



Anat Mor-Avi, Ph.D. WE LEARN ISRAEL

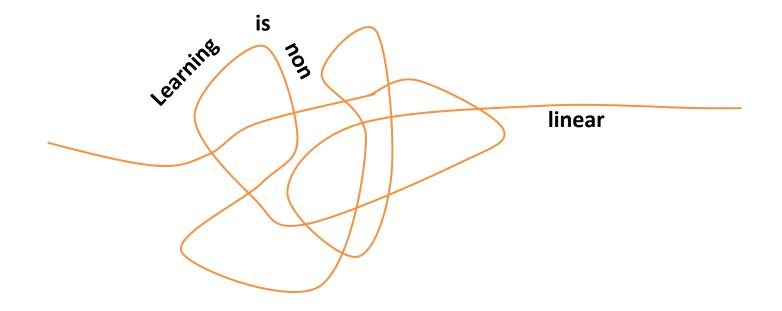




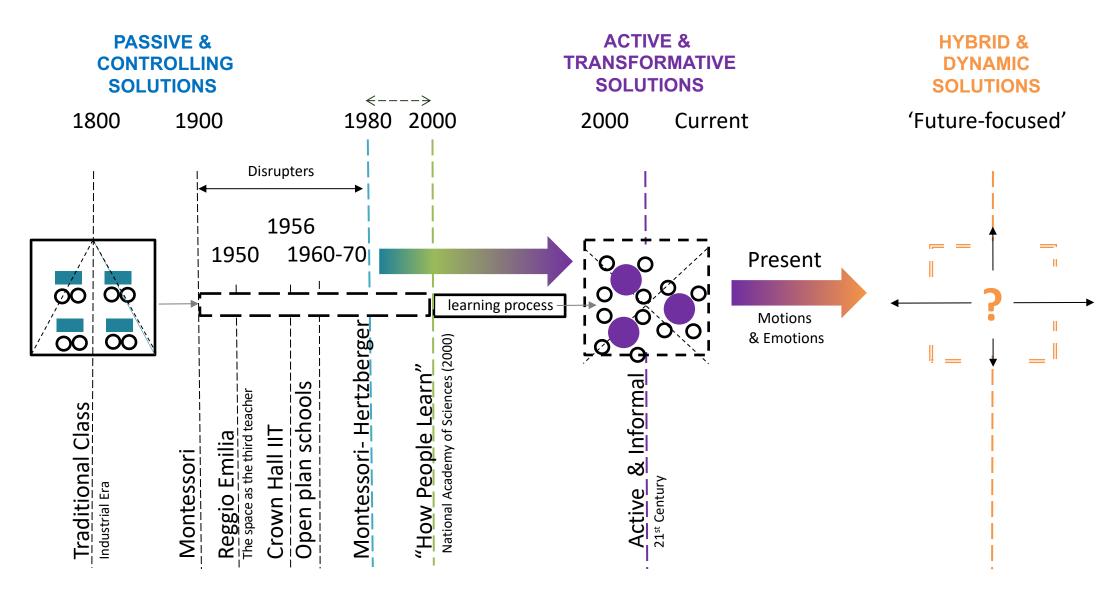
Lennie Scott-Webber, Ph.D. RESEARCH FUNDED BY VS AMERICA, INC.

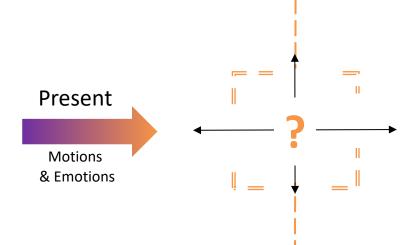


**INSYNC:** Education Research + Design Knoxville, TN, USA



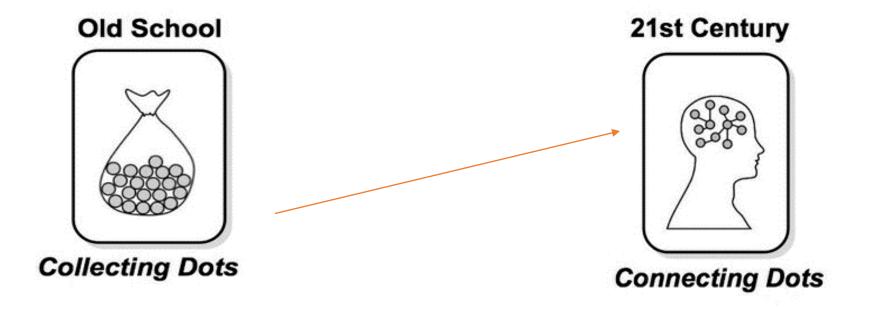
New relationships between architecture, educators, and the learning experience are required.



