PERKINS+WILL
SAFE+RESILIENT CHECKLIST

Sept . 16 . 2014

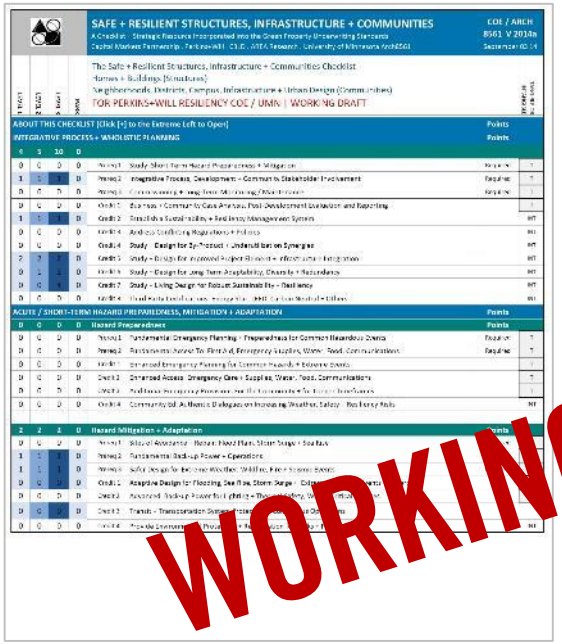
PUBLIC COMMENT MEETING | WASHINGTON DC

DOUG PIERCE AIA, LEED FELLOW, SMART AP

PERKINS+WILL
UNIVERSITY OF MINNESOTA
douglas.pierce@perkinswill.com

MTS / Perkins+Will / AREA / UMN

SAFE+RESILIENT CHECKLIST

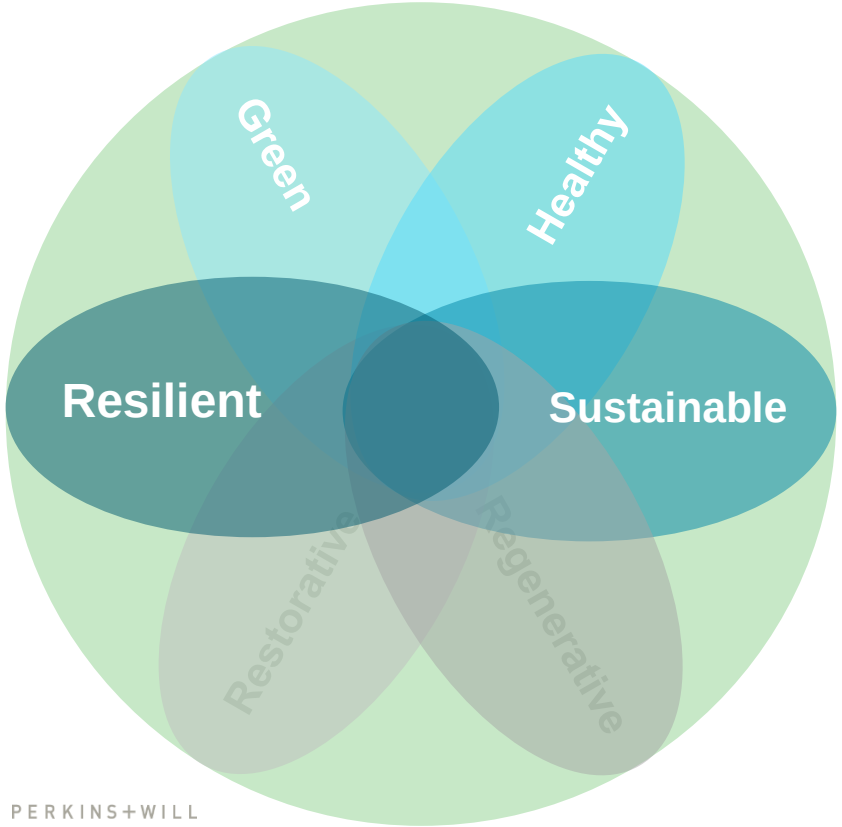


WHAT IS RESILIENT DESIGN?

Resilient Design pursues Buildings + Communities that are shock resistant, healthy, adaptable and regenerative through a combination of diversity, foresight and the capacity for self-organization and learning.

A Resilient Society can withstand shocks and rebuild itself when necessary. It requires humans to embrace their capacity to anticipate, plan and adapt for the future.

INTEGRATIVE RESILIENCE



Areas of Resilience

<Structures + Communities>

1. Engineering Resilience
2. Economic Resilience
3. Social Resilience
4. Resource Resilience
5. Ecological Resilience

RESILIENCY PRINCIPLES

Diversity
Adaptive Capacity
Nested Scales
Redundancy
Foresight
Self-Organization

A WHOLE SYSTEM:
Must Have All
Not Just 1 or 2

WHERE DOES RESILIENCY FIT?

Green
Healthy
Regenerative
Resilience
Restorative
Sustainable
<Alphabetical>

WHERE DOES RESILIENCY FIT?

Prevailing Design Lenses

<Green Building Movement>

Green
Healthy
Regenerative
Resilient
Restorative
Sustainable

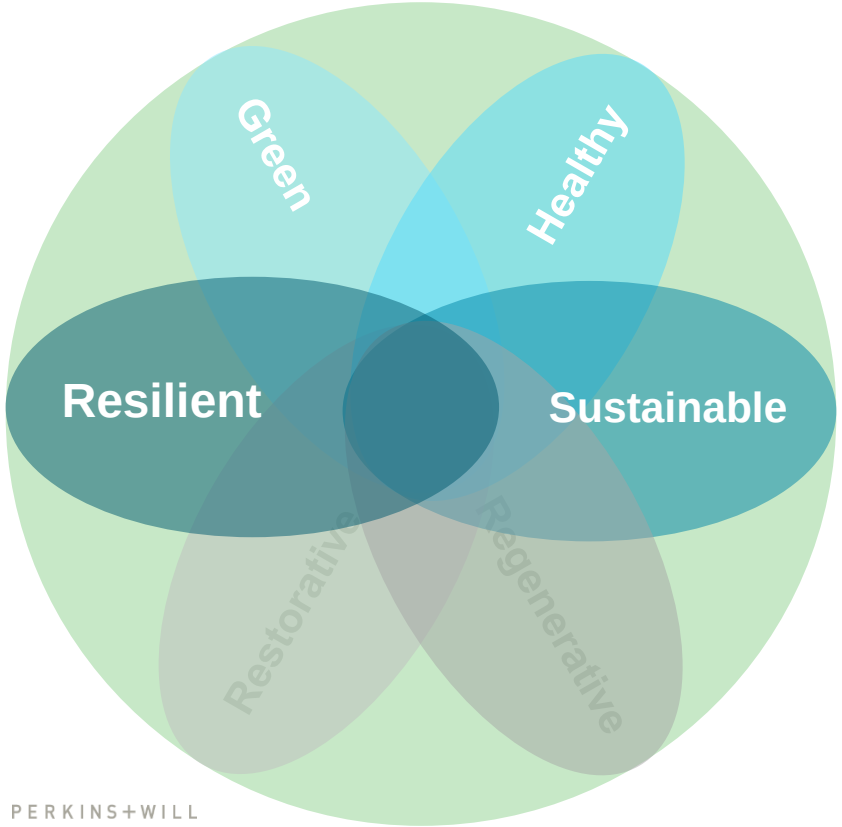
<Alphabetical>

WHERE DOES RESILIENCY FIT?

Ecological Design
<Living Design>

Green
Healthy
Regenerative
Resilient
Restorative
Sustainable
<Alphabetical>

SAFE+RESILIENT CHECKLIST



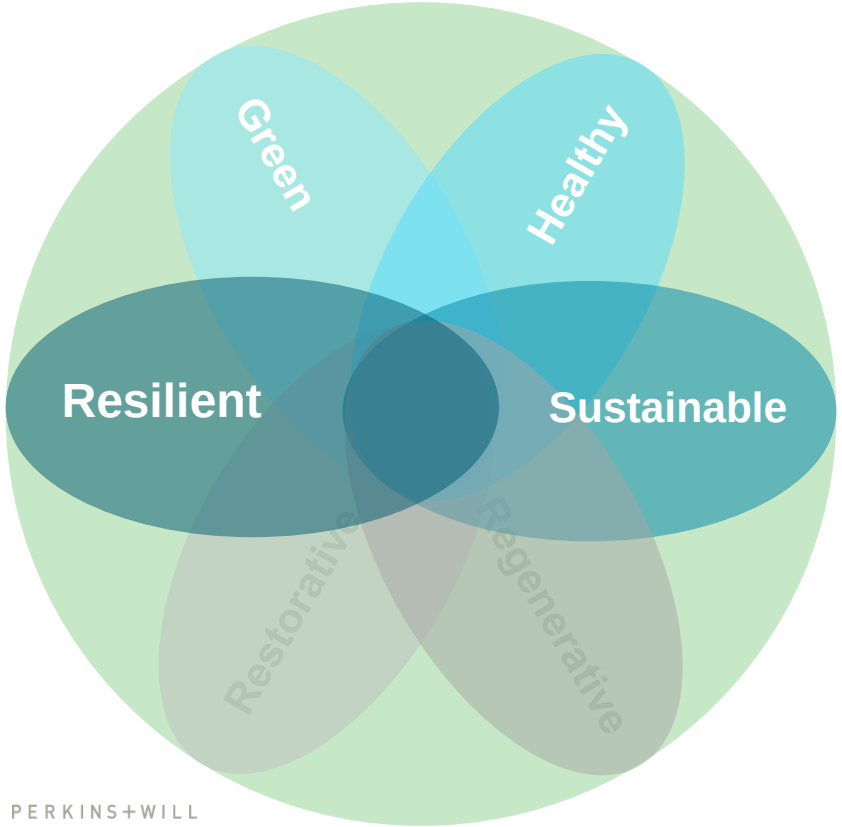
Areas of Clarity

<Current Knowledge>

Green
Healthy
Regenerative
Resilient
Restorative
Sustainable

<Alphabetical>

COMPREHENSIVE+EMERGENT



Integrative Systems
<Emergence>

Green
Healthy
Regenerative
Resilient
Restorative
Sustainable
<Alphabetical>

COMPREHENSIVE

Covers (3) Major Areas

<Operations + Design>

<Structures + Communities>

1. Integrative Process + Wholistic Planning
2. Acute / Short-Term Conditions:
   Hazard Preparedness, Mitigation + Adaptation
3. Chronic / Long-Term Conditions:
   Adaptation + Resiliency

PRIMARY AREAS COVERED

Integrative Process + Wholistic Planning

Prerequisites:

- Study Short-Term Hazards + Preparedness
- Integrative Planning Process
- Commissioning / On-Going Commissioning

Credits Covering:

- Business + Community Case / Post-Development Analysis
- Comprehensive Integrative Systems Planning

  By-Product + Infrastructure Integration
  Adaptability, Diversity + Redundancy
  Robust Sustainability + Resiliency

- Recognition of related 3rd Party Certifications

PRIMARY AREAS COVERED

Acute / Short-Term Conditions

Hazard Preparedness (Operations Focus)

Prerequisites:

- Emergency Planning for Common Hazards
  - Fire, Hazardous Materials, Technical Emergencies
  - Wildfire, Floods, Hurricanes, Tornadoes, Winter Storms, Earthquakes
- Access to: First Aid, Supplies, Water, Food, Communications

Credits Covering:

- Advanced Emergency Planning
- Advanced Access to First Aid, Supplies, Water, Food, Communications
- >

PRIMARY AREAS COVERED

Acute / Short-Term Conditions

Hazard Mitigation + Adaptation (Built Focus)

Prerequisites:

- Sites of Avoidance: Flood Plain, Storm Surge, Sea Rise
- Fundamental Back-up Power + Operations
- Fundamental Thermal Safety
- Safer Design for Extreme Weather, Wildfire, Fire + Seismic

Credits Covering:

- Advanced Adaptation
  - Safer Design: Wide Range of Disaster Scenarios
  - Back-Up Power, Thermal Safety (including passive)
    Water Service + Critical Services
  - Transit System Protection from Flooding

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Adaptation + Resiliency

- Community Social + Economic Capital
- Health, Diversity + Productivity
- Water, Energy + On-Site Food Production
- Materials + Resource Flows
- >

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Community Social + Economic Capital

Prerequisites

Improve Community Quality of Life

Credits Cover:

- Community Views + Local Landscape
- Community Connectivity:
  - Walkability, Public Transit, Non-Motorized Transit
  - Mixed-Use, Affordable Housing, Community Space
- Community Engagement
- Resilient Business Development:
  - Cooperatives, B-Corporations, Non-profits
  - Sustainable Jobs + Local Business

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Health, Diversity + Productivity

Prerequisites

- Minimum IAQ + Views to the Exterior
- Minimum Protection for Prime Habitat + Floodplain Functions

Credits Cover:

- Expanded IAQ, Daylight + Views, Fresh Air
- Active Design for Buildlings + Urban Design
- Social Equity, Interdisciplinary + Intercultural Activity
- Reduced Toxins: Buildings, Communities + Environment
- Protection of Wetlands + Fragile Landscapes
- Advancing Biodiversity, Habitat and Soil Health

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Water, Energy + On-Site Food Production

Prerequisites

- Minimum Water Efficiency
- Minimum Energy Efficiency

Credits Cover:

- Project Planning for future:
  - Rainwater Harvesting, Food Production
  - Sun + Wind Harvesting, Natural Cooling
- Advanced Water + Energy Systems
  - High Levels of Efficiency, Net Zero + Net Positive
- Edible Landscaping, Urban Ag
- Reduced Impacts: Light Pollution, Heat Island, Toxins

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Material + Resource Flows

Prerequisites

- Safer, Non-Toxic Infrastructure Materials
- Minimum Material Effectiveness + Life Cycle

Credits Cover:

- Legally Logged Wood from Ecologically Managed Forests
- Reduce Net Embodied Energy, Carbon, Water + Toxins
- Divert Waste from Landfills, Reduce Excavated Soil Transport.
- Design for Disassembly, Reuse, Recycling + Composting
- Use Recycled, Salvadged + Local Materials

PRIMARY AREAS COVERED

Innovation + Region

Innovation:
Reference Leadership Metrics and Criteria

- Consensus based with Balanced Stakeholder Group
- Represent Meaningful Advances Beyond Status Quo + BMP's
- Future development of a Pre-approved list
- Explore Authentic Innovative Technics
- Divide Into Pre-Approved List + Exploratory Measures

Region:

Include Hazards, Weather and all other Resiliency Topics based on Location.

