# Scaling Change from Idea to Embedded, Sustainable Innovation



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### **Session Goals**

- Deeper understanding of systemic approaches to change in higher education
- Recognition that scalable and sustainable change requires multiple change levers aimed at multiple levels of the system
- Opportunity to reflect and connect with other change leaders on strategies for scaling change in STEM education to the national level

Drawing on our work in the TEval initiative.



## **Intro /Outline of Session**

- Part I: Framing
  - What /how are you scaling?
  - Brief intro to TEval
  - Cases studies at 4-levels: dept, college, institution, national
  - Lessons learned / Cross case studies
  - Theories of change
- Part II: Breakout Discussions: Scaling Change in Your Context
  - What's your change?
  - What are compelling tools / strategies / framing for scaling?
- Part III : Report out / Debrief



# Pair-Share about Your Context (3 min)

- What project are you (interested in) scaling?
- What level are you trying to scale to (e.g., a full department, a school, your institution)?

Next, how we are scaling change at multiple levels in TEval.



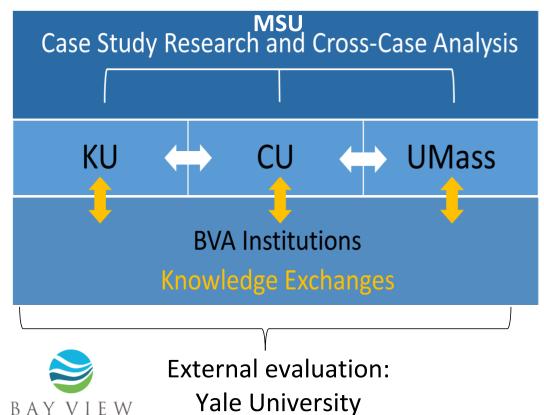
### The TEval Initiative



Overarching Goal: advance understanding of the institutional change processes that foster improved evaluation by studying the adoption and integration of new approaches at three universities.



### The TEval Initiative



#### **Lead Collaborators**

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Univ of Massachusetts Amherst

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## A Common Framework (and Tools)

- To advance an externalized and more comprehensive vision of inclusive & scholarly teaching
- To support gathering and organizing evidence from multiple sources



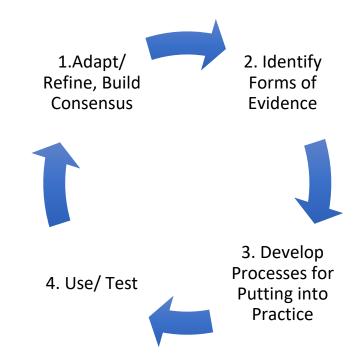
Based in scholarship on peer review, scholarly teaching and its evaluation (e.g., Bernstein & Huber, 2006; Glassick et al., 1997; Hutchings, 1995;1996; Lyde, Grieshaber, & Byrns, 2016)



# Common Processes: Support Department as a Key Unit of Change

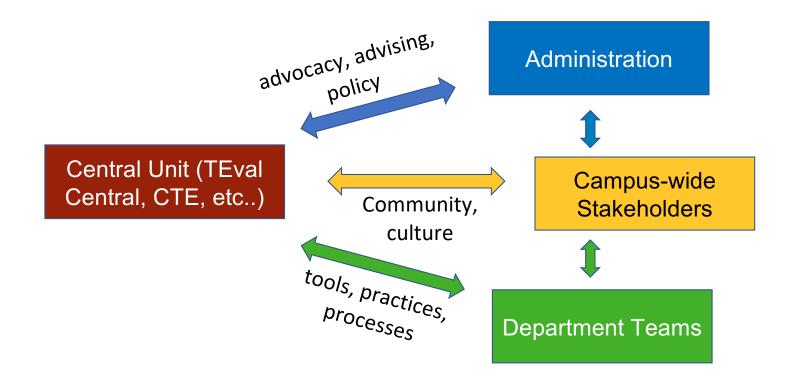
Departments act as incubators to adapt, use and refine the rubric