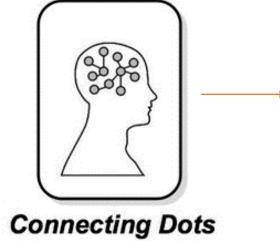


#### **HYBRID & DYNAMIC SOLUTIONS**

The terms refer to an interplay of 'spaces' that are not just physical but also digital, social, conceptual, and informational; supporting the new learner and emerging into the learning process.



# 21st Century



Connectivity may, in fact, be the most powerful tool in our lives today, with informational, economic, social, cultural and political impact.

It's time we turn toward each other to activate our highest collaborative creativity potential.

# Collaboration.....

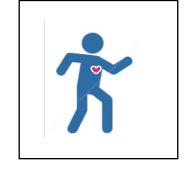
According to social theorists and demographers, the Western world as a whole is undergoing a generational shift from "I" to "We"

#### **LEARNING**



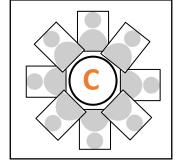
Learning & creativity empower economics

#### **BEHAVIOR**



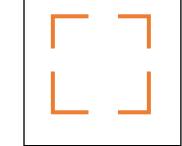
Social & soft skills become more important than content

#### **CULTURE**



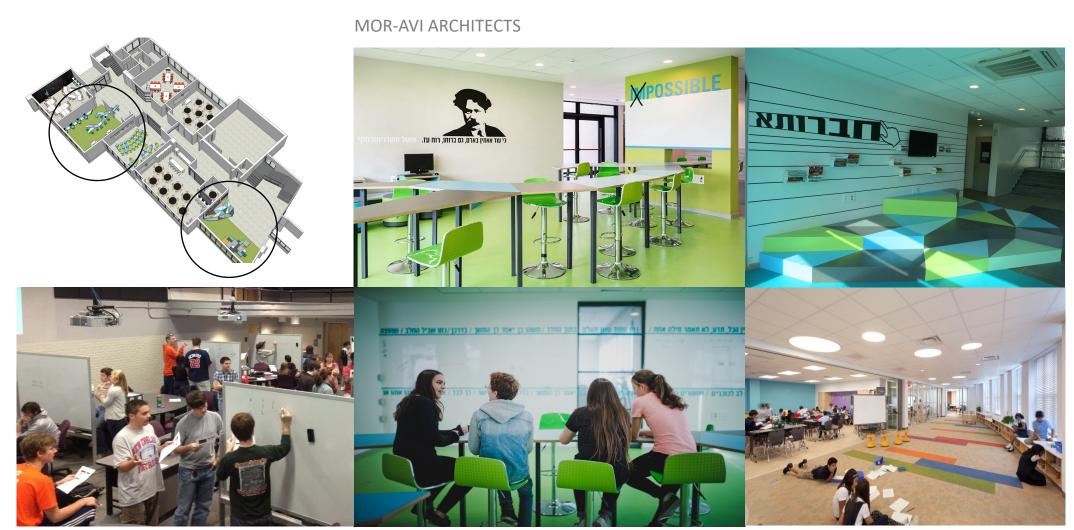
Connecting behaviors = a culture of "Together we are better"

#### SPACE



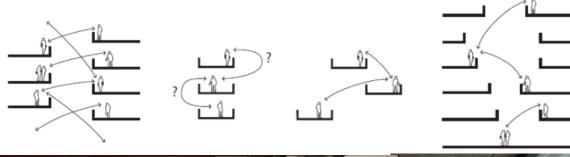
The design of space & affordances matter

#### NEW ARCHITECTURAL QUALITIES FOR "IN BETWEEN" SPACES



d.SCHOOL CANNON DESIGN

#### NEW ARCHITECTURAL QUALITIES: THE "VISUAL RELATIONS"







Northwestern University Kellogg Business school

[SOURCE: Diagram by Arc. Herman Hertzberger; Mor-Avi, 2021]

# SPACE WE-Q: Architecture for Collaborative Creativity

# Content Analysis | POE Behavioral & Photographic Trace Observations / Surveys / Interviews





Kaplan Institute for Innovation [IIT] / John Ronan, Architect

#### **CONTENT ANALYSIS:**

Studied 16 Awarded and/or Well-regarded Projects From Pre-Schools through Corporate Learning Places

































