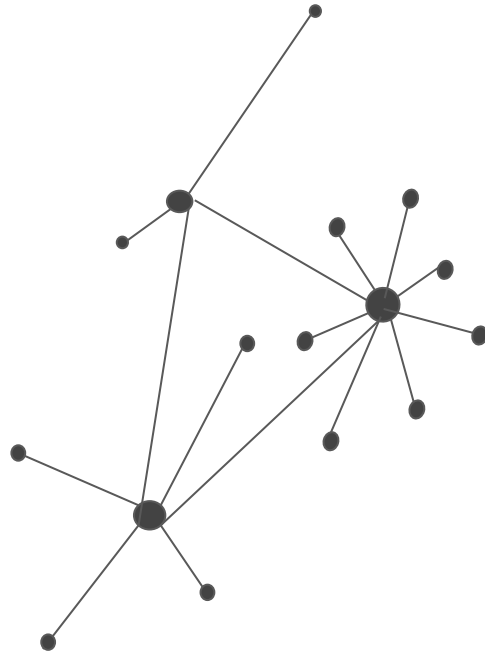
Place Y_1



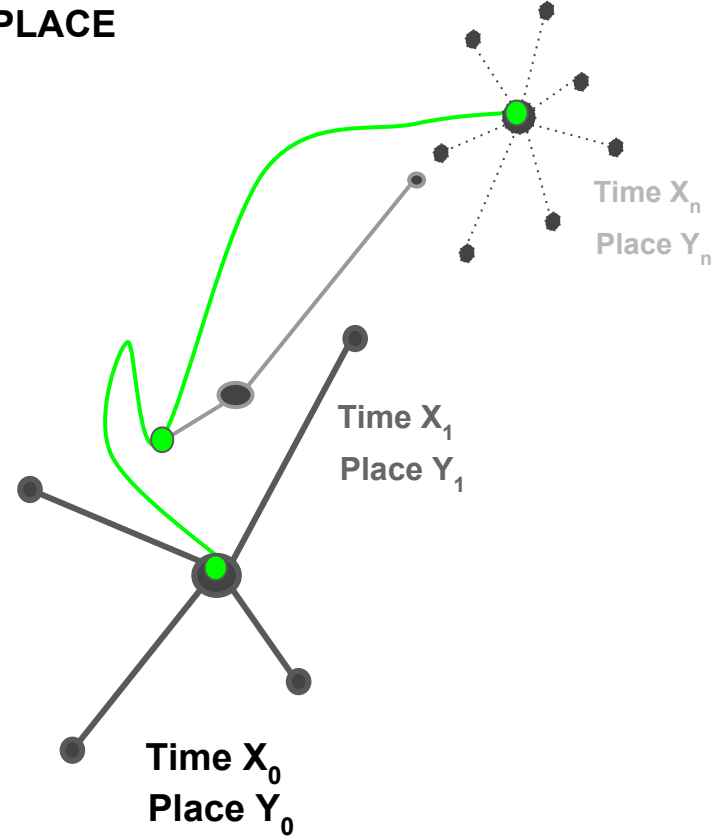
Time X_N

Place Y_N

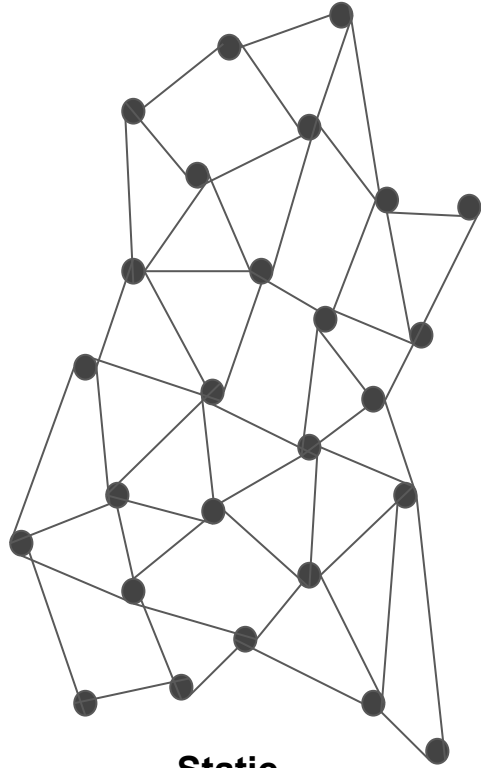
**DECENTRALIZED WITH CHANGE FROM
HUB TO SPOKE TO HUB
OVER TIME AND PLACE**