A central unit provides scaffolding for this process





## Common Processes: A Systems Approach to Support Sustained Use & Institutionalization





## **TEval Case Studies at four levels**

- Department
- College
- Institution
- National

## A Tale of Two Departments

#### Dept 1: Linguistics

- -Robust teaching culture
- -Broad buy-in
- -Wanted more consistency in eval

Adapted rubric, implemented, collected data, refined

Annual peer review, P&T, and GTA eval

#### Dept 2: C&P Engr

- -Small champion group
- -Formative peer review triads
- -Developed, tested & built buy-in
- -Dept chair change
- -New student rating tool
- -All faculty in triads
- -Rubric for P&T and annual eval
- -Aligned w/other dept processes
- -\$100k AAU award

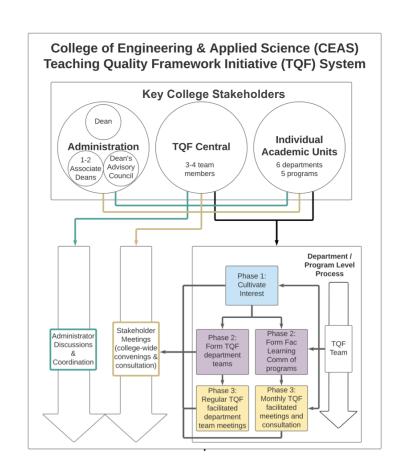
## What Is Happening in these Cases:

- Identifying on-ramps
- Empowering formal and informal leaders (e.g., dept teams, grants)
- Community and sharing
- Resources to scaffold work
- Rubric -> shared vision
- Iteration
- Opportunism/leveraging disruption



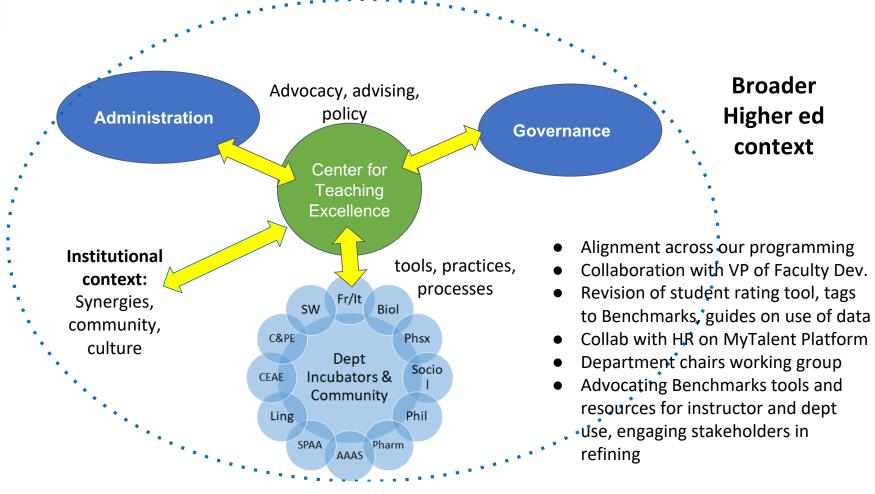
## The College Story ...

- Department as key unit for change (at our types of institutions)
- Necessary but not sufficient
- College level can:
  - initiate (cajole, require)
  - scale / coordinate
  - harden (enact in policy)
  - sustain improvements (fund)
  - advocate up
  - link to national





### **Institutional Scale**





## National Scale (to be cleaned up)



















Transforming Teaching Evaluations MULTIDIMENSIONAL EVALUATION OF TEACHING



Mar 10-12, 2021, Knowledge Exchange Oct 2021, 100+

**Outcomes:** Growing Network

Coordinating Taxonomy / Language Framing national dialog

Advocating for a movement



Open Meeting May 23-24 (incl. teaching eval)