### Cultural, Behavioral, and Physical Messaging



#### TWO PATTERNS: "FORMAL"/ "INFORMAL"







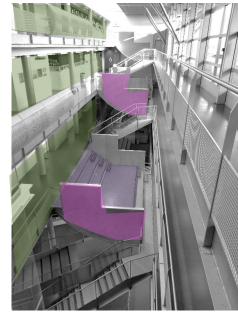










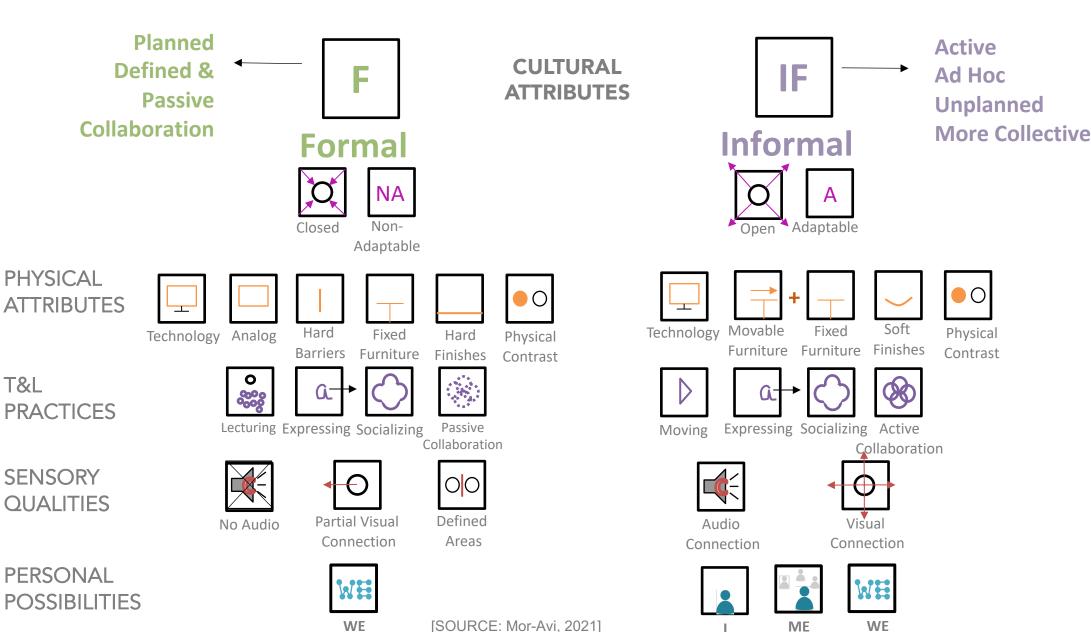




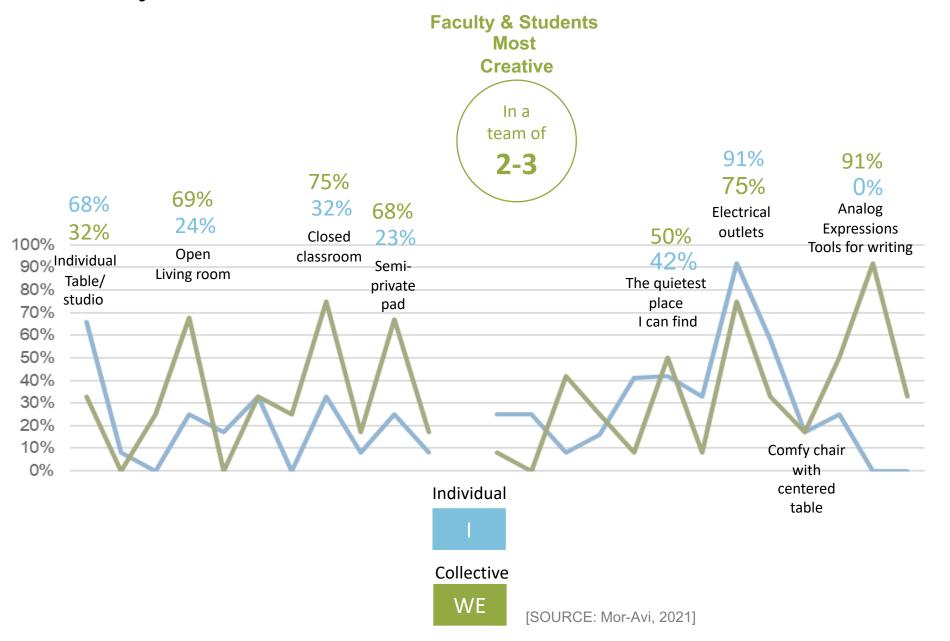


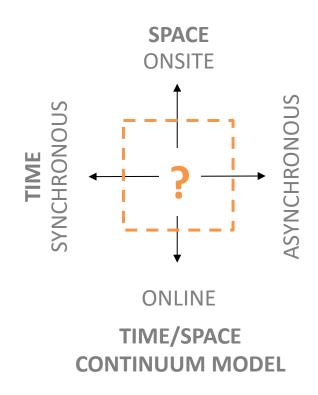
T&L

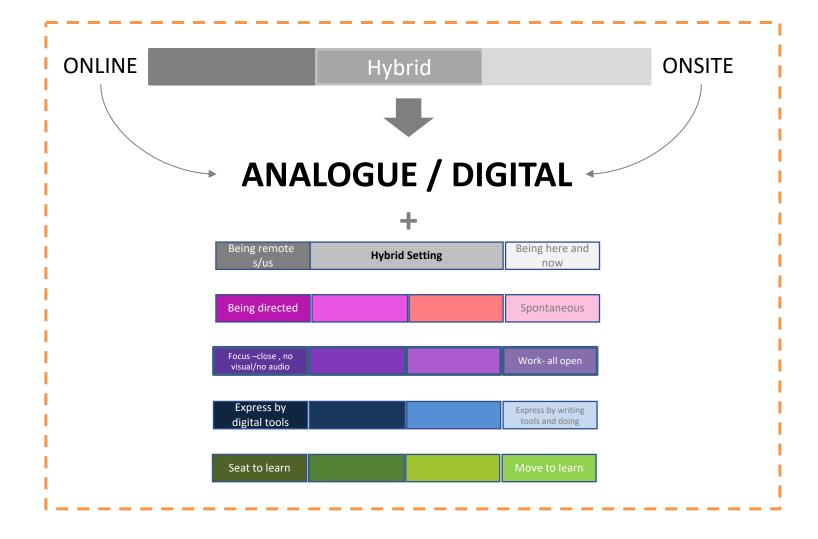
