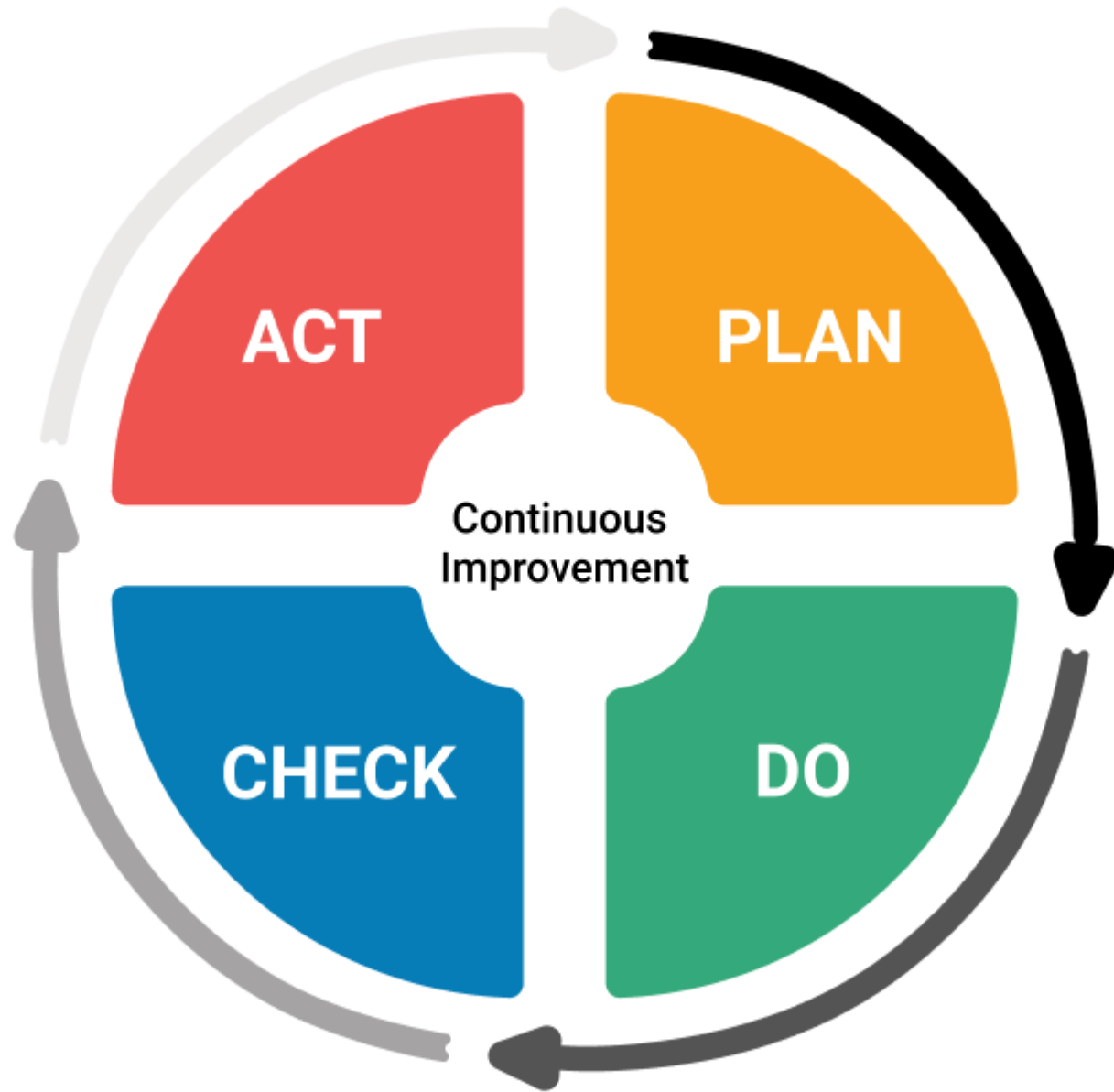


**Brief agenda for 8 Feb 2019; 3-4 pm; NHE 120**  
**HSI STEM Steering Committee**

1. Welcome back & a few announcements (3-3:15)
  - a. Transfer pathways – (fall recap, preview of spring work)
  - b. Math Reform
  - c. Student groups CCAEs
2. Continuous improvement cycle (3:15-3:45)
  - a. PBLC
    - Retreat, Among Giants Dev., SI modifications
    - Collaboration with NAS on films, NAS courses
    - Focus groups
    - End-of-year survey
  - b. HHMI work on inclusive pedagogy & professional development
    - Cultural Humility workshop
    - activities to promote inclusive pedagogy in STEM, activities this spring
3. Budget (3:45-3:50)
  - a. Adjustments
  - b. Summer immersion (move-in, SI food, etc.)





# Intention

- Make PBLCs More Inclusive
  - Culturally
  - Physical Accessibility
  - Academic Preparation
- Optimize Summer Immersion Planning
  - Timeline for implementing changes
  - Finalizing Summer Immersion Itineraries

# Summer Immersion changes for inclusion

- Guest speakers – guidelines for active learning, reaching students where they are
- Wellness & Comfort
- Field
  - Improve prior knowledge of student barriers (questionnaire)
  - Provide adequate supplies and equipment
  - Personal connection; invitations
  - Link content to material that students are familiar with
  - Let students know they don't have to like the field
- Lab
  - Have a well defined script of instructions so that all sections are sharing material the same
  - Start from assumption of no prior experience; assess prior knowledge; align instruction with need
  - Use more modalities
  - Recognize discomforts and define options
  - Experiment failure (variability) is not personal failure
  - Be explicit about expectations and outcomes
  - Instructors need to be knowledgeable of these experiences that may give discomfort to students

# HSU Vision

- We will be the premier center for the interdisciplinary study of the environment and its natural resources.
- We will be a regional center for the arts.
