Enhancing Teaching for the Public Good

Excellence, Innovation, and Public Engagement

Presentation by

The University Senates Conference

Academic Affairs and Research Committee

A Foundation in Excellence at UIUC

Free Statistical Consulting!
Take advantage of a cooperative initiative between CITL, Tech Services and Scholarly Commons at the Library. The free service is for all faculty and students needing statistical consulting. Appointments available Monday, Tuesday, Wednesday, and Thursday from 12 p.m. to 4 p.m.

LEARN MORE

UIUC Center for Innovation in Teaching and Learning ("CITL")

1. Rich/Creative Learning Environments

2. Training/Assistance Programs

3. Personalized Support

4. Teaching Evaluations/Outcome Assessment

5. Support Online Courses/Programs

Online, Professional and Engaged Learning at UIS

UNIVERSITY OF ILLINOIS SPRINGFIELD

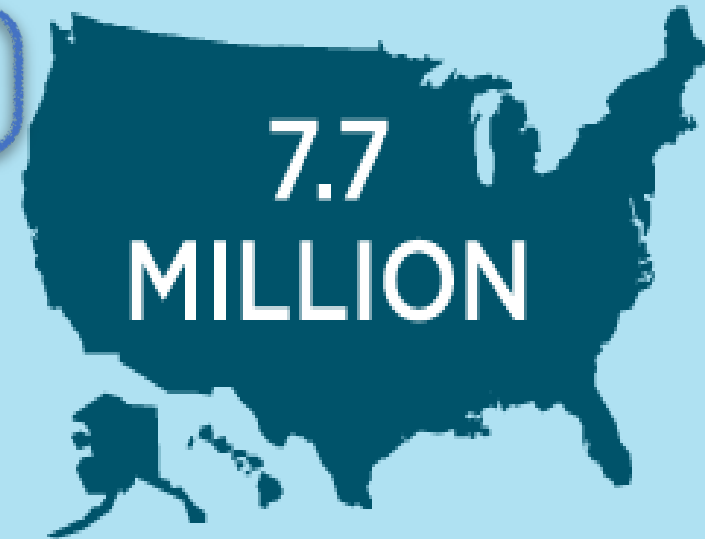Center for Online Learning,
Research and Service (COLRS)
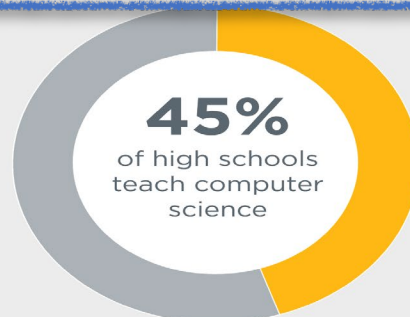
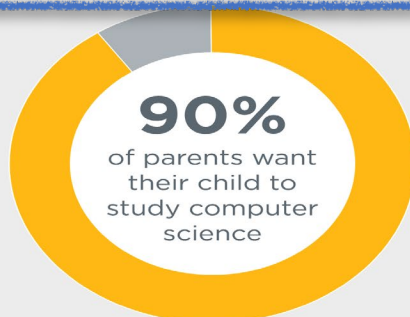Faculty Development
Resource Office (FDRO)

Teaching in a Changing Economy
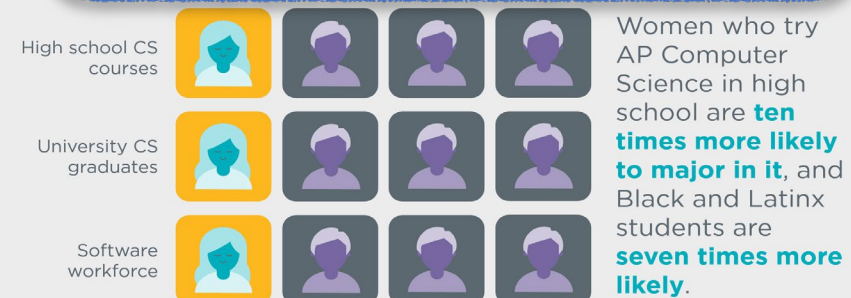
Computing jobs span the economy

According to the U.S. Bureau of Labor Statistics, 3.8 million people in the U.S. work in computing occupations. Yet Change the Equation finds that more than twice as many—7.7 million Americans—say they use computers in complex ways in their jobs. Many of these jobs are in non-STEM fields.

7.7 MILLION

The majority of schools don't teach computer science

90%
of parents want their child to study computer science

45%
of high schools teach computer science

Solving the diversity problem begins in K-12

High school CS courses

University CS graduates

Software workforce

Women who try AP Computer Science in high school are **ten times more likely to major in it**, and Black and Latinx students are **seven times more likely**.