SRC REFERENCED INDICATORS

ANSI Integrative Process Standard

Red Cross Ready Rating Program for disaster preparedness
FEMA 141 Guide: Emergency Management Guide for Business + Industry
U.S. Small Business Administration + Prepare My Business.Org

Fortified for Safer Business Standard V1.0
Urban Green Building Resiliency Task Force, June 2013 Proposals (NYC)
EPA Vulnerable Zone Indicator System + EnviroFacts
Nuclear Regulatory Commission / Academy Of Sciences

Envision Sustainable Infrastructure Rating System V2.0
Center for Active Design
Sustainable Sites Rating System V2
LEED V4 and V2009 / NC, ND + Schools
Energy Star
2030 Palette

More

PERKINS+WILL
SAFE+RESILIENT CHECKLIST

Sept . 16 . 2014

PUBLIC COMMENT MEETING | WASHINGTON DC

QUESTIONS?

Doug Pierce AIA, LEED FELLOW
douglas.pierce@perkswill.com

PRIMARY AREAS COVERED

Chronic / Long-Term Conditions

Adaptation + Resiliency

Community Social + Economic Capital
Prerequisites
Min. IAQ + Views to the Exterior
Min. Protection for

COMPREHENSIVE

Acute / Short-Term Conditions:

Hazard Preparedness, Mitigation + Adaptation

3. Chronic / Long-Term Conditions:

Adaptation + Resiliency

>

COMPREHENSIVE

Chronic / Long-Term Conditions:

Adaptation + Resiliency

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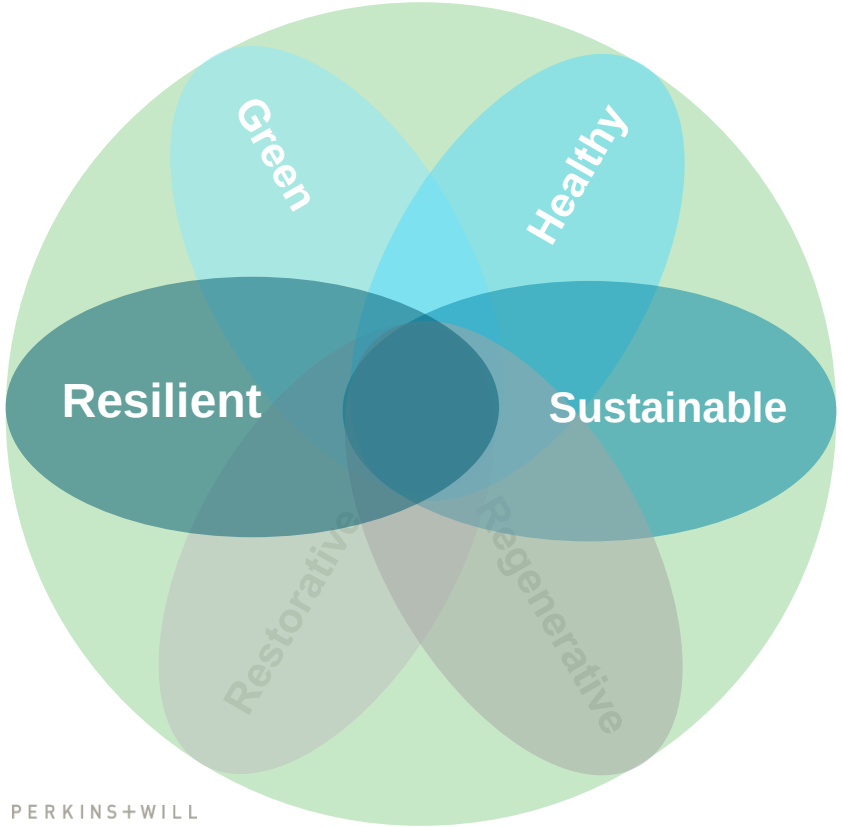
EXTERNAL REFERENCING



External Referencing

<Example: LEED>

Light Pollution: IES TM-15-11, Addendum A
Green Vehicles: (ACEEE) annual vehicle rating guide
Energy: ASHRAE/IESNA Standard 90.1
Green Power: Green-e Climate certified
Wood Products: FSC Certified Forest Products
Product Emissions: (CDPH) Standard Method v1.1

Many More

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COMPREHENSIVE+EMBRACIVE

Referenced Systems
<Inclusive>

Green
Healthy
Regenerative
Resilient
Restorative
Sustainable
<Alphabetical>

Alphabetical

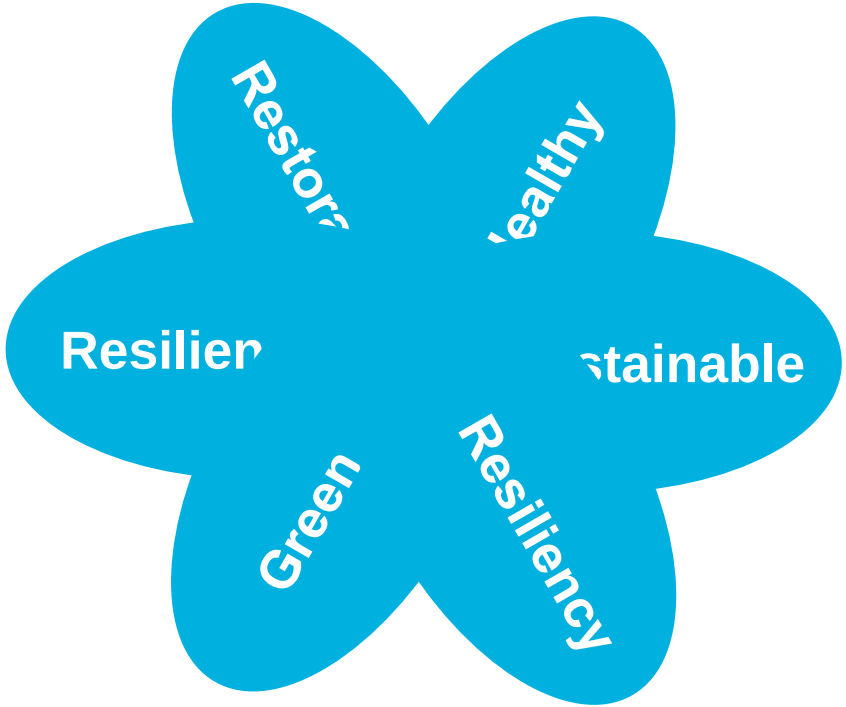
Healthy

WHERE DOES RESILIENCY FIT?

Regenerative
Restorative
Sustainable
Green
Status Quo

Resiliency

WHERE DOES RESILIENCY FIT?



R

Resiliency
Sustainable
Restorative
Regenerative
Green
Healthy

WHERE DOES RESILIENCY FIT?

All: Ecological Paradigm
Each is a Different Lens + Focus
Each Needs Each Other

Regenerative Restorative Sustainable Green Resilient

WHERE DOES RESILIENCY FIT?

Regenerative
Resiliency
Restorative
Sustainable
Green
Status Quo

Within the Defined Practice Hierarchy

Status Quo

WHAT IS RESILIENCY?

Engineering Resiliency:

Redundancy / Flexibility
Durability
Hardening / Fortification

Ecological Resiliency:

“the capacity of a system to absorb disturbance and reorganize while undergoing change so as to still retain essentially the same function, structure, identity, and feedbacks”

“Capacity of an ecosystem to tolerate disturbance without collapsing into a qualitatively different state

withstand shocks and rebuild itself when necessary.

WHAT IS RESILIENCY DESIGN?

Resilient Design pursues Buildings + Communities that are shock resistant, healthy, adaptable and regenerative through a combination of diversity, foresight and the capacity for self-organization and learning.

A Resilient Society can withstand shocks and rebuild itself when necessary. It requires humans to embrace their capacity to anticipate, plan and adapt for the future.

RESILIENT DESIGN ESSENTIALS

Diversity
Adaptive Capacity
Nested Scales
Redundancy
Foresight

A WHOLE SYSTEM: Must Have All; Not Just 1 or 2

RESILIENT DESIGN ESSENTIALS

Diversity
Adaptive Capacity
Nested Scales
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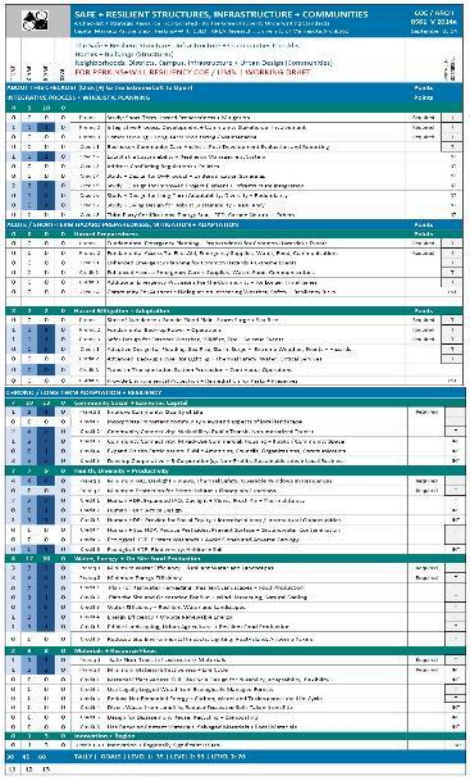
Foresight

Safe+Resilient Checklist:

Actionable ‘Sphere of Influence’ for Design

SAFE+RESILIENT CHECKLIST



Integrative Process + Wholistic Planning

Prerequisites:

- Short-Term Hazard Preparedness + Mitigation Study
- Integrative Design Process
- Advanced Commissioning + On-Going Commissioning

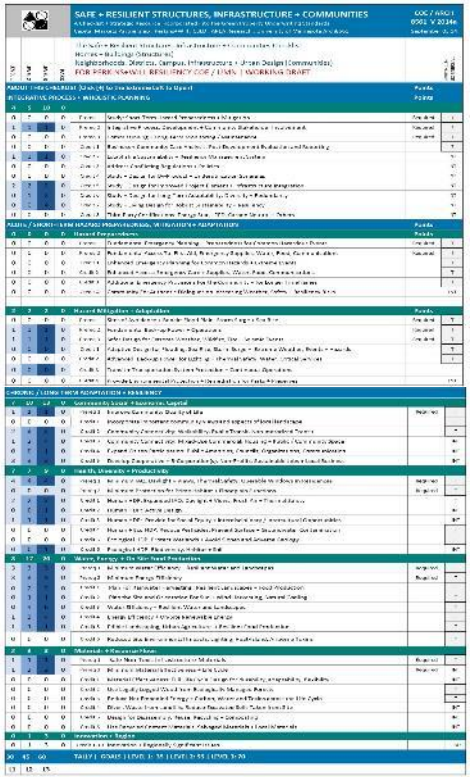
Notable References:

- ANSI Integrative Process Standard 2.0
- Envision Sustainable Infrastructure V2.0

Notes of Interest:

- Credit for the Business Case
- Expansive Documentation of Integrative Design Synergies

SAFE+RESILIENT CHECKLIST



Acute/ Short-Term Hazard Preparedness (Operations)

Prerequisites:

- Fundamental Hazard Preparedness – Common Hazards
- Fundamental Access to First Aid, Emergency Supplies, Water, Food + Communications

Notable References:

- Red Cross Ready Rating / FEMA Ready Business
- EPA (for Hazardous Sites)

Notes of Interest:

- 96 Hours Fundamental Emergency Preparedness
- Hospital Provide Liveable temperatures in Blackout

SAFE+RESILIENT CHECKLIST

CATEGORIES + SUB-CATEGORIES

1. Integrative Process + Wholistic Planning

2. Acute/ Short-Term Hazard Preparedness, Mitigation + Adaptation

- Hazard Preparedness
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3. Chronic/ Long Term Adaptation + Resiliency

- Community Social + Economic Capital
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PUBLIC COMMENTS + BALLOT

SCHEDULE

Public Comments Round #1:

Due 09.08.2014

Public Meeting: 09.16.2014

Perkins+Will D.C. Office

Public Comments Round #2:

Due 10.16.2014

Public Comments Round #3(?)

Public Ballet | Date: TBD

Anyone Can Vote

All Negatives Must Be Resolved

WHAT IS RESILIENCY?