#### TWO PATTERNS: FORMAL & INFORMAL IDENTIFIERS



### Surveys: Being creative and collaborative as an individual and as a collective







# 'Hybridity'

# "Creativity is fundamental.....

and evolving from contradictory performances as

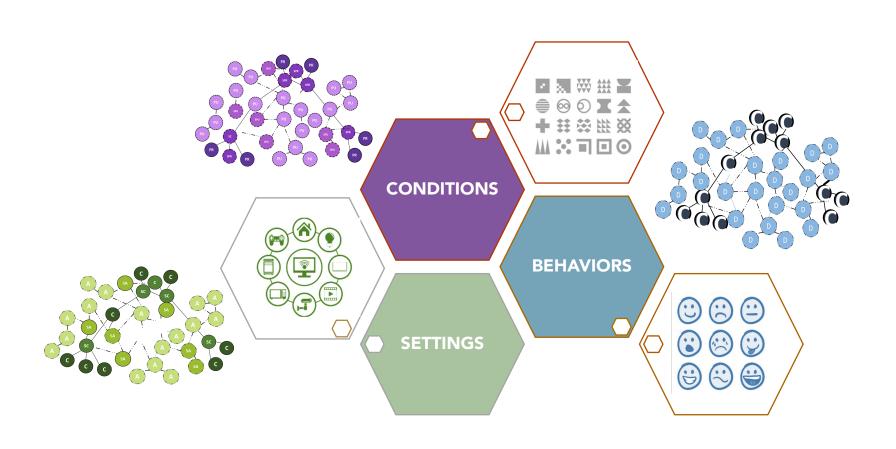
order and disorder, rigor and imagination,