- We will be renowned for social and environmental responsibility and action.
- We believe the key to our common future will be the individual citizen who acts in good conscience and engages in informed action.
- We will commit to increasing our diversity of people and perspectives.
- We will be exemplary partners with our communities, including tribal nations.
- We will be stewards of learning to make a positive difference.

# Collaborative Film Project: NAS, CAIFS, The Range, KCET

1. 10-12 minute introductory film on the history of Native California with a focus on Humboldt and HSU
  2. 10-12 minute film on contemporary peoples with focus on celebrating resiliency and the future of Native communities
- **Steering input: What do you think a learning outcome should be for one or both of these films?**





# Spring PBLC Focus Groups & end-of-yr survey

## Pilot

- Took place Dec 10. Length 2 hours; 6 students, 1 Facilitator (Thank you Edy!), 1 note taker; Helped inform our working group in assessing the quality of questions and methods

## Working group (Thank you ODEI & OIE)

- Details: March 4<sup>th</sup>, current PBLC only, target is 49 (7&7)
- Establish purpose: Gain a better understanding of students experience within PBLC & learn how we can better support our students
- Current themes of questions
  - Resources + Self Agency
  - Community + Emotional Intelligence, Racial Equity
- Analysis
  - Facilitators, transcription, chunking, readers prepare inductive narrative report & recommendation Decide event details
- **Steering input on end of year survey: what key info from 4<sup>th</sup> yr students do we want to gather?**

HHMI work: questions & details contact Amy



*Ucla*

**1. 3/1: Campus visit by our HHMI Inclusive Excellence Peer Group** Focus: Supporting Native American Students/TEK in STEM



**2. John Matsui Visit 3/29.** Focus: Inclusive Excellence in STEM

- View Escala Alumni SOTL project presentations
- Seminar at 11: all of campus is invited
- Note: this is part of the CTL campus Symposium, information to be released soon