Regenerative
Resiliency
Restorative
Sustainable
Green
Status Quo

Within the Defined Practice Hierarchy

PERKINS+WILL
RESILENT DESIGN

May 21 . 2014

BIOMIMICRY + DESIGN METHOD

2009
2006

Sustainable Design Theory + Practice
University of Minnesota, School of Architecture
Minneapolis College of Art + Design Online
Masters in Sustainable Design

MTS Integrative Process Standard

Perkins+Will Regenerative Design Effort

Resilient Design

PERKINS+WILL
NEXT GENERATION DESIGN

May 21 . 2014

2006

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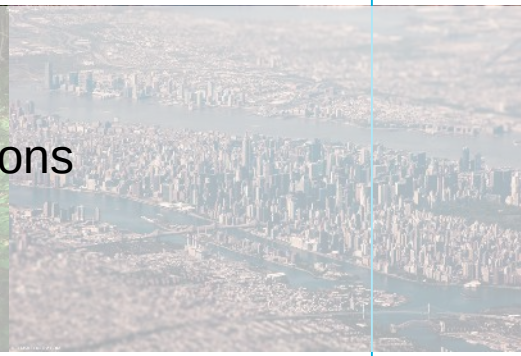
MTS Integrative Process Standard

Start Where You Are.

Zen | Buddhist Proverb

WHERE ARE WE?
NEXT GENERATION DESIGN

May 21 . 2014



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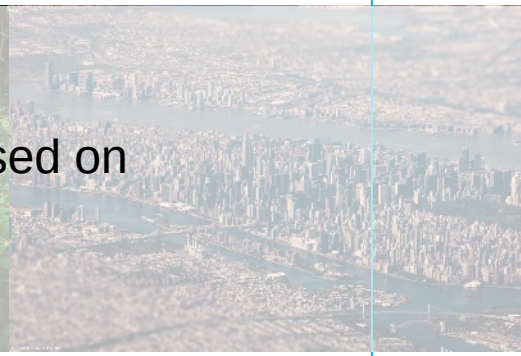

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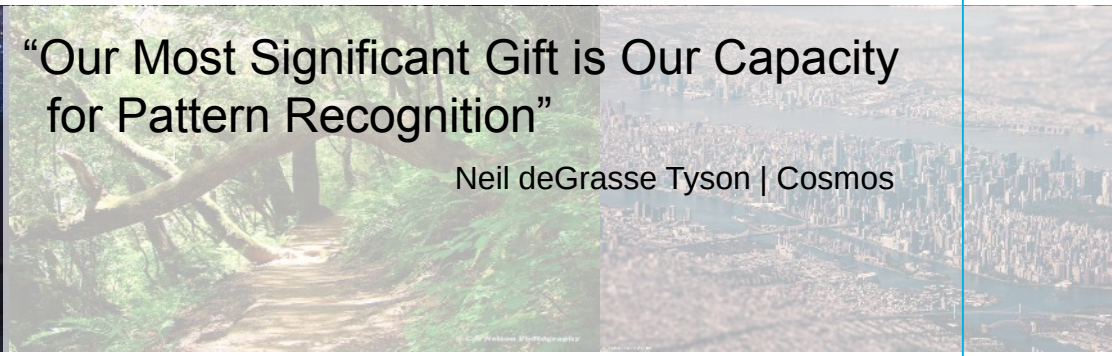
PATTERN THINKING
NEXT GENERATION DESIGN

May 21 . 2014



"Our Most Significant Gift is Our Capacity for Pattern Recognition"

Neil deGrasse Tyson | Cosmos

50,000 B.C. — Conscious Thought + Deliberate Creativity

10,000 B.C. — Agriculture + Urbanization

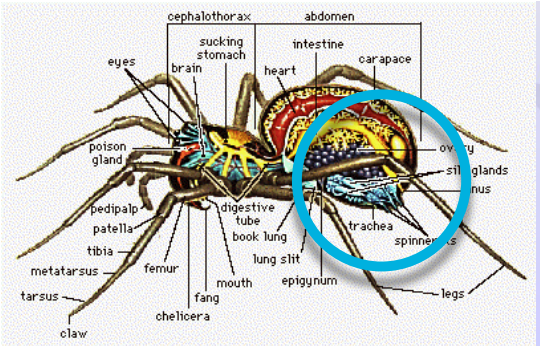
1,000 A.D. — Machine Age First Mechanical Clock

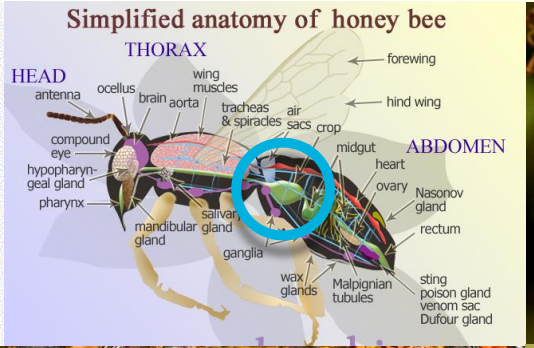
1750 — Industrial Revolution

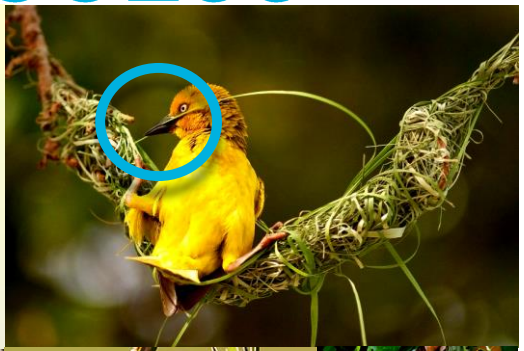
16 — Anthropocene Epoch 2016

29 — Carbon Cut-off Date: 2029

ON-BOARD TOOLS + NATURAL KEYS TO SUCCESS







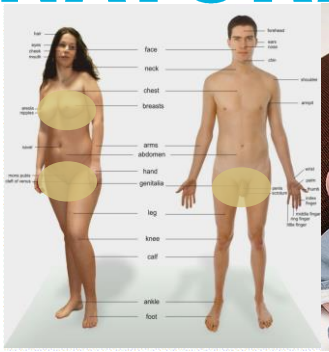
Adapted from *Animal Architects* | Gould & Gould

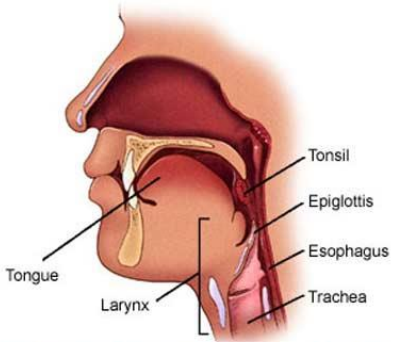
Orb Weaver Drag Line: Stronger than Steel + is made in different types.

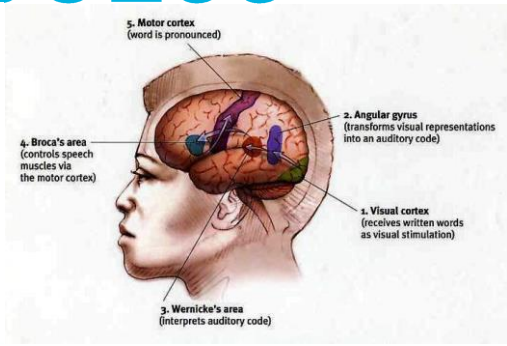
Honey Bees: Visit About 4 million flowers to make One Kilogram of Honey.

Weaver Bird Sews it's nest together using its beck and claws.

ON-BOARD TOOLS +
NATURAL KEYS TO SUCCESS







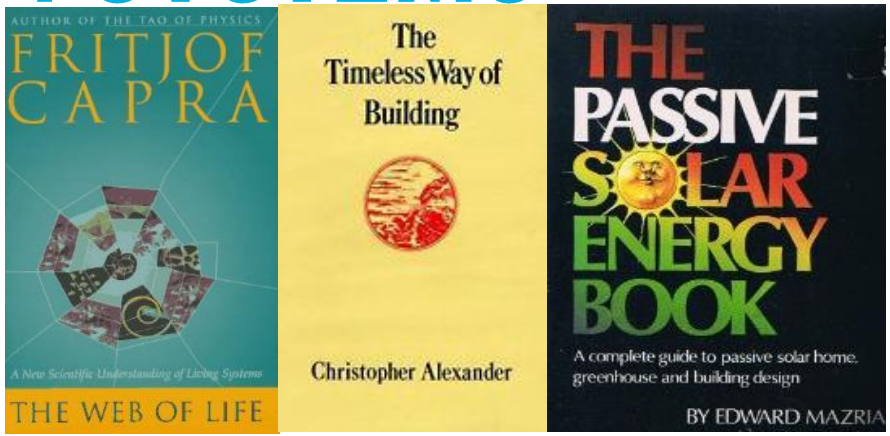
Language + Speech:

Humans Inherent the Aptitude to Learn + Create Language (Unlike, Math)
All consonants recognized by babies…but they can be lost
FOXP2: First Gene linked with human language (2003)

Pattern Recognition:

Basis of human intelligence. Now becoming the basis for Artificial Intelligence.

PATTERN THINKING
+SYSTEMS



F. CAPRA
Living Systems are comprised of:

Pattern: Organization of Essential Relationships
Structure: Physical Embodiment of the Pattern
Process: Continual Embodiment of the Pattern

C. ALEXANDER
From The Timeless Way of Building:

"The use of Pattern...is a fundamental fact of human nature, as fundamental as the fact of speech"

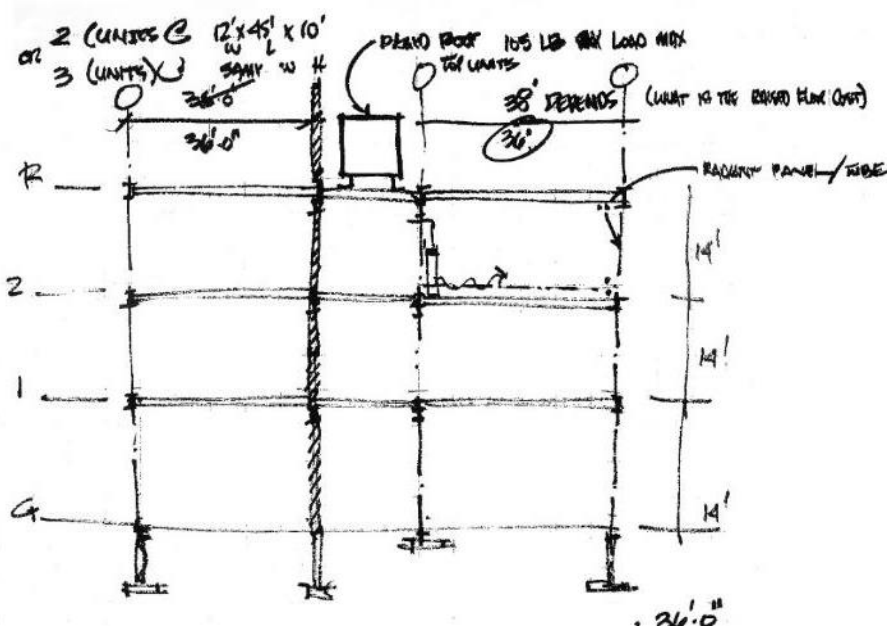
E. MAZRIA
1980: 25-30 Patterns in the original Handbook
2013: 2030 Pallette: Patterns are Called “Swatchs”

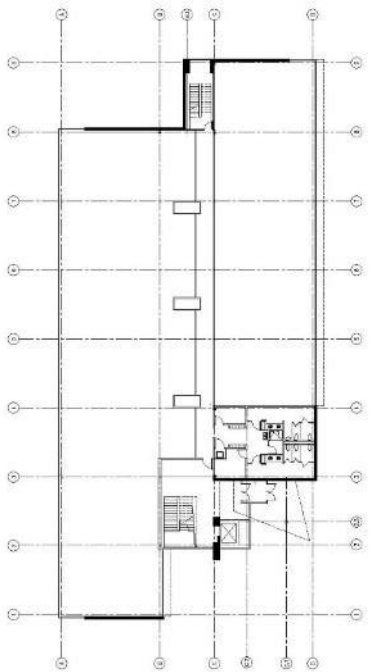
PATTERNS
TIME.SCHEDULE + I-INNOVATION

"At the Moment a person is faced with the act of design, he / she…has to act fast…and the only way of acting fast is to rely on the various rules of thumb which she has accumulated"

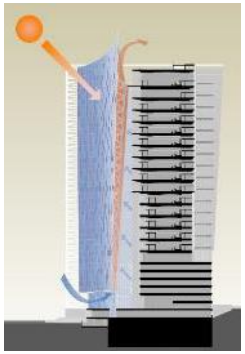
C. Alexander The Timeless Way of Building