Fall 2022



# Lessons from TEval: Scaling to the Department, College, Institution, and National Levels

- Build on the institutional and national landscapes
  - o Respond to concerns of institutional leaders, faculty, disciplinary associations, and national organizations
  - o Articulate a vision that connects narratives, addresses concerns, and inspires effort
- Work from the top-down, bottom-up, and middle-out
  - o Build faculty capacity and engagement
  - Seek the expertise, buy-in, and explicit support of institutional leaders at various levels
  - o Identify "champions" in formal and informal roles as well as allies with related priorities
- Develop evidence and examples
  - o Provide resources, offer compelling evidence, highlight examples
- Honor institutional cultures /contexts, while also leveraging the power of cross-national connections and collaboration
  - o Create occasions for conversations, visibility, and fostering connections

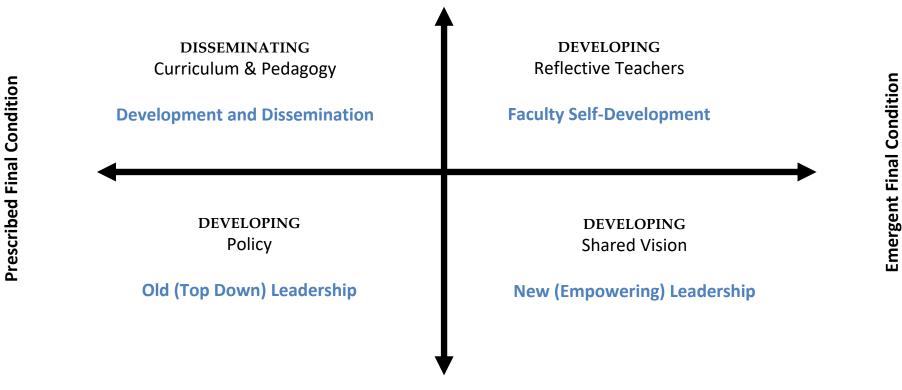


## Strategies for Change: Two Useful Models

- 1) Systems of Change (4-square)
- 2) Levers of Change (4 -frames)