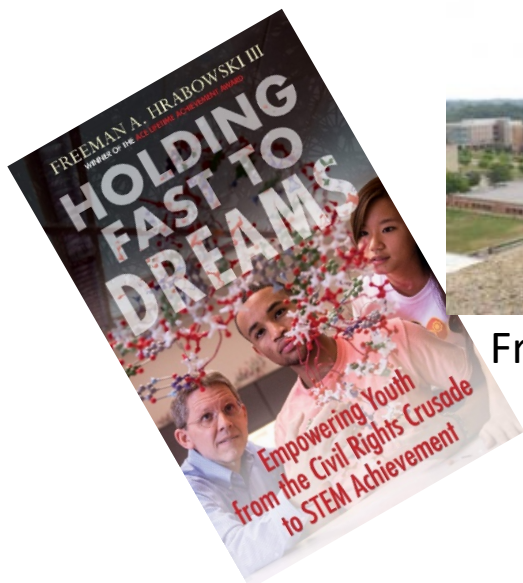
**HHMI work:** questions & details contact Amy

**3. PBLC Faculty Learning Community** Focus: Study of inclusive practices/lessons learned from ESCALA, development of individual teaching plans

- Who: Faculty/staff who have attended Escala + others involved in PBLC, CTL, Dean's Office

#### **4. Escala Cohort 2019**

- Escala has reserved approximately half of the total number of seats offered this summer for HSU (15 of 30).
- Goal: Collaborating with CTL and Escala to identify professional development supports and embed them in CTL so they can be offered to all HSU faculty.



Freeman Hrabowski III

Table 1. Baccalaureate origins of STEM PhDs (2006-2015) among Master's granting institutions (n=660). PhDs per 100 undergraduates, CSU and National Rankings.

Institution	PhDs per 100 UG	Rank	
		CSU	National
Humboldt State Univ.	3.02	1	8
Cal Polytech. State Univ. –San Luis Obispo	2.54	2	11
Cal Polytech. State Univ. – Pomona	0.97	3	19
San Francisco State Univ.	0.93	4	21
San Jose State Univ.	0.82	5	22
California State Univ. – Long Beach	0.80	6	23
California State Univ. – Northridge	0.68	7	24
California State Univ. – Fullerton	0.67	8	25

**Source:** National Science Foundation, National Center for Science and Engineering Statistics, 2015 Survey of Earned Doctorates, special tabulation (April 2017).