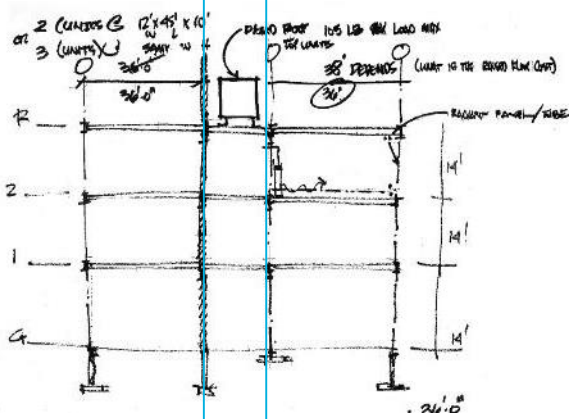
PATTERN USE EXAMPLE
TIME . SCHEDULE + INNVOVATION

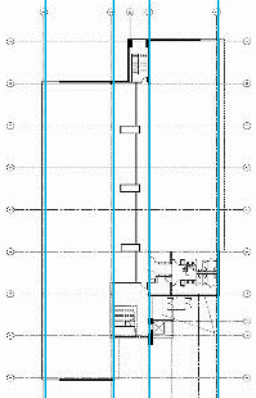




American Lung



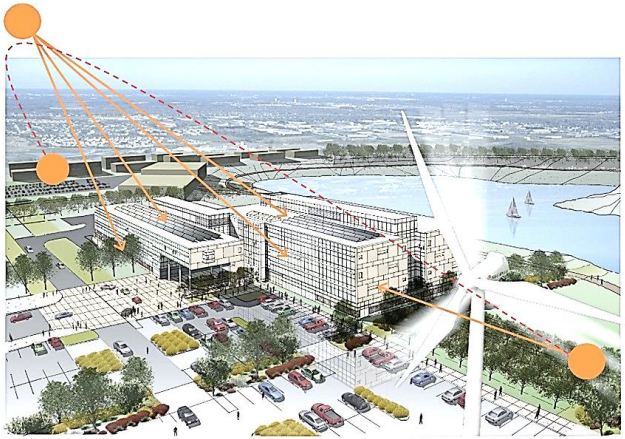




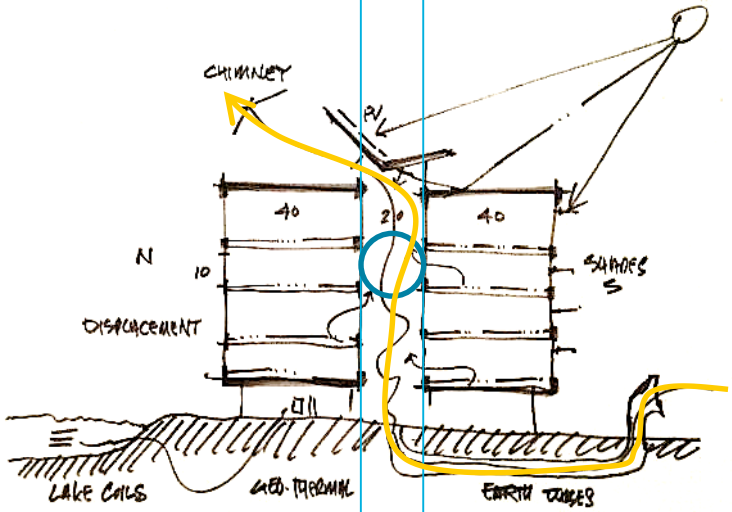
THERMAL CHIMNEYS

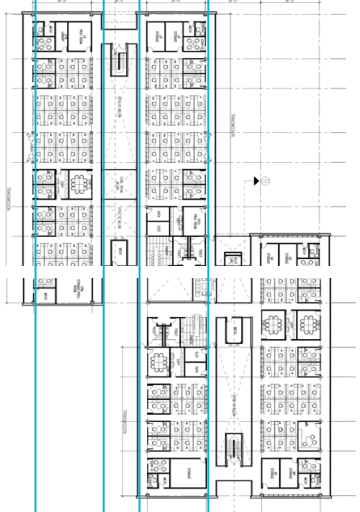
AMERICAN LUNG

GREAT RIVER ENERGY



PERKINS+WILL





GRE
MOZAIC

PATTERN THINKING
INCREMENTAL RAPID DEVELOPMENT
INTENTIONAL PATTERN CAPTURE + USE

Leverage What We Do Really Well Naturally And:

Make it Deliberate

Make it Conscious

MORE PATTERNS =
INCREASED CREATIVITY POTENTIAL
INCREASED PERFORMANCE POTENTIAL

The More Patterns you have Available in Your Language,
the Greater your Creative Potential.

The More Patterns You Can *Effectively* Nest Together,
the Higher the Performance Potential

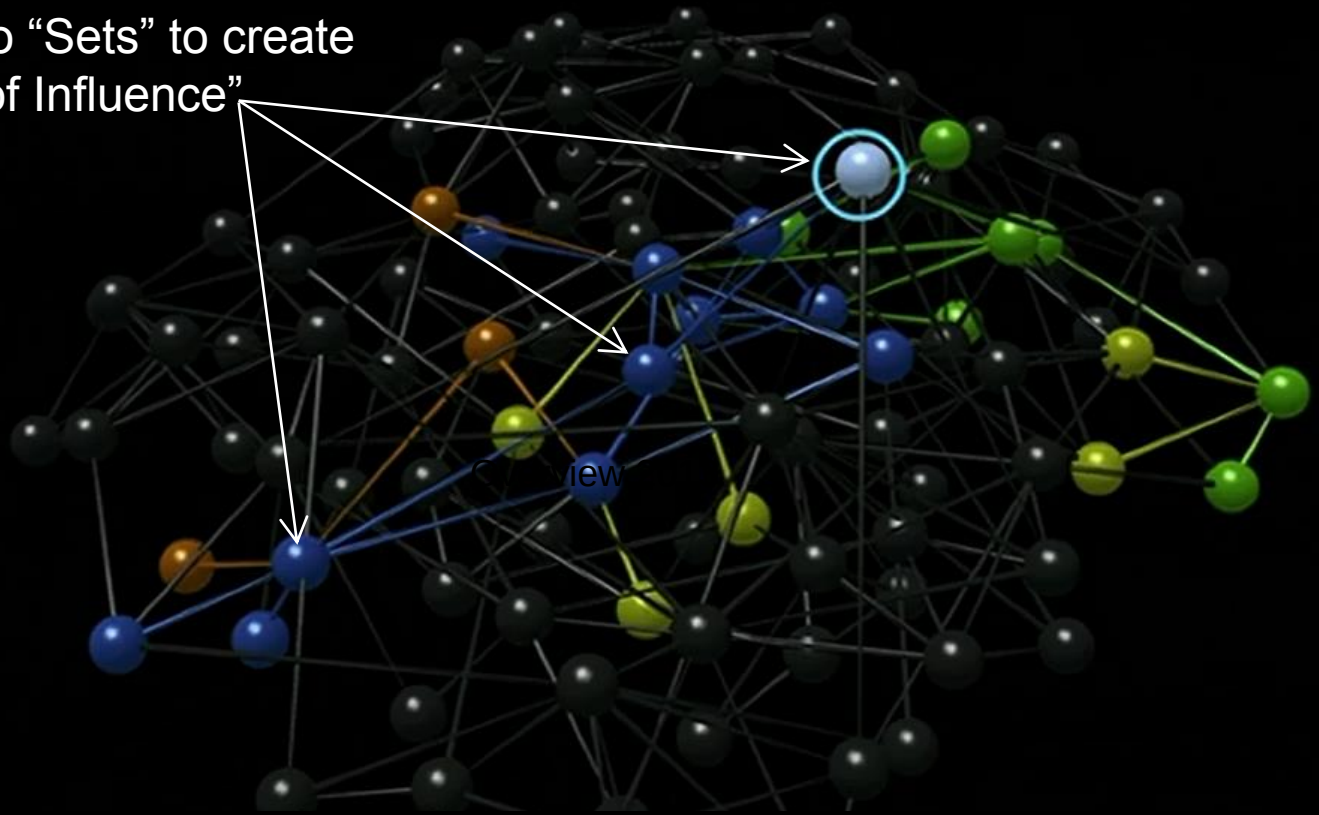
PATTERNS THINKING
+ COMPLEXITY

"The More Life-Giving Patterns there are in a building the more beautiful it becomes"

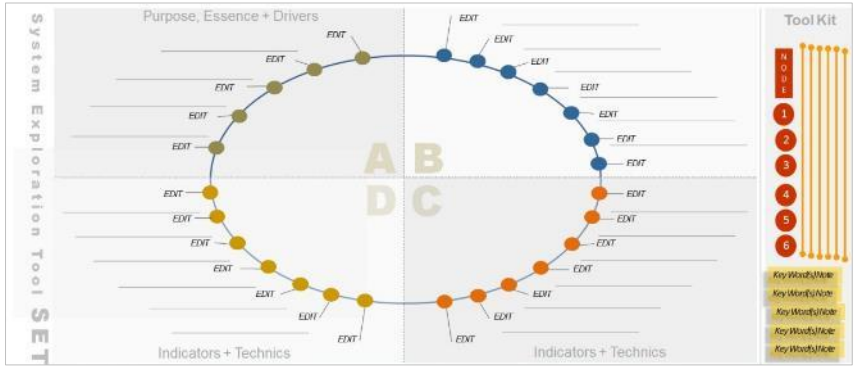
“The quality without a name appears, not when an isolated pattern lives, but when an entire system of patterns, interdependent at many levels <are nested together>

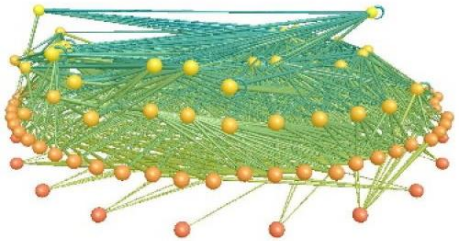
C. Alexander | The Timeless Way of Building

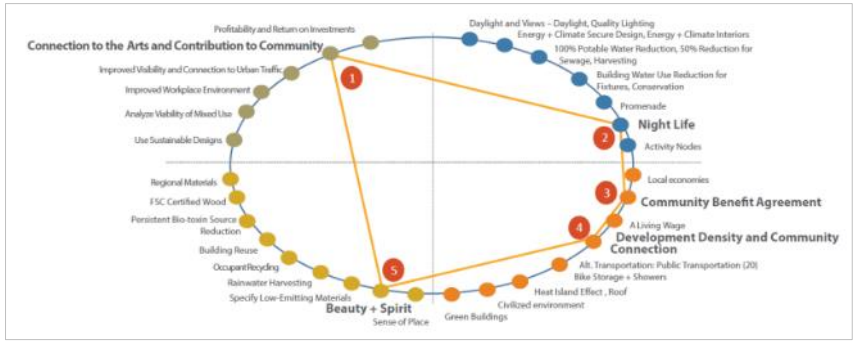
Individual Patterns
Nested into “Sets” to create
“Spheres of Influence”

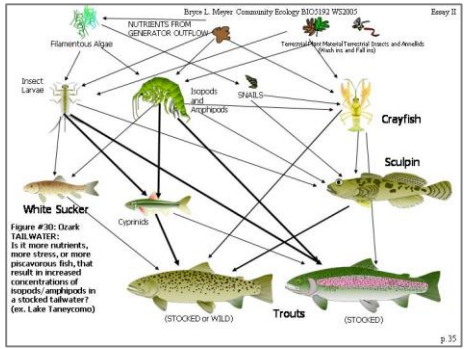


PATTERN THINKING
SPHERES OF INFLUENCE + NESTING









MORE PATTERNS =
INCREASED CREATIVITY POTENTIAL
INCREASED PERFORMANCE POTENTIAL

"Patterns do not come only from the work of Architects or Planners,
they come from the work of thousands of different people"

C. Alexander | The Timeless Way of Building

C3 Living Design Project | AIA MN COTE

The Living Vision + About C3LD | The Living Library + Patterns

CREATING
CONNECTING
CURATING
The Patterns of Life

#C3LD

The C3 Living Design Project

C3LD uses Pattern Thinking to celebrate the new story of life being written + created by the planet wide socio-ecology movement.

Finding a Signal in the Noise

We're working daily to find the authentic design signal that inspires regenerative potential within our regions, communities, places + products.

Taming Design Complexity w/ Biomimicry + Pattern Making

This fast paced, 3+ minute video quickly defines the how-to of managing connections....More>

LIVING INFORMATION STREAM

Whether you Tweet or Not this Stream's for You. #C3LD includes Tweets by C3 Living Design + Others. Click the embedded Link(s) 4 more info. For More @C3LivingDesign Tweets CLICK HERE

#C3LD

Doug Pierce @C3LMngDesign 6h
#Toxin #Health | Scientists Find that Nanoparticles in Clothing Toys + Cosmetics May Damage DNA
ow.ly/wbpIr #C3LD #ppSo3
Show Summary

Doug Pierce @C3LMngDesign 17 May
#Climate | NASA Video: 21 X 12 Mile 275 SF Iceberg B-31 breaks away from Antarctic on Nov, 2013 |
ow.ly/wbnXe #C3LD #lpNo3

Tweet #C3LD

LIVING EVENTS STREAM

The Living Events Stream provides information + links to local, national and international events. Click the links embedded in the Tweets below for more information about the events.

#LivingEventC3

Doug Pierce @C3LMngDesign 20 Apr
Event | AIA MN COTE Meeting: May 15, 2014 (7:45 to 9:15 AM) 275 Market St. Suite 54 Minneapolis Map:
ow.ly/vYgot | #LivingEventC3

Doug Pierce @C3LMngDesign 20 Apr
Living Event | Minneapolis-St. Paul LBC Collaborative Event: April 30th, 5 to 8 PM | More Info: ow.ly/vYeyh
#LivingEventC3

Tweet #LivingEventC3

SUSTAINABLE DESIGN STREAM

The Sustainable Design Stream searches Twitter for Tweets with the #SustainableDesign hashtag. There's lots of useful information here even though the stream is very commercial.