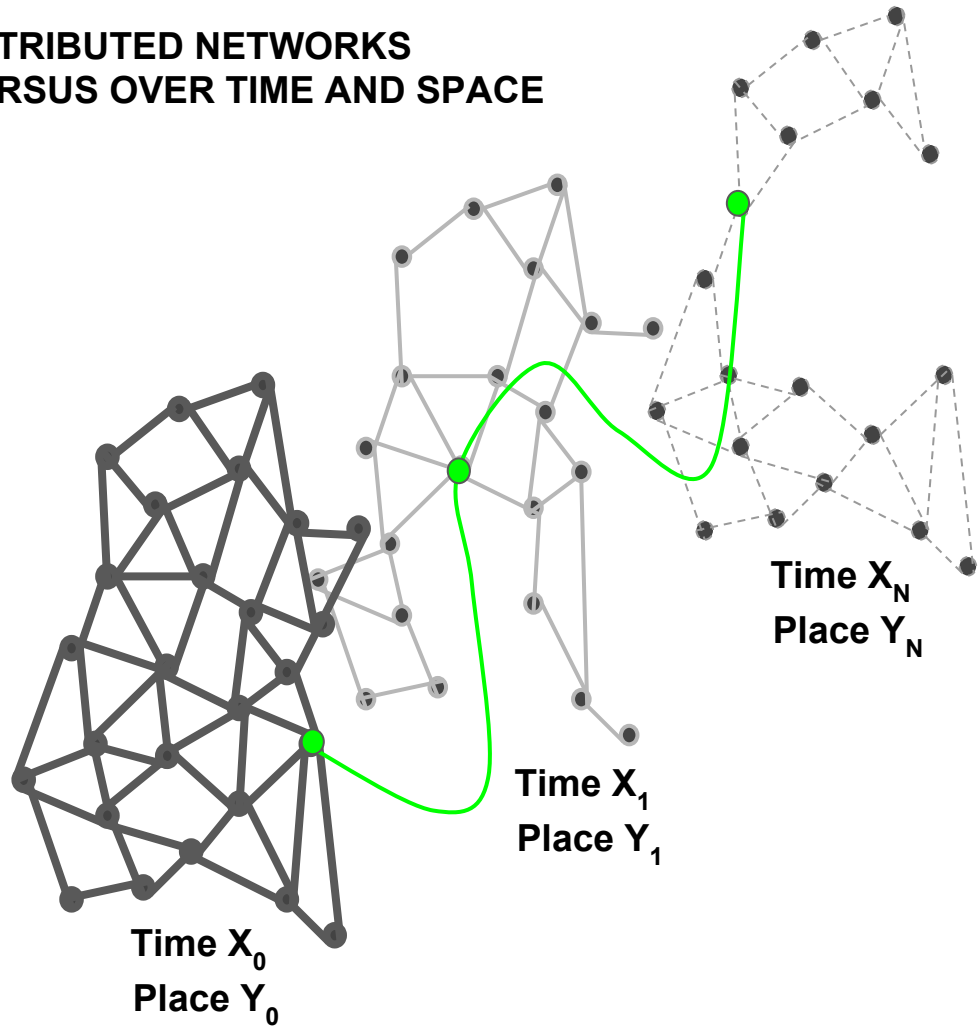
Static



DISTRIBUTED NETWORKS STATIC VERSUS OVER TIME AND SPACE



Static



Wind is a kind of network that is shaped
by the movements and interaction of
people through time and space