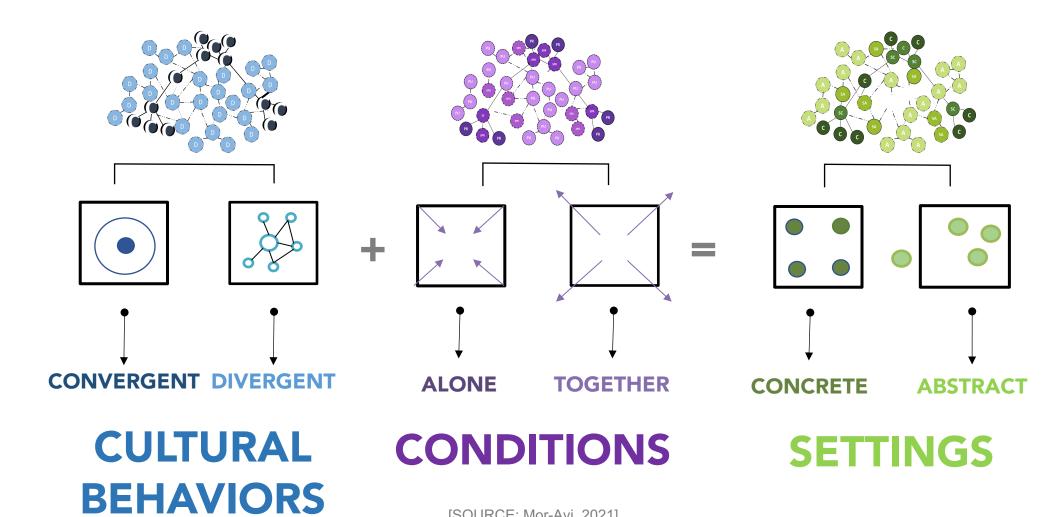
hard work and play, solitude and interactions,

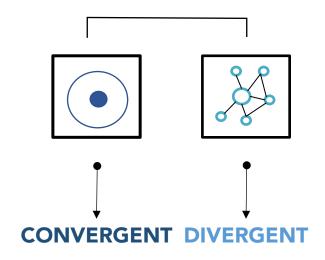
and sharing. The <u>critical tension between those contrasts</u>
suggest that creativity emerges on the

#### edge of chaos

while related to navigation between people, knowledge, and ideas."