#SustainableDesign

APCSE @apcse 43m
From astrophysicists to teachers every business needs to use #sustainabledesign to lower/deselect waste in the future theguardian.com/sustainable-bu...
Show Summary

1.618 Paris @1618Paris 10h
Those of you fond of #chess and #sustainabledesign, you are going to love this! Introducing #ZWEIG by @BYAM_Paris bit.ly/1sVrLY8

Tweet #SustainableDesign

COLLEGE OF DESIGN
UNIVERSITY OF MINNESOTA

C3 Living Design Project | AIA MN COTE

The Living Vision + About C3LD | The Living Library + Patterns

CREATING
CONNECTING
CURATING
The Patterns of Life

#C3LD

ERIC BERLOW
SIMPLIFYING COMPLEXITY
TED

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#Toxin #Health | Scientists Find that Nanoparticles in Clothing Toys + Cosmetics May Damage DNA ow.ly/wbpir #C3LD #ppSo3
Show Summary

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COLLEGE OF DESIGN
UNIVERSITY OF MINNESOTA

C3 Living Design Project | AIA MN COTE

The Living Vision + About C3LD | The Living Library + Patterns

Patterns | Categorized

You are here: Home / Patterns | Categorized

The Library Categorized

Click on any + to open up a Library Category.

Library Legend and Reference Guide

C3LD	C3 Living Design	ILFI	International Living Futures Institute	PL	Pattern Language
Cr	Credit	M	Measurable Pattern	Q	Qualitative Pattern
LBC	Living Building Challenge	NC	New Construction and Major Renovations	PR	Prerequisite
LEED	Leadership in Energy & Environmental Design	ND	Neighborhood Development	RP	Reliable Prosperity
				2030	2030 Palette

Meta + Wholistic | Society + Equity | Nature + Environment | Capital + Economy

Patterns

- 01 | DESIGN + THINKING | DT
- 02 | LIFE + PLANET | LP
- 03 | REGION + BIOREGION | RT
- 04 | COMMUNITY + WATERSHED | CW
- 05 | NEIGHBORHOOD + SITE | NS
- 06 | ORGANIZATION + FACILITY | OF
- 07 | PEOPLE* + PRODUCTS | PP
- 08 | PLANTS + WATER | PW
- 09 | MATTER + ENERGY | ME

Reference Materials

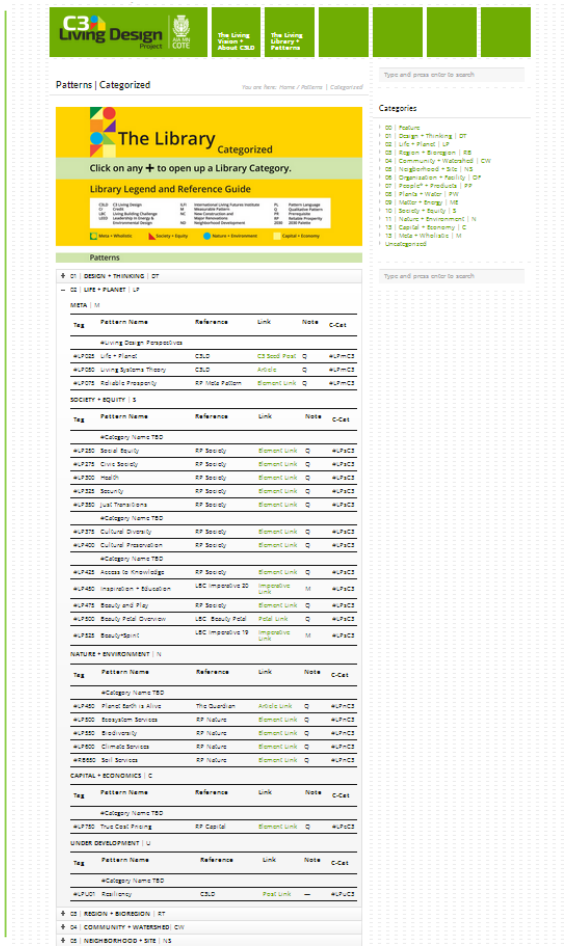
- 10 | OVERLAY | SOCIETY + EQUITY | S
- 11 | OVERLAY | NATURE + ENVIRONMENT | N
- 12 | OVERLAY | CAPITAL + ECONOMICS | C
- 13 | OVERLAY | META | M

Type and press enter to search

Categories

- 00 | Feature
- 01 | Design + Thinking | DT
- 02 | Life + Planet | LP
- 03 | Region + Bioregion | RB
- 04 | Community + Watershed | CW
- 05 | Neigborhood + Site | NS
- 06 | Organization + Facility | OF
- 07 | People* + Products | PP
- 08 | Plants + Water | PW
- 09 | Matter + Energy | ME
- 10 | Society + Equity | S
- 11 | Nature + Environment | N
- 13 | Capital + Economy | C
- 13 | Meta + Wholistic | M
- Uncategorized

Type and press enter to search



C3 Living Design Project | AIA MN COTE | The Living Vision + About CILD | The Living Library + Patterns

Twitter Streams

Streams

01 | DESIGN + THINKING | DT

- #DesignThinking

- #CollaborativeThinking
- #IntegrativeThinking

Streams

01 | DESIGN + THINKING | DT

- #DesignThinking
- #CollaborativeThinking
- #IntegrativeThinking
- #IntegratedDesign
- #PatternLanguage

02 | LIFE + PLANET | LP

- #Anthropocene
- #RachelCarson
- #Ecology
- #DeepEcology
- #CollaborativeEconomy