There is no expectation of any
centralized, static infrastructure

Wind requires no permissions by
authorities or roll out of infrastructure

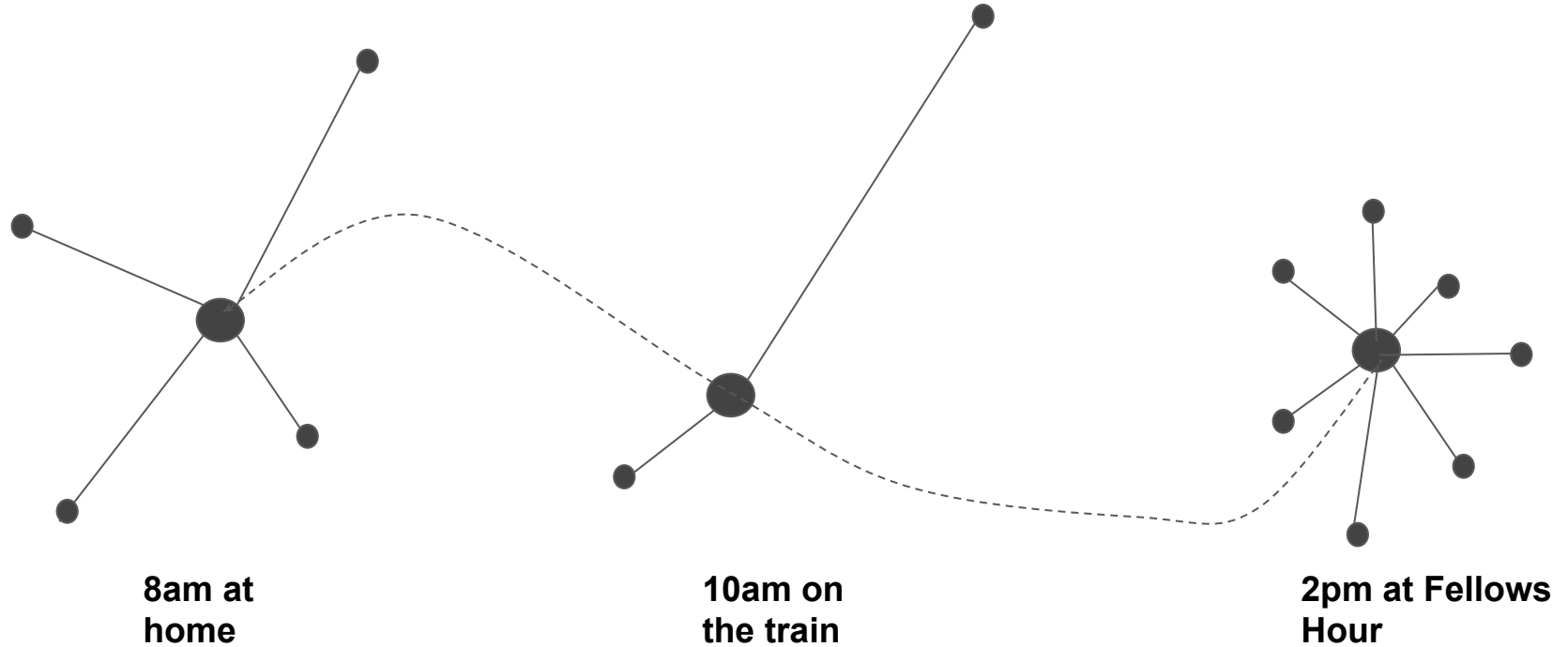
So, how could Wind work in real life?