UIUC Steps in to Address the Problem

CS Endorsement Program

(for Teachers Already in Service)

CS Licensure Program

(for Pre-Service Teachers)

Second in state after ISU/NEIU

To be first in state

CS + X: Blended Degrees at UIUC

- Teach concepts from both fields

- Prepare careers in both fields

- Prepare Illinois to lead

Expanding Access On-Line

iMBA

- Promotes affordable access at scale
- Removes obstacles to lifelong learning
- Includes wide array of students
- Creates broad opportunities
- Potential model for other programs

Three New Healthcare Simulation Centers

College of Medicine

College of Nursing

College of Pharmacy

The **Simulation and Integrative Learning Institute** (Photo: Susan Reich)

The **M. Christine Schwartz Experiential Learning and Simulation Laboratory** (Photo: Mark Mershon)

Herbert and Carol Retzky Simulation Center

UNIVERSITY OF ILLINOIS
Hospital & Health Sciences System
— Changing medicine. For good. —

Addressing Environmental Issues

River Restoration and Conservation

Michael Lemke (Biology, Interim Dean, Liberal Arts & Sciences), Keenan Dungey (Chemistry, Associate Vice Chancellor for Research and Institutional Effectiveness)

Environmental Education in Action

Megan Styles (Environmental Science)

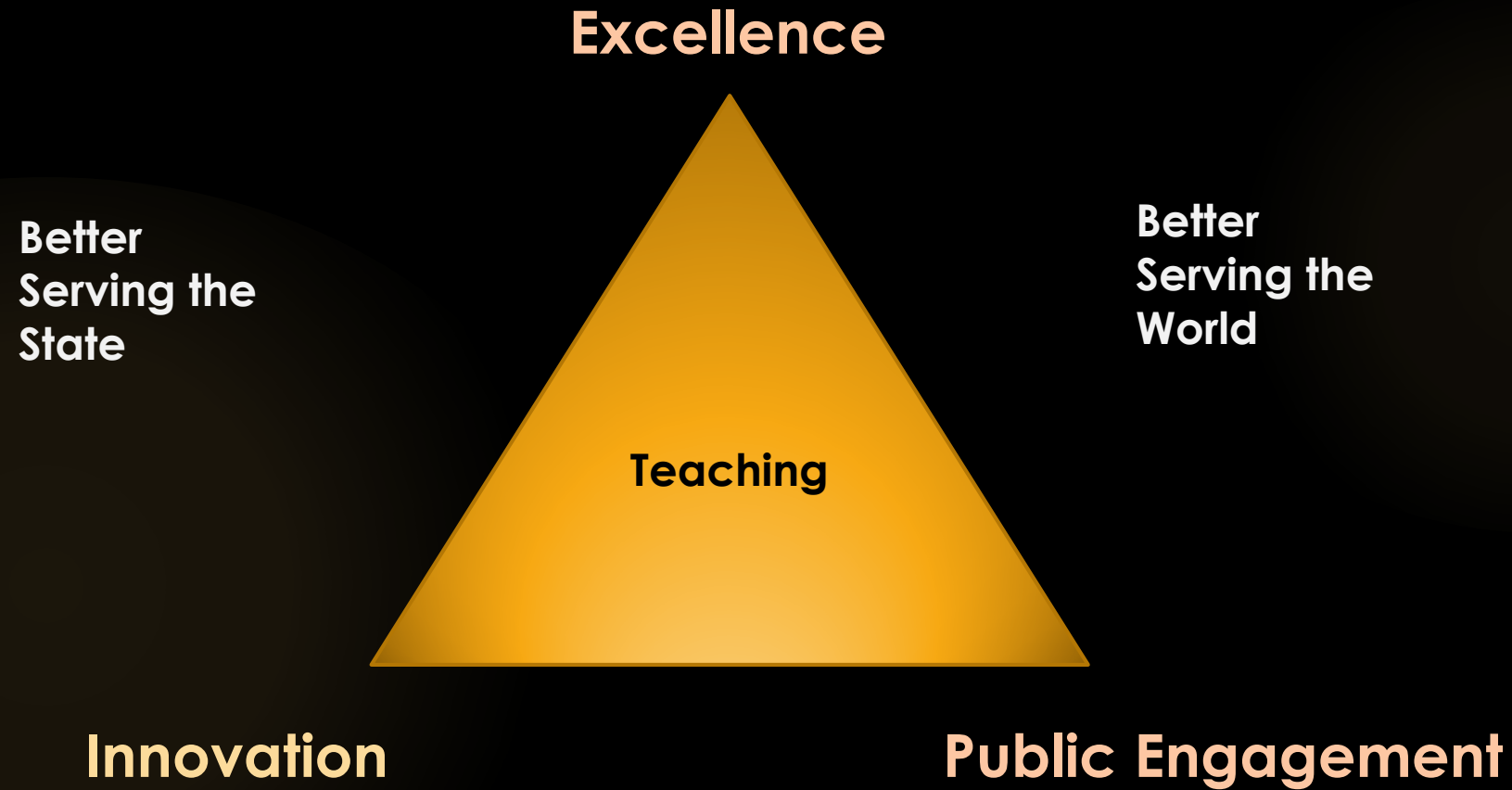# Addressing Environmental Issues

The Confluence Lab

Citizen Science: 30-Minute Litter Walk

Anne-Marie Hanson (Environmental Studies)
Tom Rothfus (Director, UIS Field Stations)

Thank You