03 | REGION + BIOREGION | RT

- #SmartGrowth
- #RegionalPlanning
- #Bioregional

04 | COMMUNITY + WATERSHED | CW

- #ResilientCities
- #LivingCities
- #EcoDistrict
- #AlternativeTransportation

05 | NEIGBORHOOD + SITE | NS

- #Placemaking
- #CompleteStreets
- #JaneJacobs

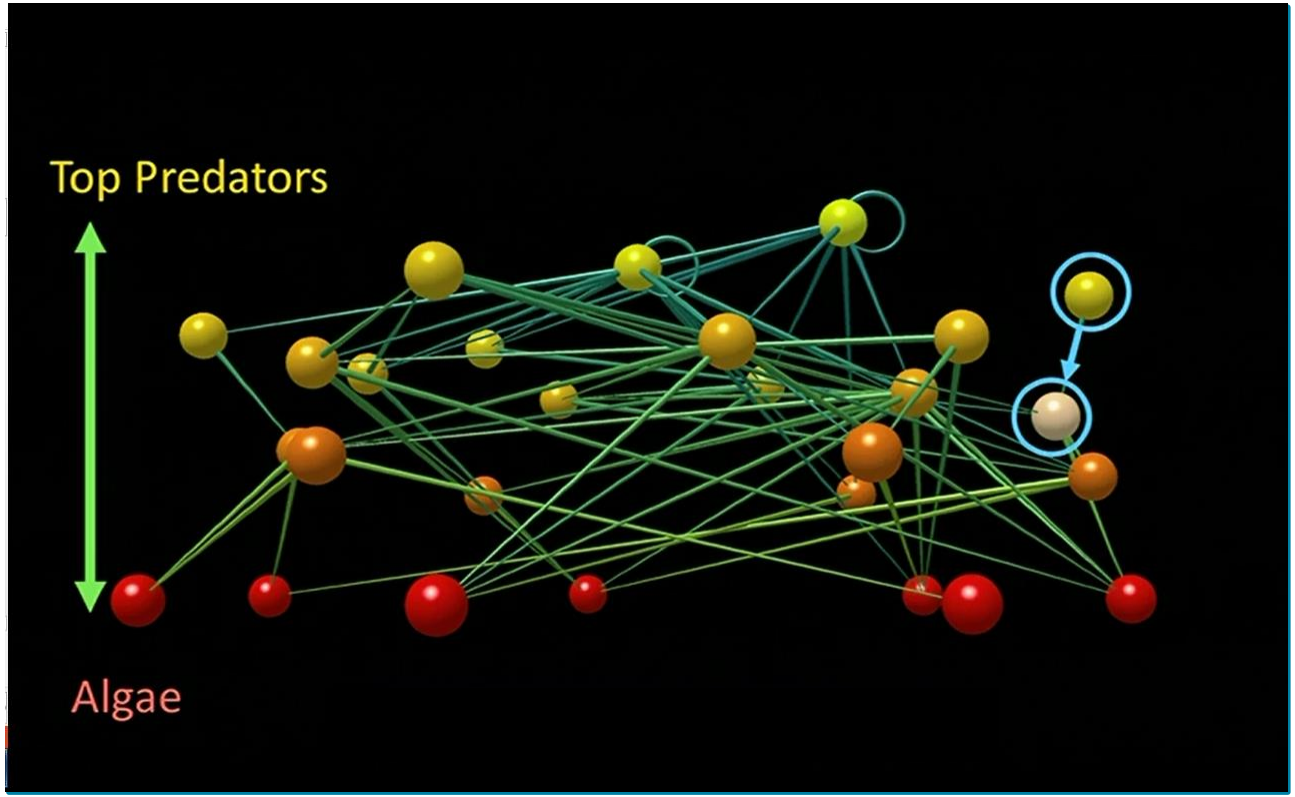
06 | Organization + Facility | OF

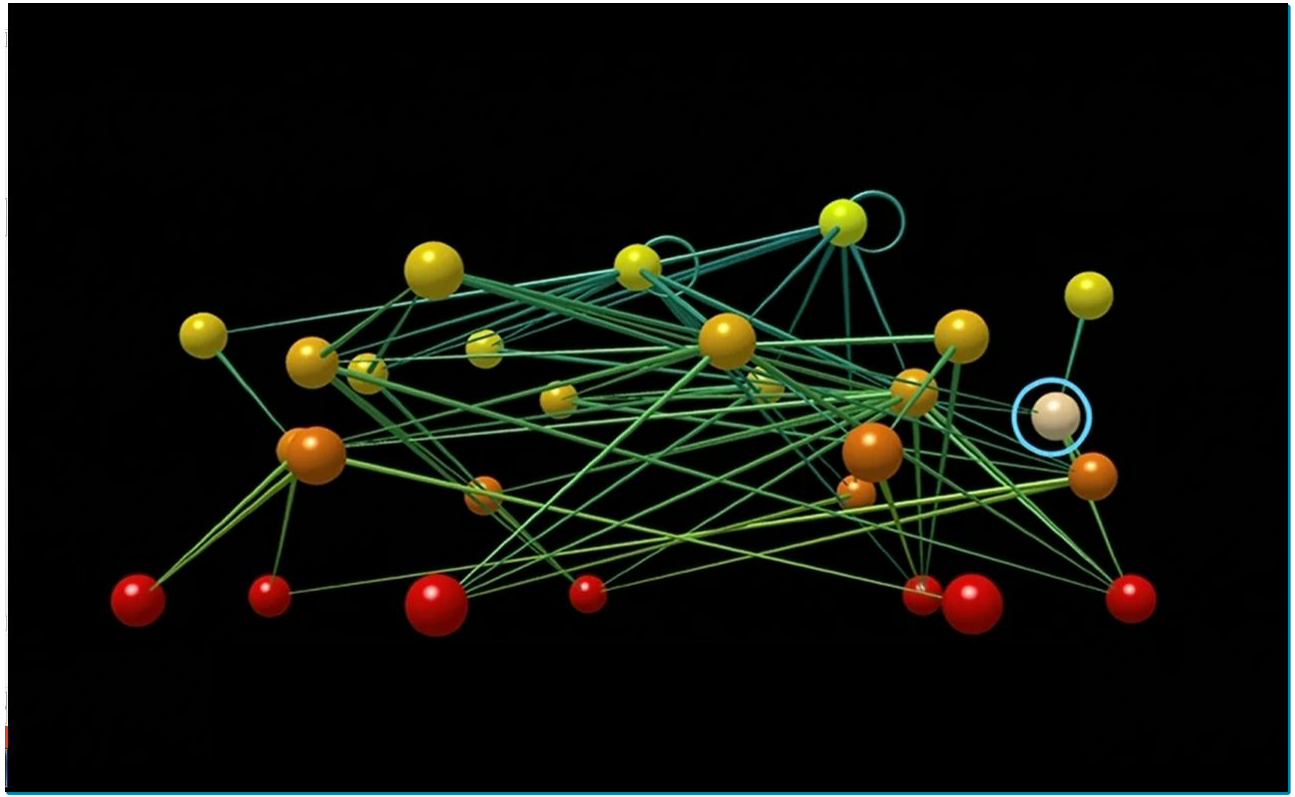
- #LEED

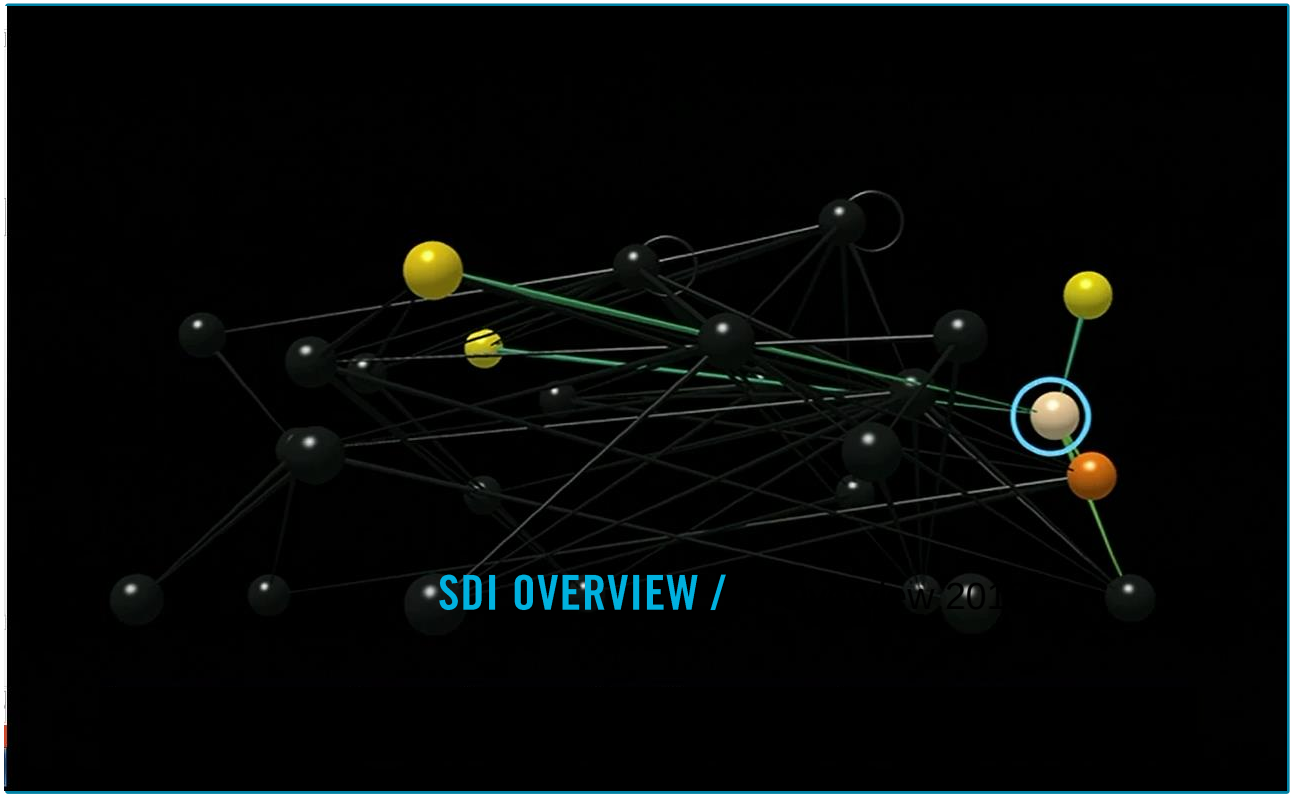
PERKINS+WILL
NEXT GENERATION DESIGN

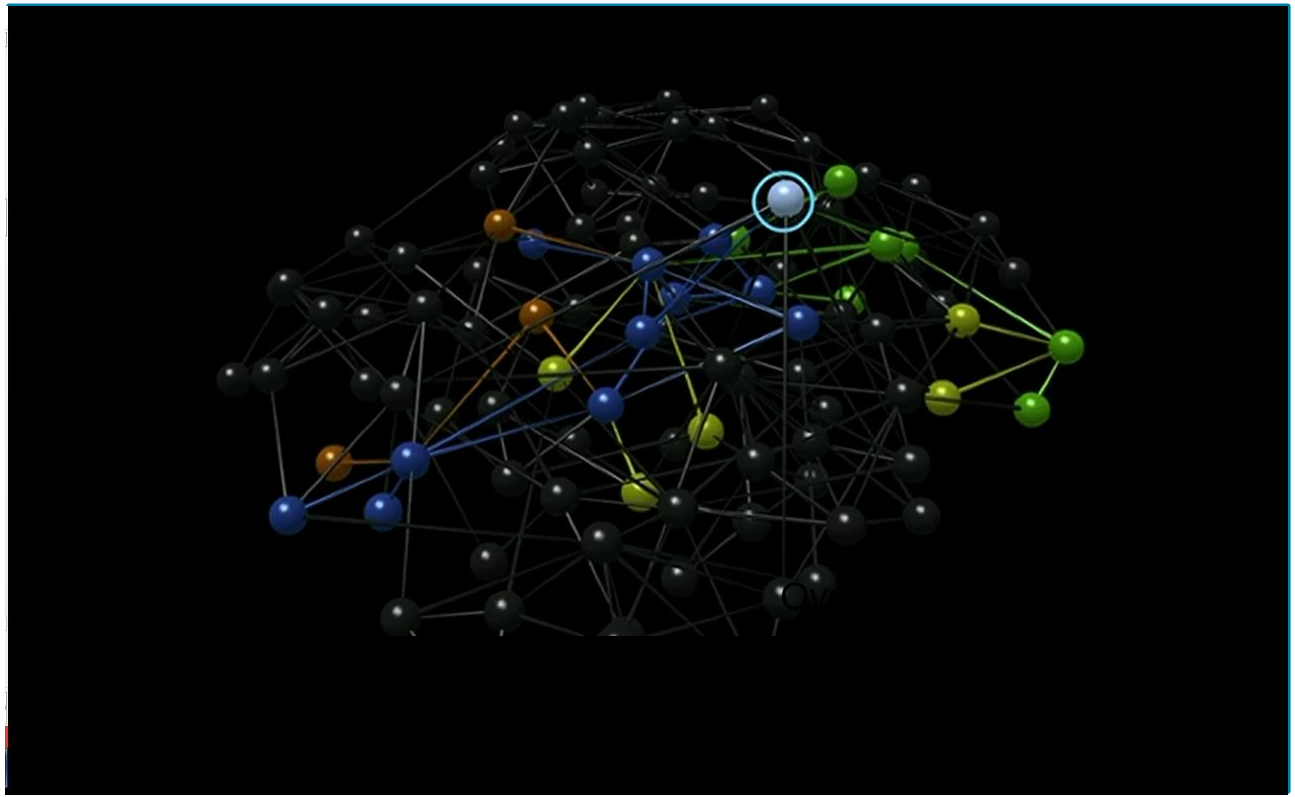
May 21 . 2014

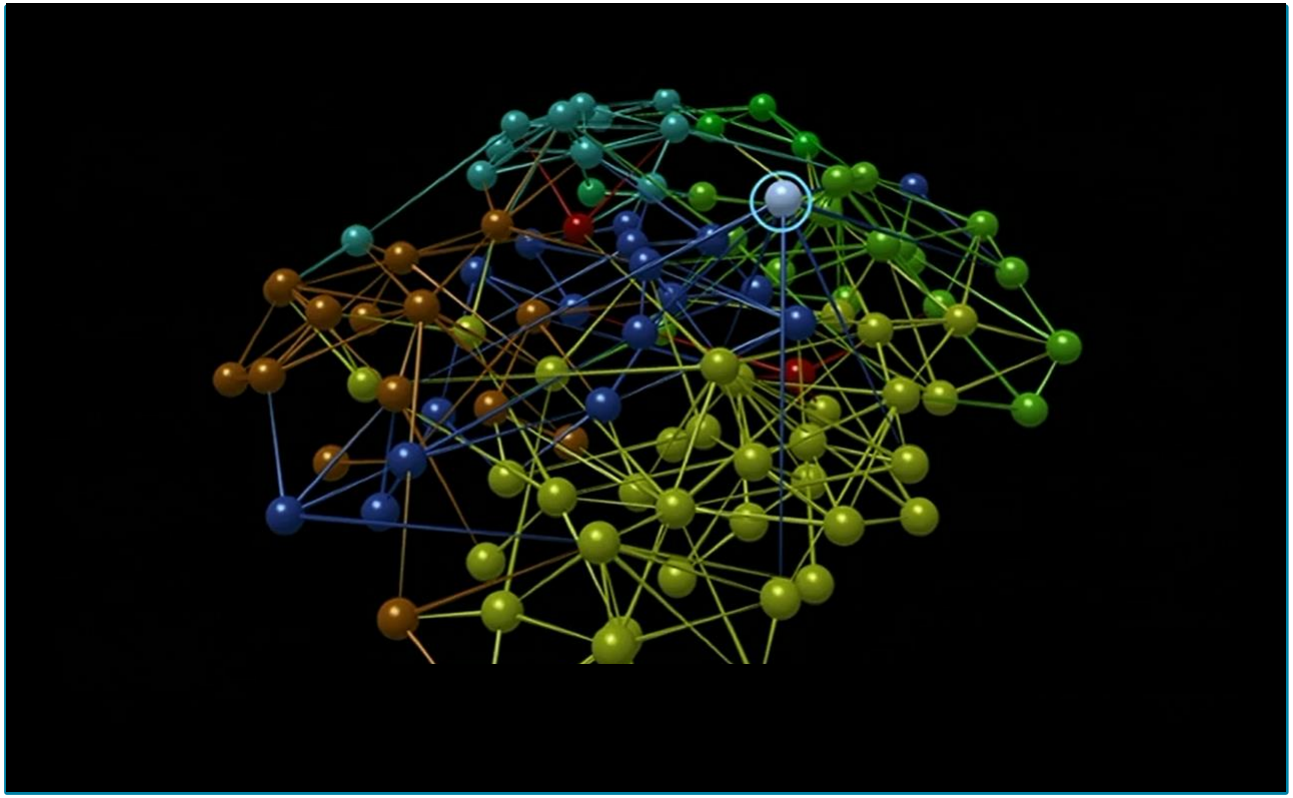
SDI RETREAT 2014 | PORTLAND OREGON

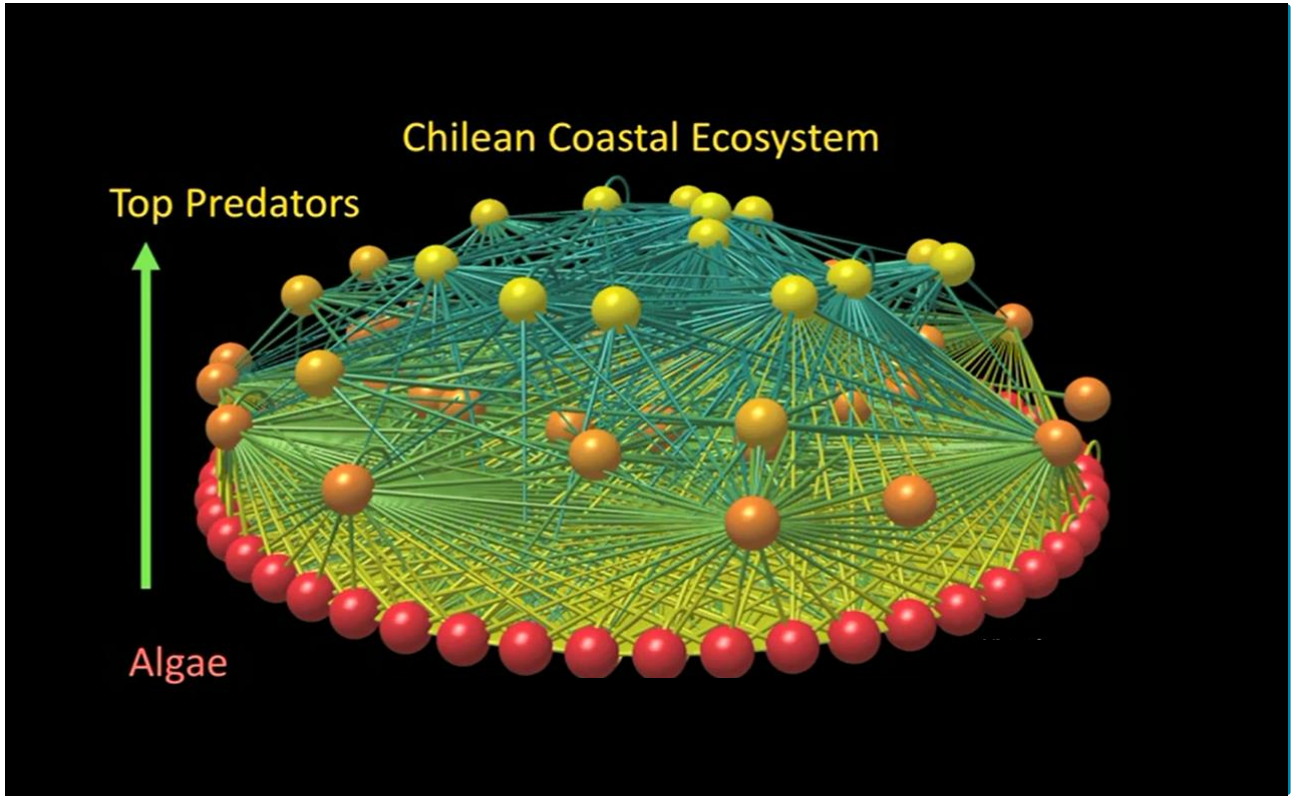

Top Predators
Algae

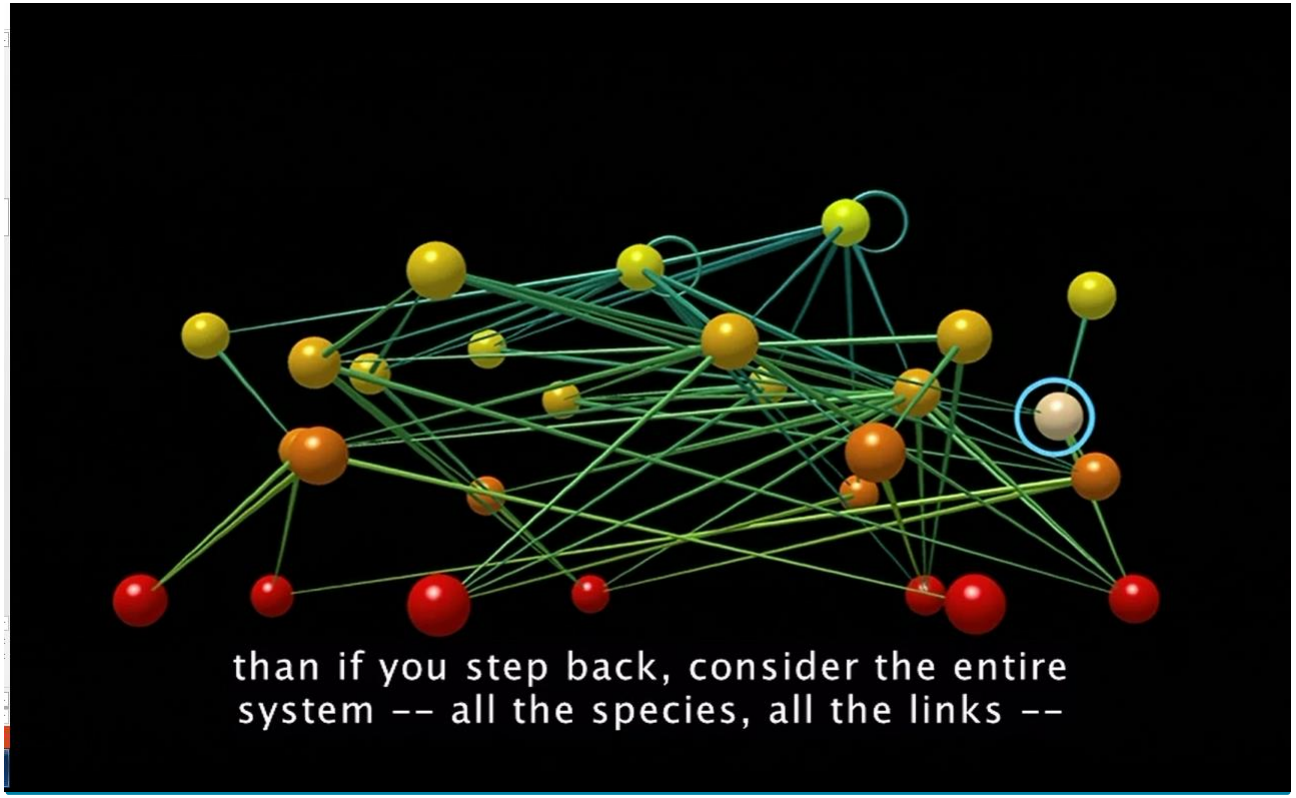