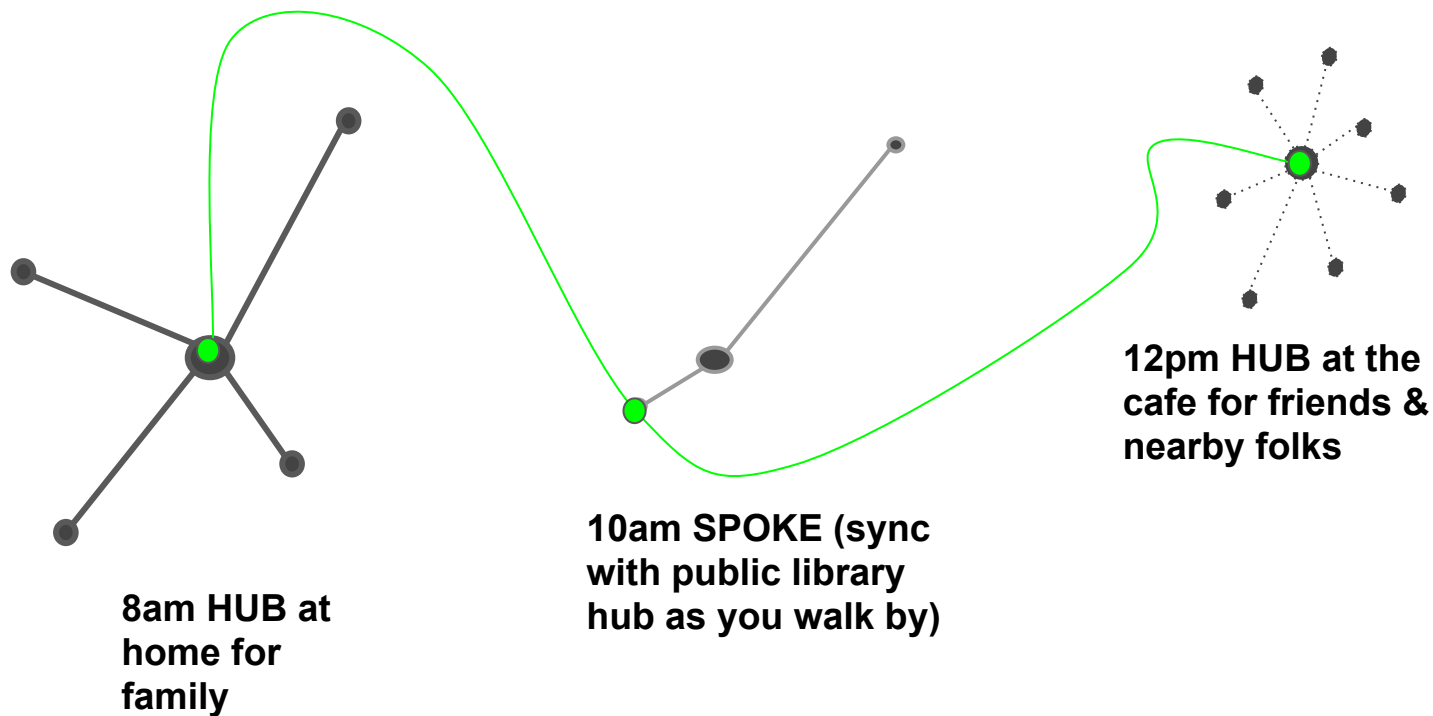
Cuba's El **Paquete** Semanal "The Weekly Package"