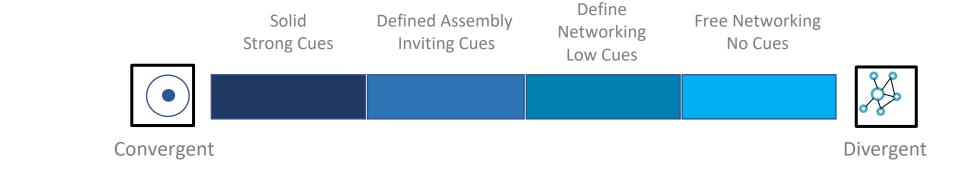


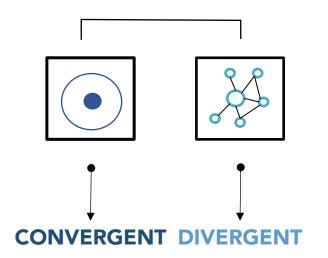


**CULTURAL BEHAVIORS** 

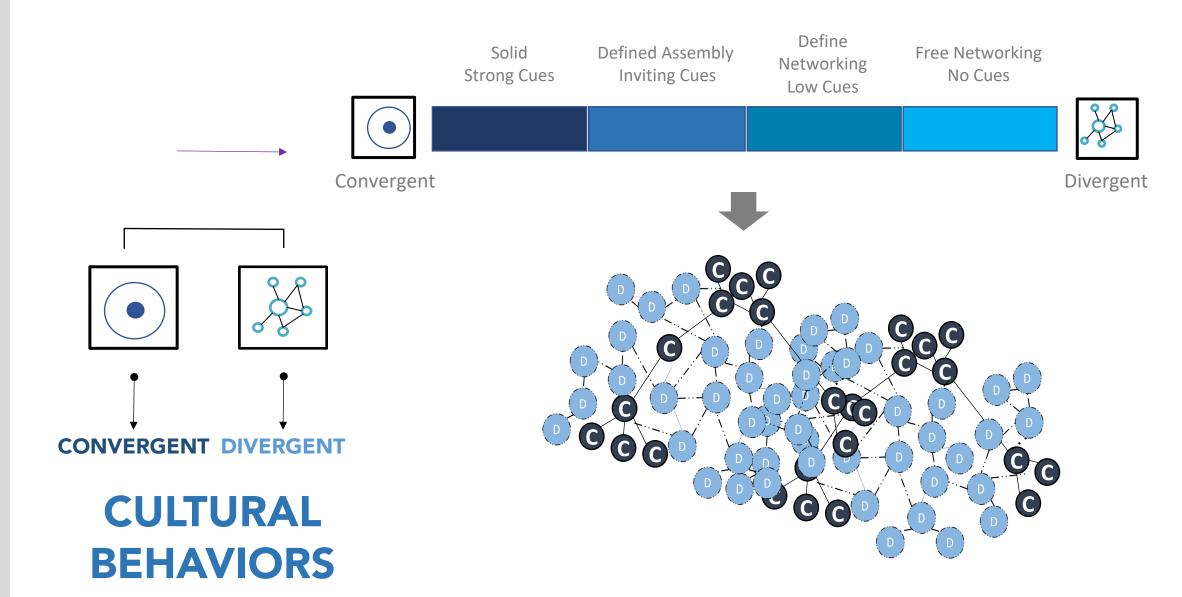
**CONVERGENT** = to bring together

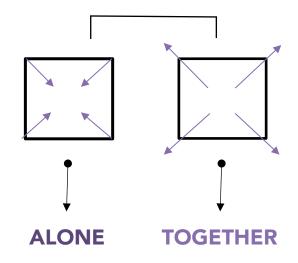
**DIVERGENT** = to move apart







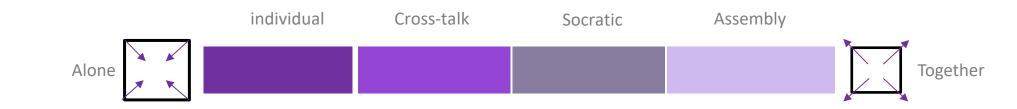


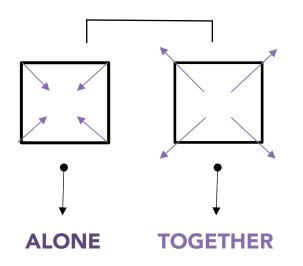


**CONDITIONS** 

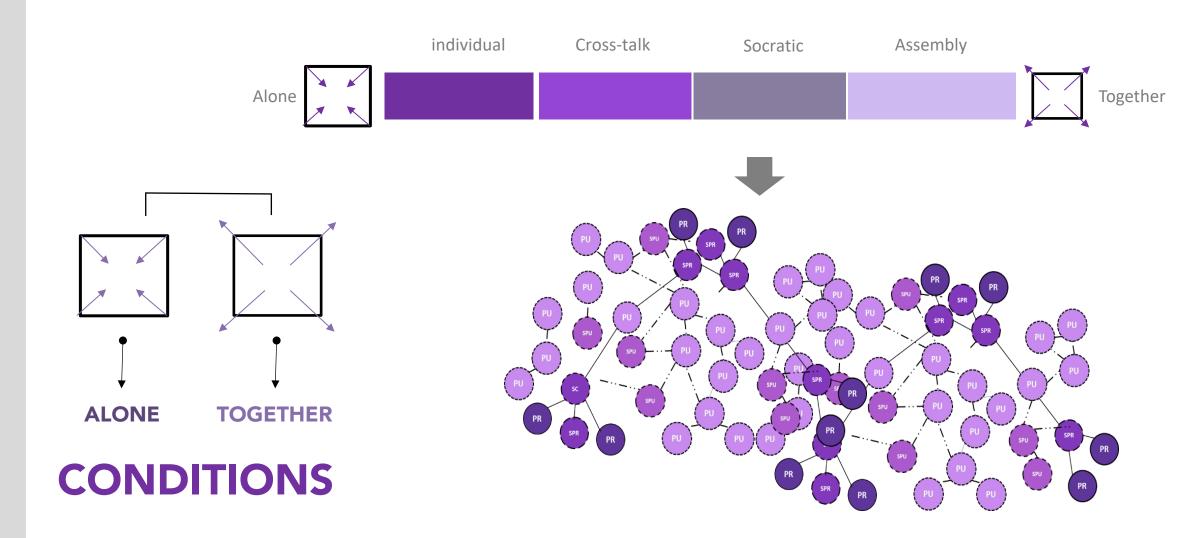
**ALONE** = Low ambient conditions / focused work

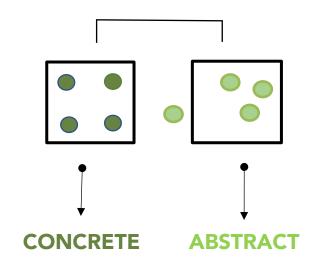
TOGETHER = High ambient conditions / interactive engagement