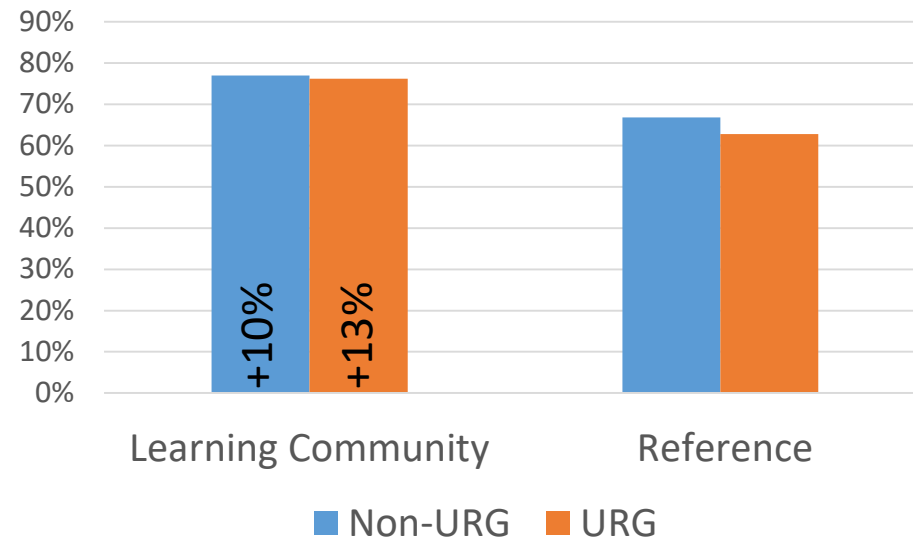


Blake Riggs

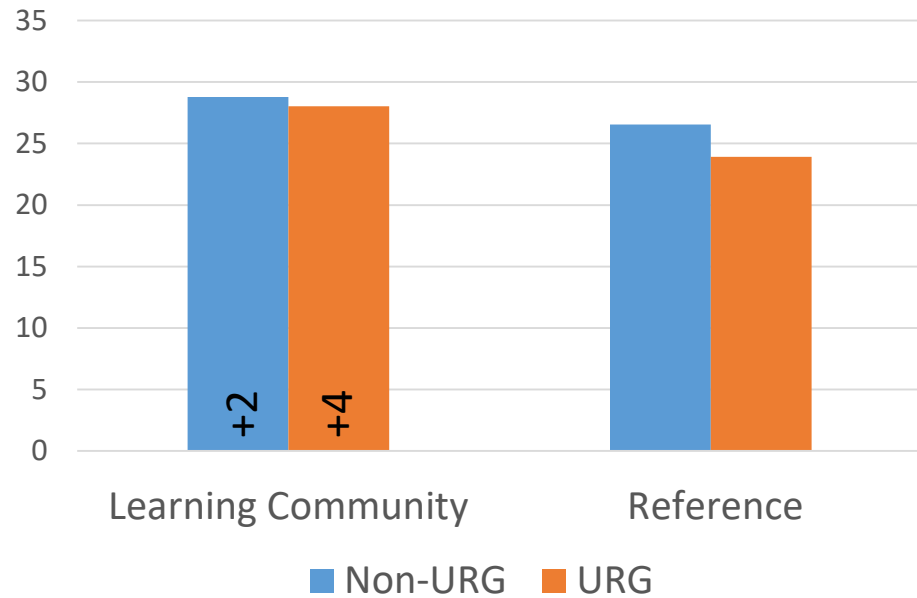
Gains in diversity cannot happen through programs that focus on the few.



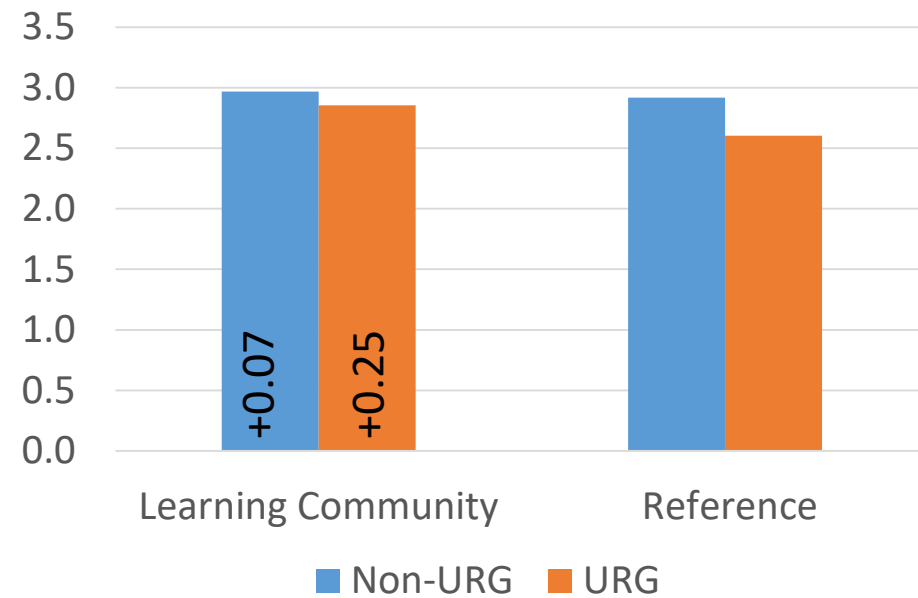
1st year STEM Retention Gap - URG



Units Completed 1<sup>st</sup> year Gap - URG



1st year GPA Gap - URG



# Next meetings – topics to focus on

- Mar 8 – Transfer pathways
- Apr 12
- May 10
- June
- July

## Some Possible topics

Tutoring & Suppl. Inst

Developmental math reform

Meeting students where they are

Scaffolding to 2<sup>nd</sup> yr & beyond

Targeted universalism

Institutionalization

Measuring changes in pedagogy

Other...

**Steering input: what topics do you want us to spend more time on in the coming months?**