## Four Categories of Change Strategies

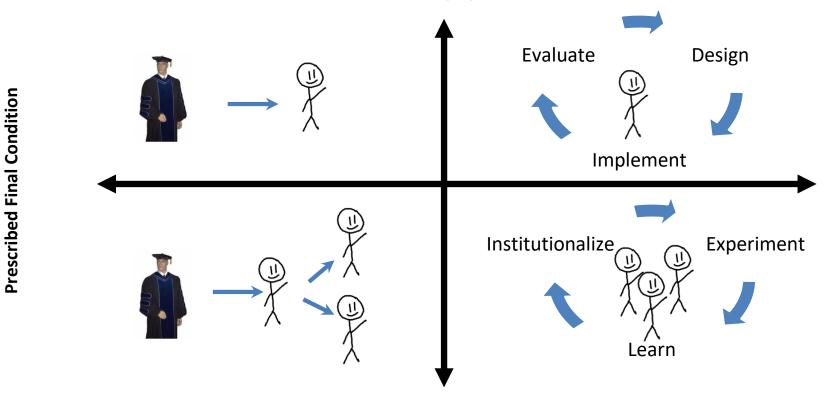
**Focus on Changing Individuals** 



#### **Focus on Changing Environment/Structures**

## **How they Work**

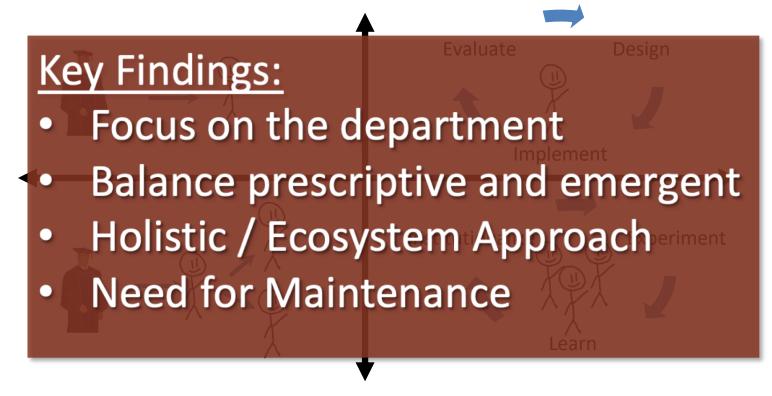
#### **Focus on Changing Individuals**



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## **How they Work**

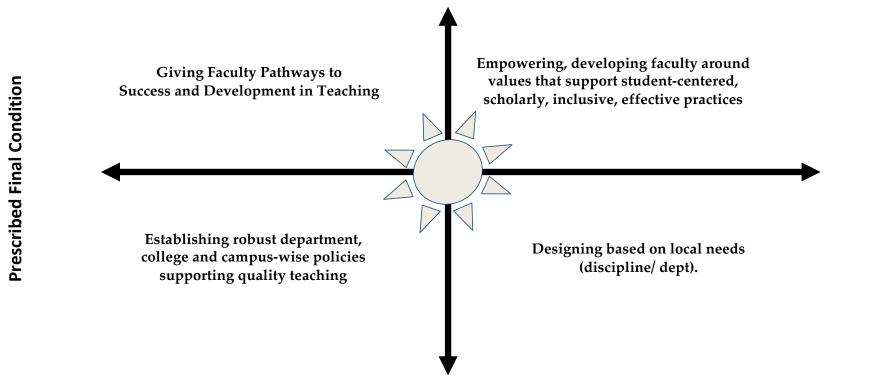
**Focus on Changing Individuals** 



#### **Focus on Changing Environment/Structures**

## Four Categories for Changing Teaching Eval

**Focus on Changing Individuals** 



#### **Focus on Changing Environment/Structures**

## **Windows on Change**



#### **Bolman & Deal Frames**

Bolman, L. G., & Deal T. E. 2021. Reframing Organizations: Artistry, Choice, and Leadership. 7<sup>th</sup> ed. Wiley.

# A Multi-Frame Model of Organizational Analysis

#### **Structural**

 Emphasis on identifying and improving formal policies and organizational arrangements

### **Political**

 Emphasis on issues of leadership, power, and formal resource allocation and how these can be deployed in support of the intended change

#### **Human Resources**

 Emphasis on addressing the demographics, experiences, needs, and aspirations of the people within the organization

### Symbolic/Cultural Frame

Emphasis on issues of meaning and culture within an organization

# Using the Frames to Suggest Strategic Interventions: Examples

#### Structural

- Creation of department committees/ task forces
- Cross-institutional networks for mutual support and idea exchange
- Analysis, revision, and tracking of tenure and promotion policies

#### Political

- Leadership development for deans, chairs, and committee chairs
- Institution-level committees to analyze, create, & implement policies
- Institutional data-gathering and dissemination to guide decisions & policies

#### Human Resource

- Leadership development and faculty professional development focused on approaches to evaluation
- Mentoring and coaching programs
- Grants to support and provide time for department-level planning and collaboration

#### Symbolic and Cultural

- Publicity and communication
- Events to highlight and share ideas
- Celebrations of progress



## **Brief or Clarifying Questions?**



# Part II- Breakout Discussions: Identifying Strategies for Scaling Change

### 1. Select a Level (Table)

Choose a level/ focus for the change effort you'd like to consider:

- 1- Department
- 2- College/School
- 3- Institution
- 4- National

Join that table!

#### 2. Discuss at Tables

- What is your change?
- What strategies and tools have been/could be effective for scaling at your chosen level?

Identify a reporter who will share a few main take-aways.



## **Part III- Report Out and Debrief**

Your key take-aways: strategies and tools for scaling change at:

- 1. Department level
- 2. College/School level
- 3. Institution level
- 4. National level



## **THANK YOU**



Much more at

TEval.net