### **CONDITIONS**

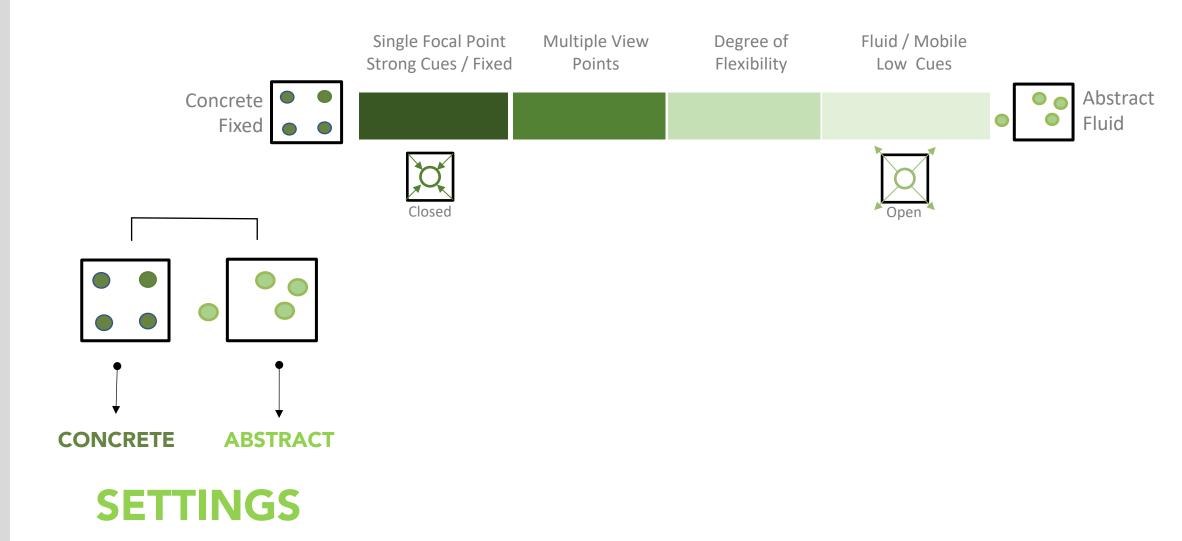


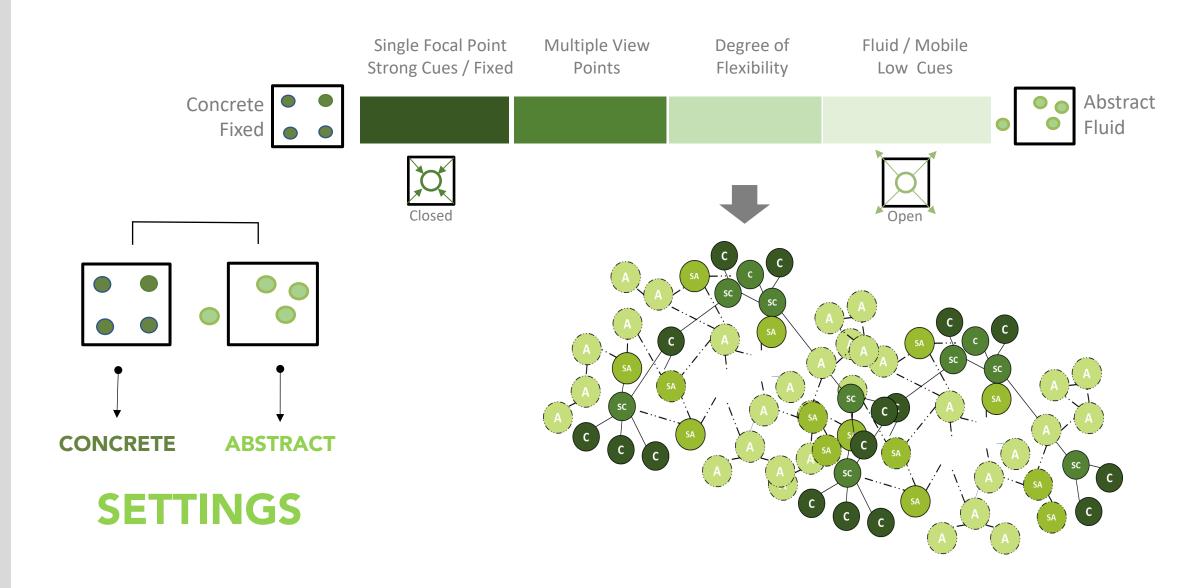


**CONCRETE** = enclosed area / fixed

ABSTRACT = open area / fluid

**SETTINGS** 



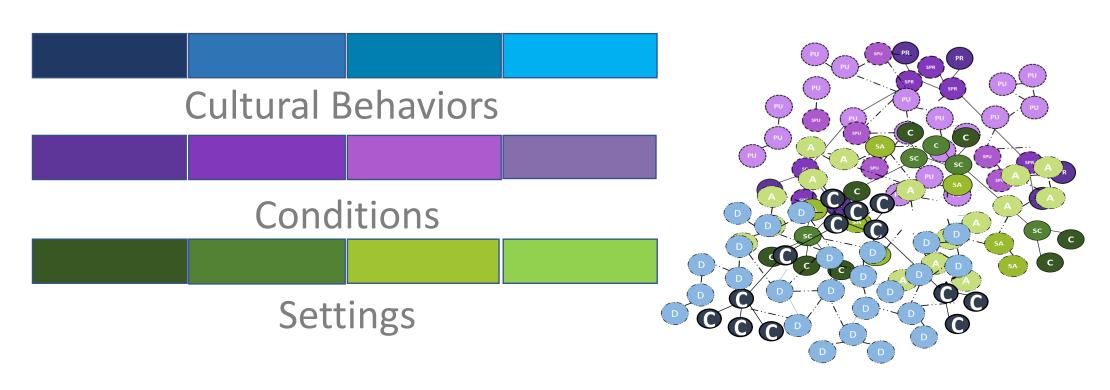


# WHAT DO THESE INTERPRETATIONS MEAN

TO YOU?

#### 'SHADES' / 'VALUES' CONNECTING ALL

## **Hybrid Spatial Patterns**



...digital, social, conceptual, emotional, and informational

A common understanding...on cognitive knowledge and how we learn includes the fact that...

Learning happens anywhere/anytime

Learners are empowered by different

modalities

The brain needs novelty

**Unfamiliarity** empowers creativity

# **Collaborative Creativity**





design to navigate between people, knowledge, and ideas simultaneously

[SOURCE: Montuori & Donnelly, 2013]

### IT IS A MOVE FROM DESIGNING...

...a uniform space

TO

supporting a contrasting, dynamic spatial SYSTEM