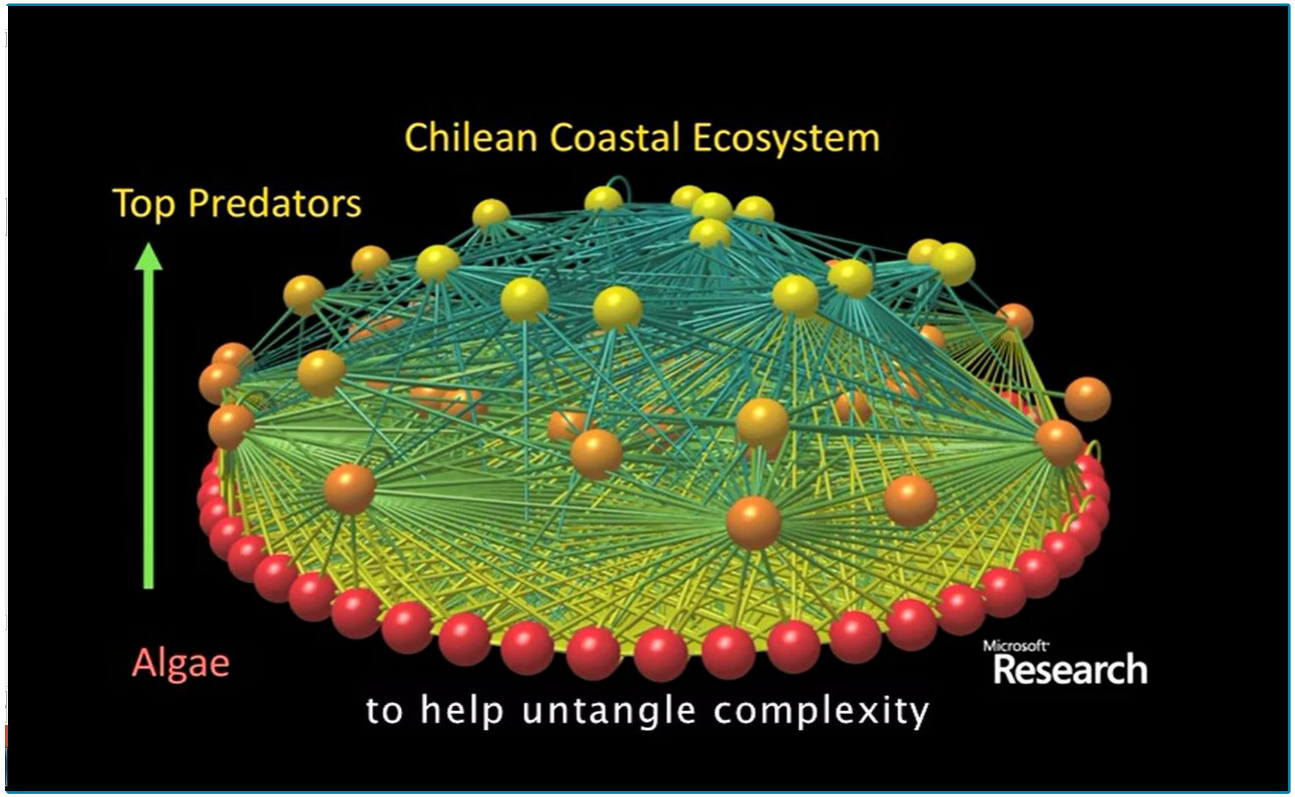

SDI OVERVIEW /

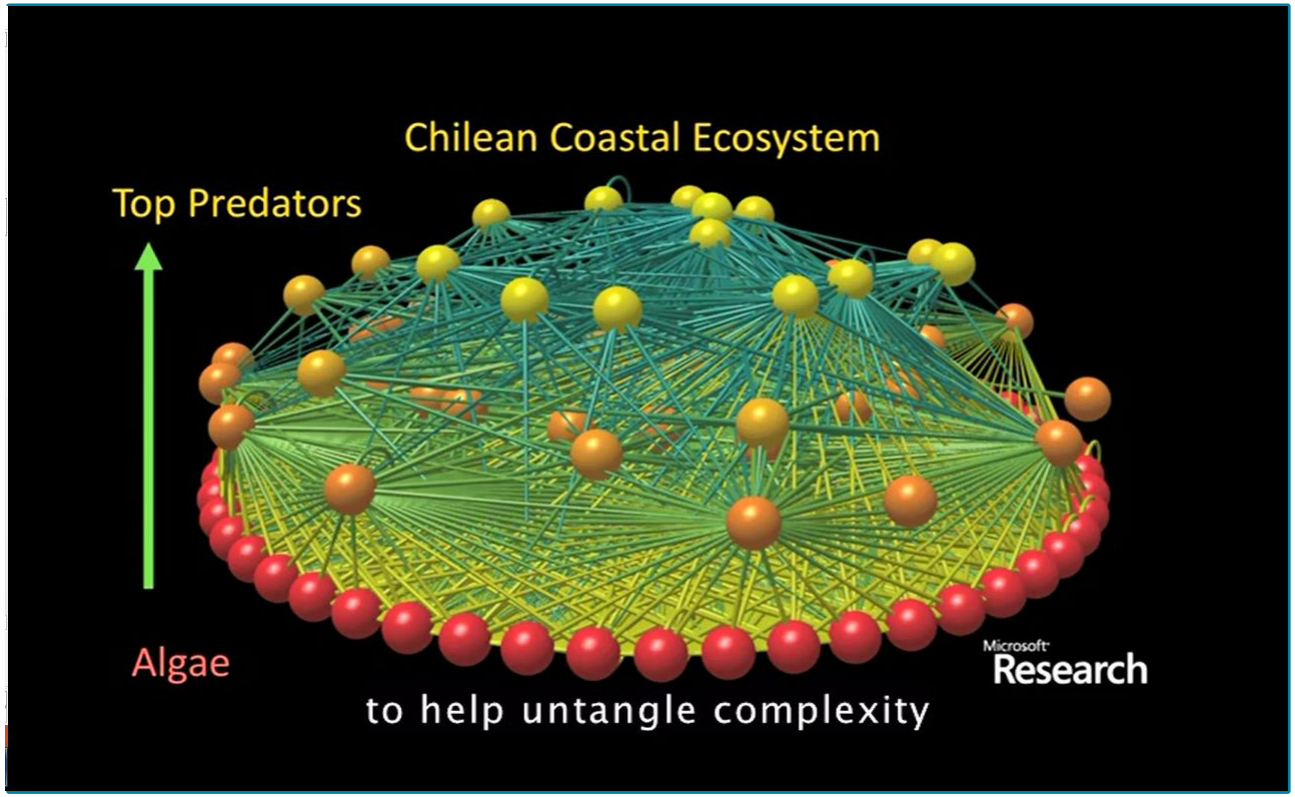





Chilean Coastal Ecosystem
Top Predators
Algae


than if you step back, consider the entire
system -- all the species, all the links --


Chilean Coastal Ecosystem
Top Predators
Algae
Microsoft Research
to help untangle complexity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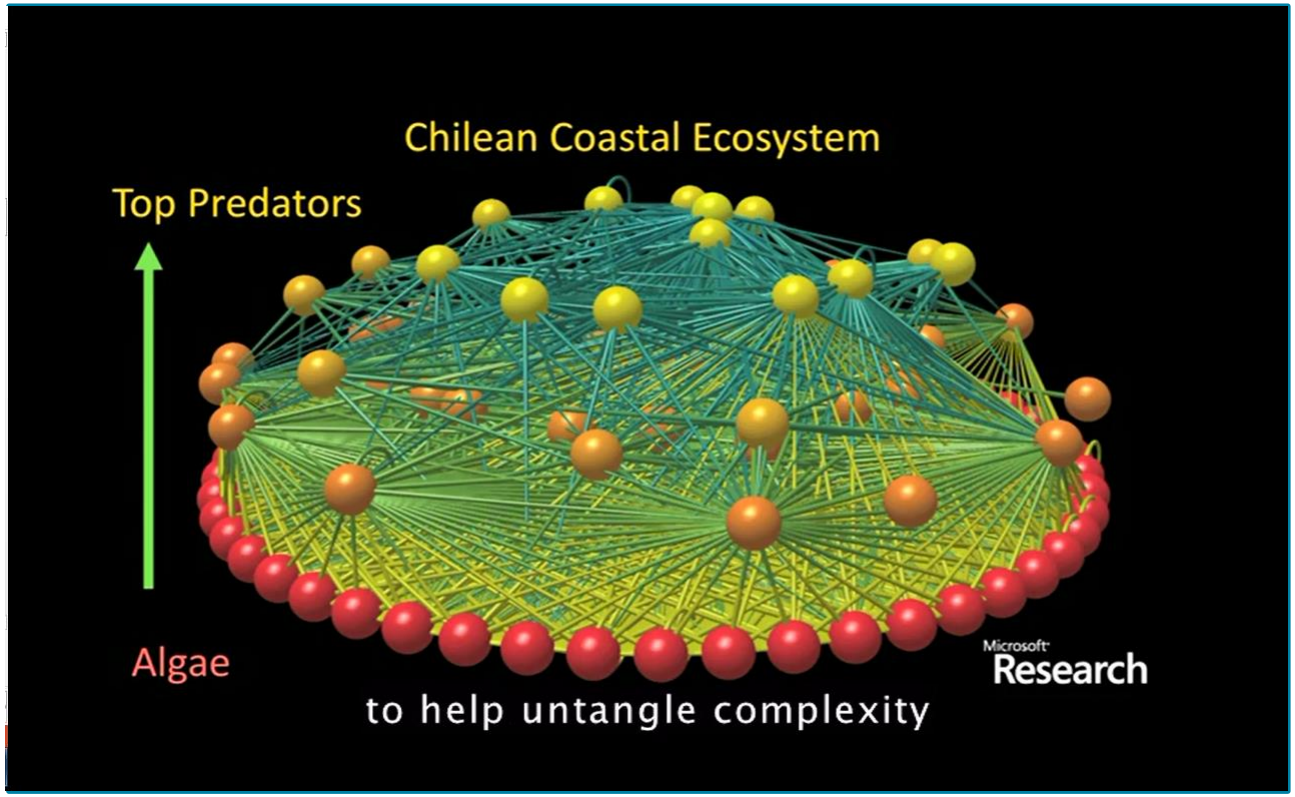
Chilean Coastal Ecosystem
Top Predators
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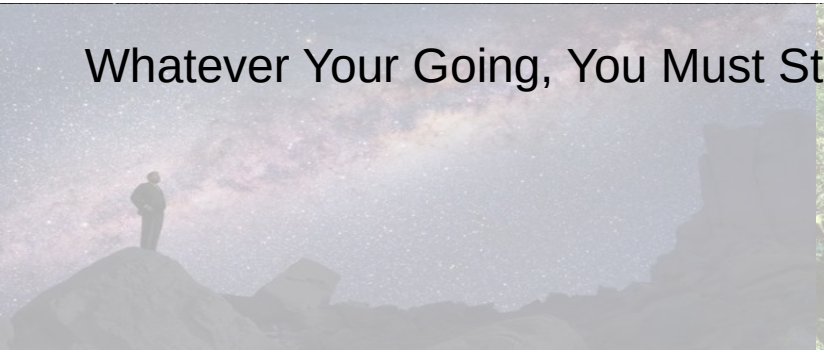
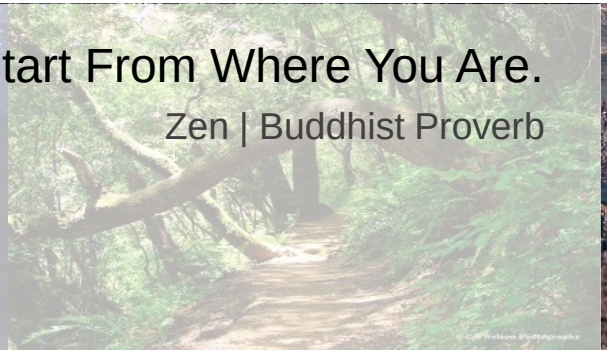
HOW DID WE GET HERE?
NEXT GENERATION DESIGN

May 21 . 2014



Whatever Your Going, You Must Start From Where You Are.