THE GRIFFEY-NET aka <http://librarybox.us/>

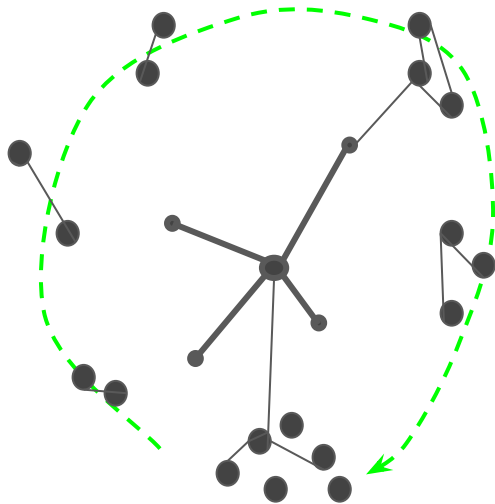


***Jason Griffey's "Library Box in the Backpack" Network
Centralized but Dynamic Over Place and Times***

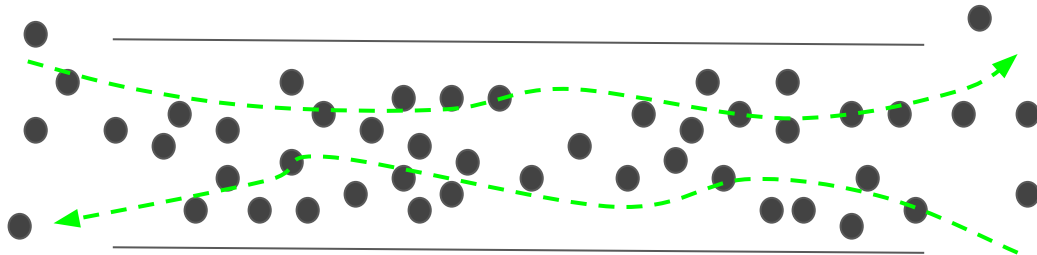
LIBRARY BOXEN CONTENT SYNCHRONIZATION



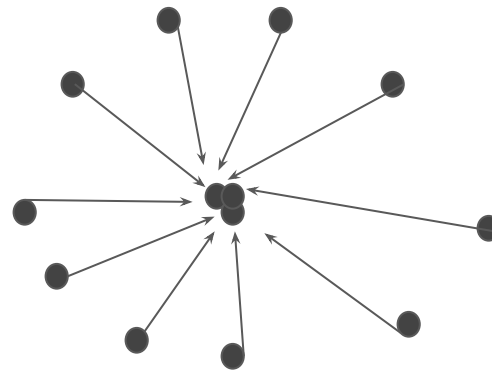
The Temple, the Causeway and the Meetup



Temple

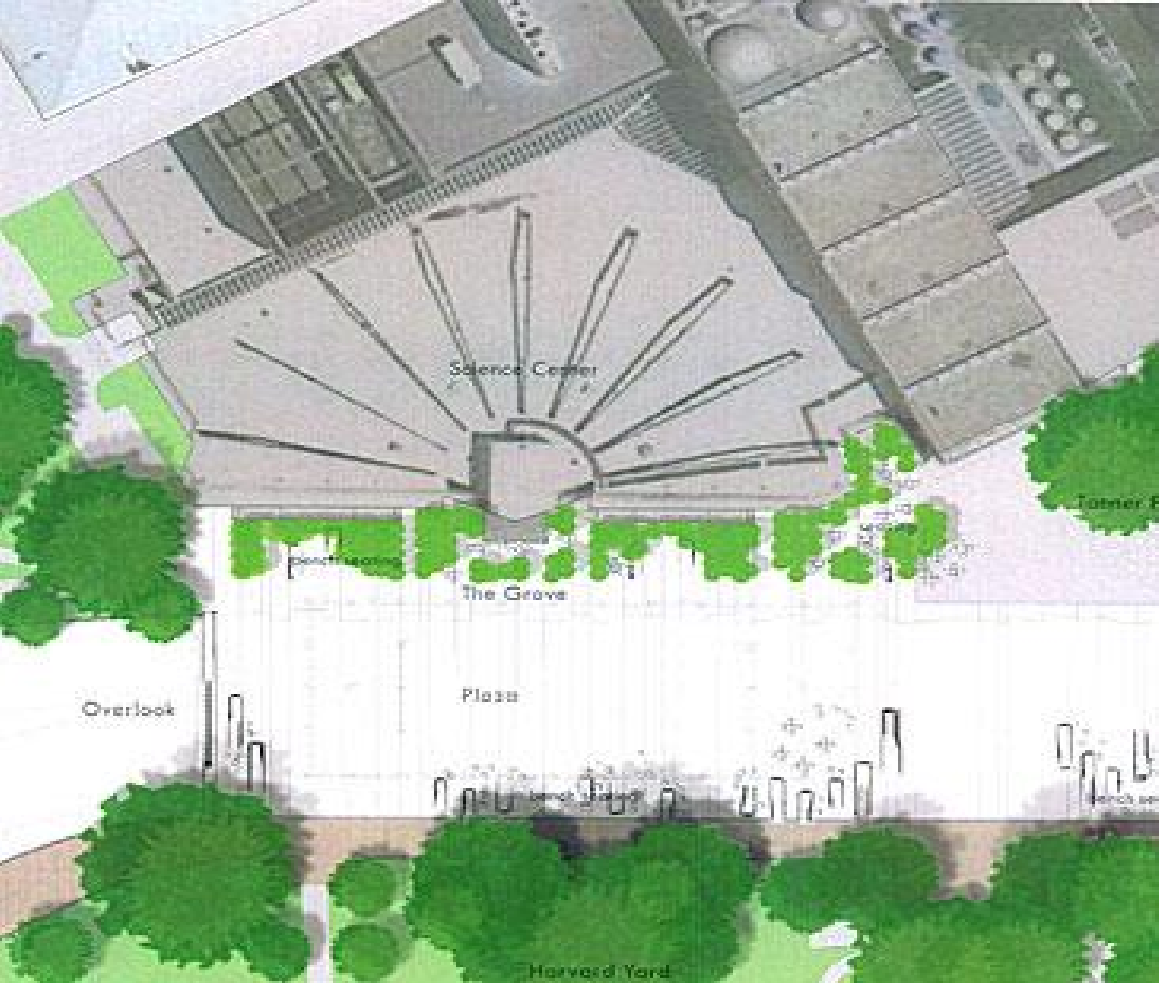


Causeway



Meetup





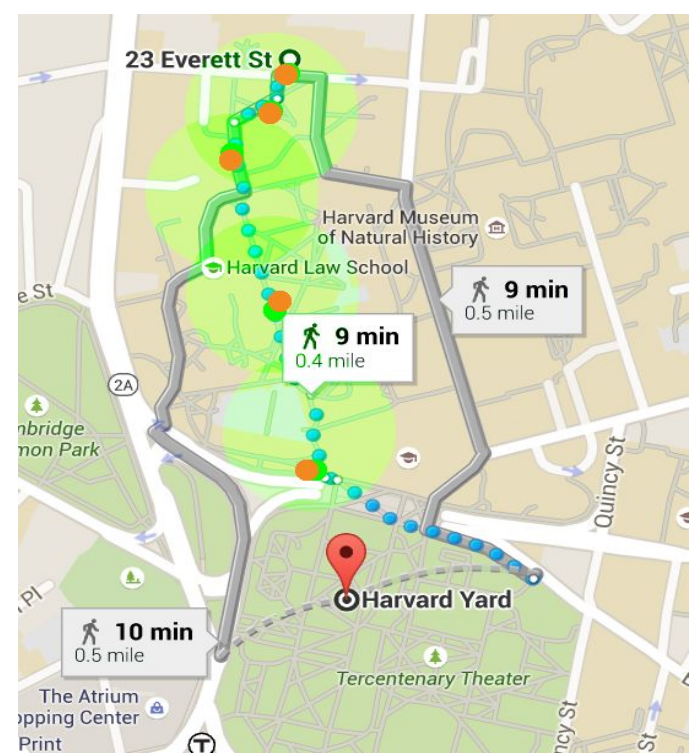
<http://news.harvard.edu/gazette/story/2012/04/renewing-a-hub-of-harvard/>



MIT Study of Airports and Infectious Disease 2012

<https://scientificearthconscientious6.wordpress.com/2012/07/24/1894new-model-of-disease-contagion-ranks-u-s-airports-in-terms-of-their-spreading-influence-airports-in-new-york-los-angeles-and-honolulu-are-judged-likeliest-to-play-a-significant-role-in-the-grow/>

The quality of a Wind network is dependent on the number of nodes connected over time and space, the density of nodes, and how their velocity and bearing is changing



Where to from here?

- Hold many, many more workshops and simulation events
- Considering the cultural, economic, gender aspects on network quality, equality, sustainability, hostility
- Begin to implement basic protocols for discovery & publishing
- Publish design documents and patterns to help tool developers consider all the things they should be considering

<https://github.com/n8fr8/windfarm> <https://github.com/n8fr8/gilgamesh>

<https://talk.developersquare.net/c/developers-corner/people-powered-nearby-networks>