### IT IS A MOVE FROM DESIGNING...

...spaces

TO

designing FOR experiences

### IT IS A MOVE FROM DESIGNING...

...a controlled experience

TO

one offering UNCONTROLLED / AD HOC experiences

# Collaborative Creativity



**New Paradigm = New Spatial Order** 





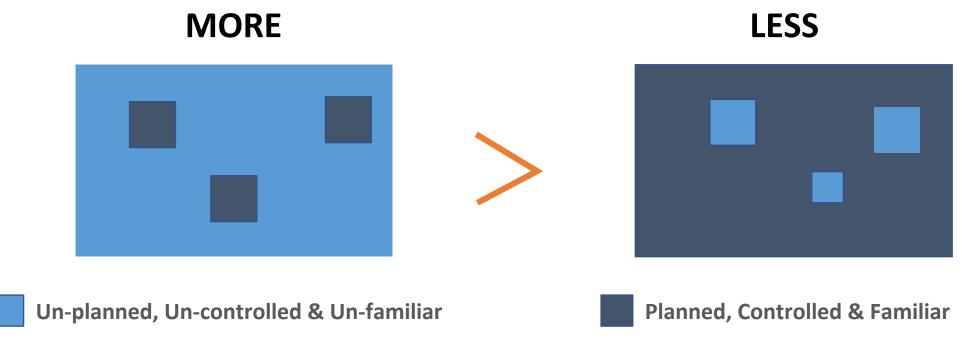
Help the educators to move to patterns of spaces reflecting this new order...being on the edge of chaos

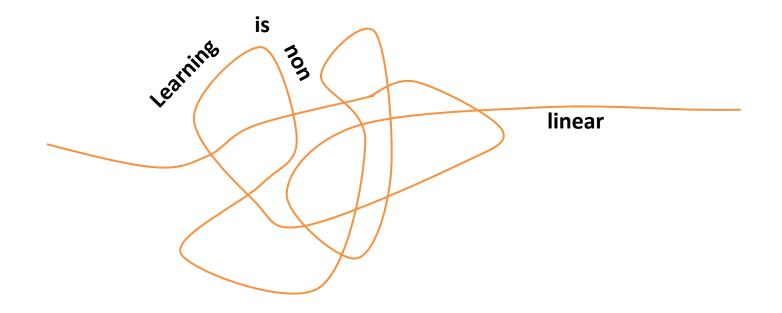


Space for Collaborative Creativity should perform as an Hybrid system

# Learning Is Messy Chaos Supports Creativity and Connectivity ...... Don't Be Afraid Of Chaos !!!

#### Chaos allows creativity to spark and flourish





If learning is non-linear Architectural solutions should be 'non-linear':

- Unplanned
- Non-precious
- User as designer



#### **THANK YOU**



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