Zen | Buddhist Proverb



50,000 B.C. — Conscious Thought + Deliberate Creativity

10,000 B.C. — Agriculture + Urbanization

1,000 A.D. — Machine Age First Mechanical Clock

1750 — Industrial Revolution

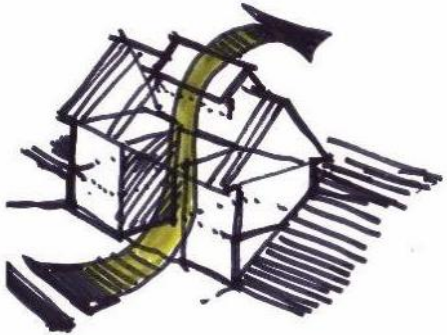
16 — Anthropocene Epoch 2016

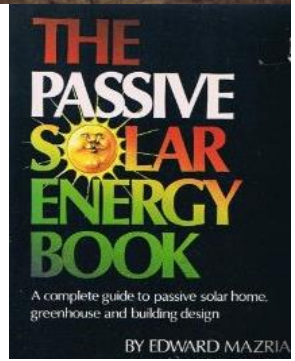
29 — Carbon Cut-off Date: 2029

PATTERN USE EXAMPLE

TIME . SCHEDULE + INNOVATION

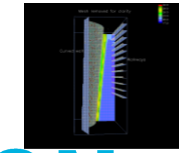
MEADOWCREEK

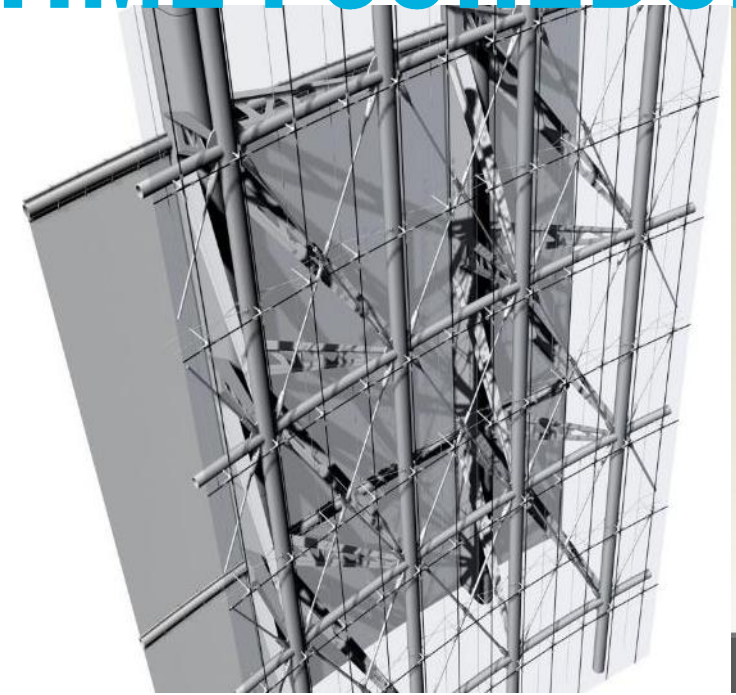


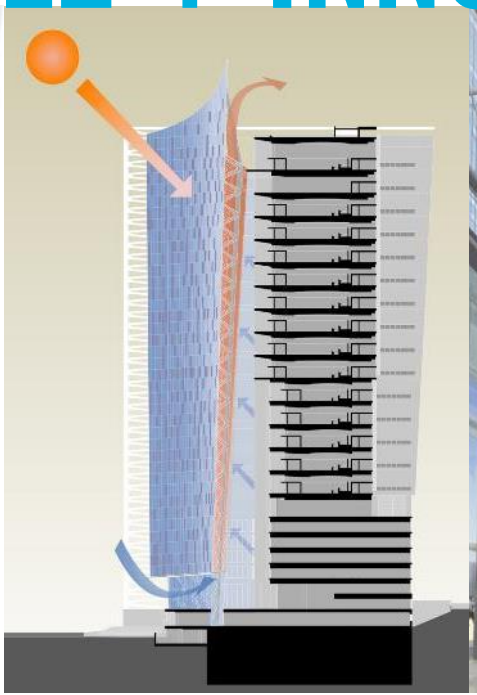


PATTERN USE EXAMPLE

TIME . SCHEDULE + INNOVATION

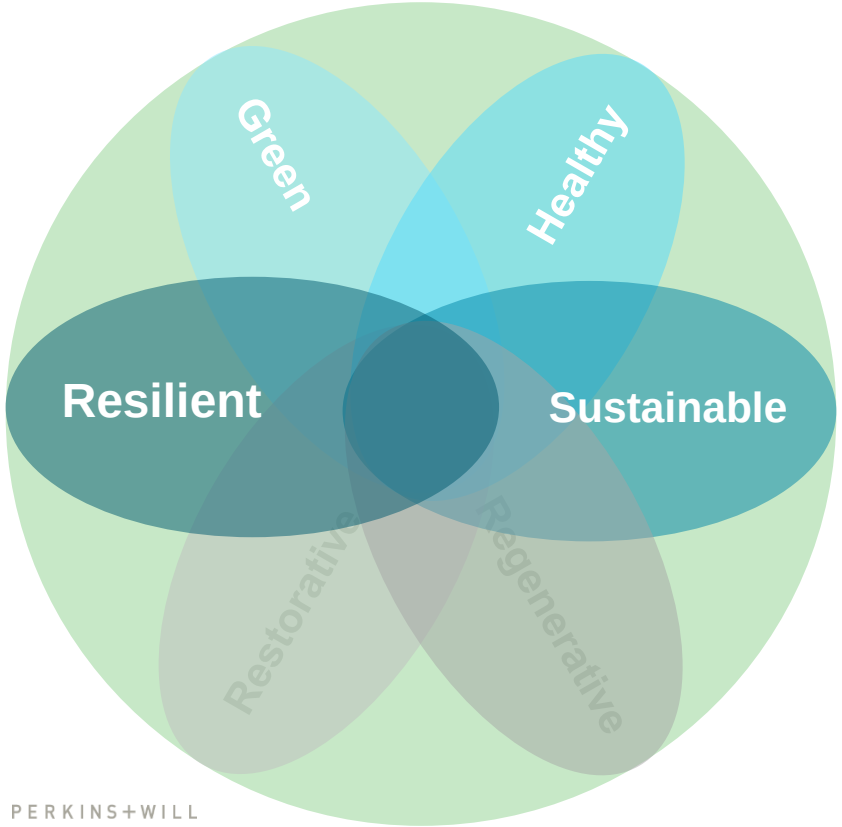






LA COURTHOUSE

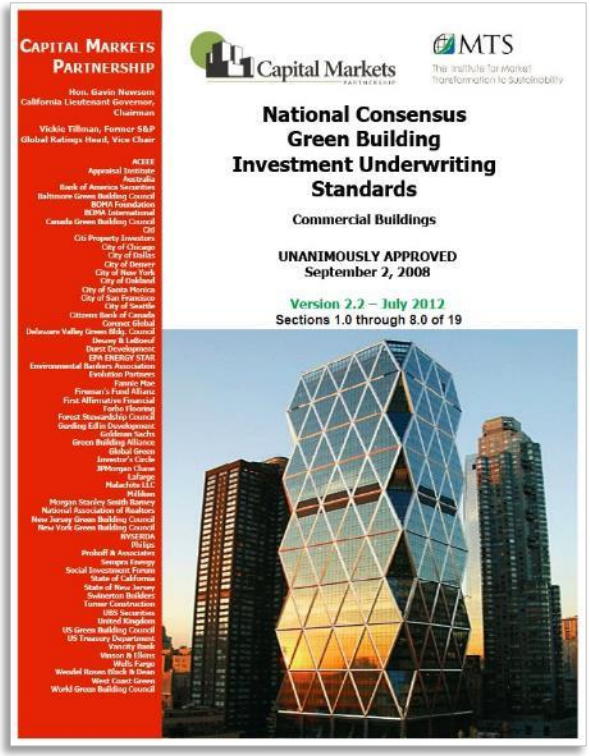
COMPREHENSIVE



(3) Major Areas
<Emergence>

Integrative Process +
Wholistic Planning
Healthy
Regenerative
Resilient
Restorative
Sustainable
<Alphabetical>

MTS GREEN BUILDING BONDS



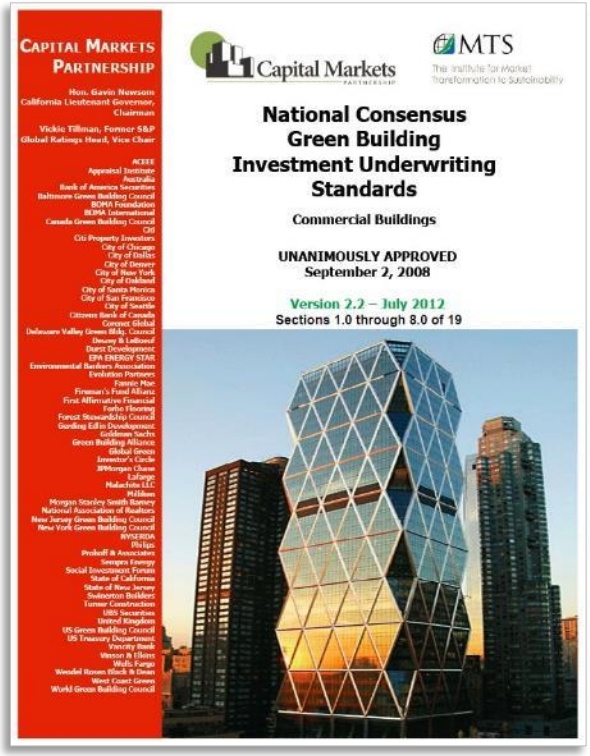
Developed by:
MTS / Capital Markets Partnership
Consensus Standard
Version 2.2 July 2012

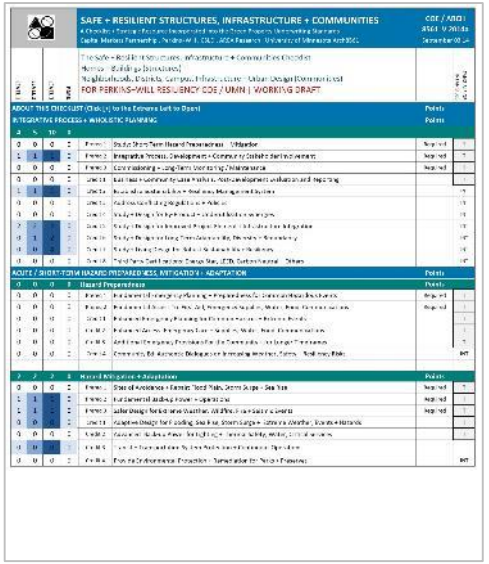
Basis for Reduced Cost of Money
Used by Banks & Appraisers

Launched in April 2008 at:
JPMorgan Chase | Wells Fargo | Wachovia

Market Tested by:
JPMorgan | Jones Lang LaSalle | CB Richard Ellis, Comerica | Transwestern

MTS GREEN BUILDING BONDS





PUBLIC COMMENTS + BALLOT

Public Announcement
6,500 E-mails

MTS Safe+Resilient Committee
State of California
Perkins+Will
Impact Infrastructure
Jones Lang Lasalle
Environmental Bankers Assoc.
GE
Eaton
Deloitte
U.S. Conference of Mayors
Appraisal Institute

PUBLIC COMMENTS + BALLOT

SCHEDULE

Public Comments Round #1:

Due 09.08.2014

Public Meeting: 09.16.2014

Perkins+Will D.C. Office

Public Comments Round #2:

Due 10.16.2014

Public Comments Round #3(?)

Public Ballet | Date: TBD

Anyone Can Vote

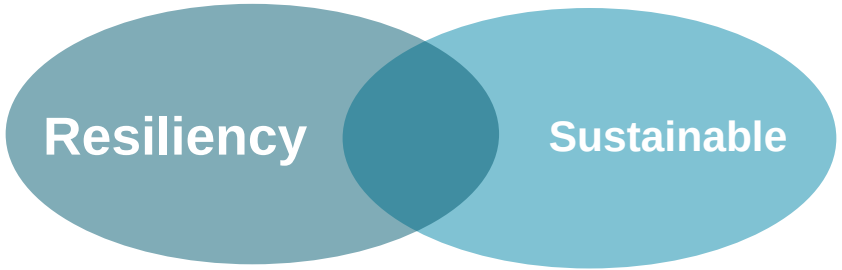
All Negatives Must Be Resolved

WHERE DOES RESILIENCY FIT?

Green
Healthy
Regenerative
Resiliency
Restorative
Sustainable

Alphabetical

WHERE DOES RESILIENCY FIT?



Prevailing Design Lenses

<Green Building Movement>

Green
Healthy
Regenerative
Resilience
Restorative
Sustainable

<Alphabetical>