

SAGE 2YC

*Supporting and Advancing
Geoscience Education in
Two-year Colleges*



Faculty as Change Agents: Transforming Geoscience Education in Two-year Colleges 2015 - 2019



This work is supported by the National Science Foundation through grants 1525593, 1524605, 1524623 & 1524800.



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What can it do for us?



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- What is it? (besides a mouthful!)

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Faculty As Change Agents: Transforming Geoscience Education in Two-year Colleges

- What is it? (besides a mouthful!)
- What are the goals?
- People....
- How do I fit in?

What

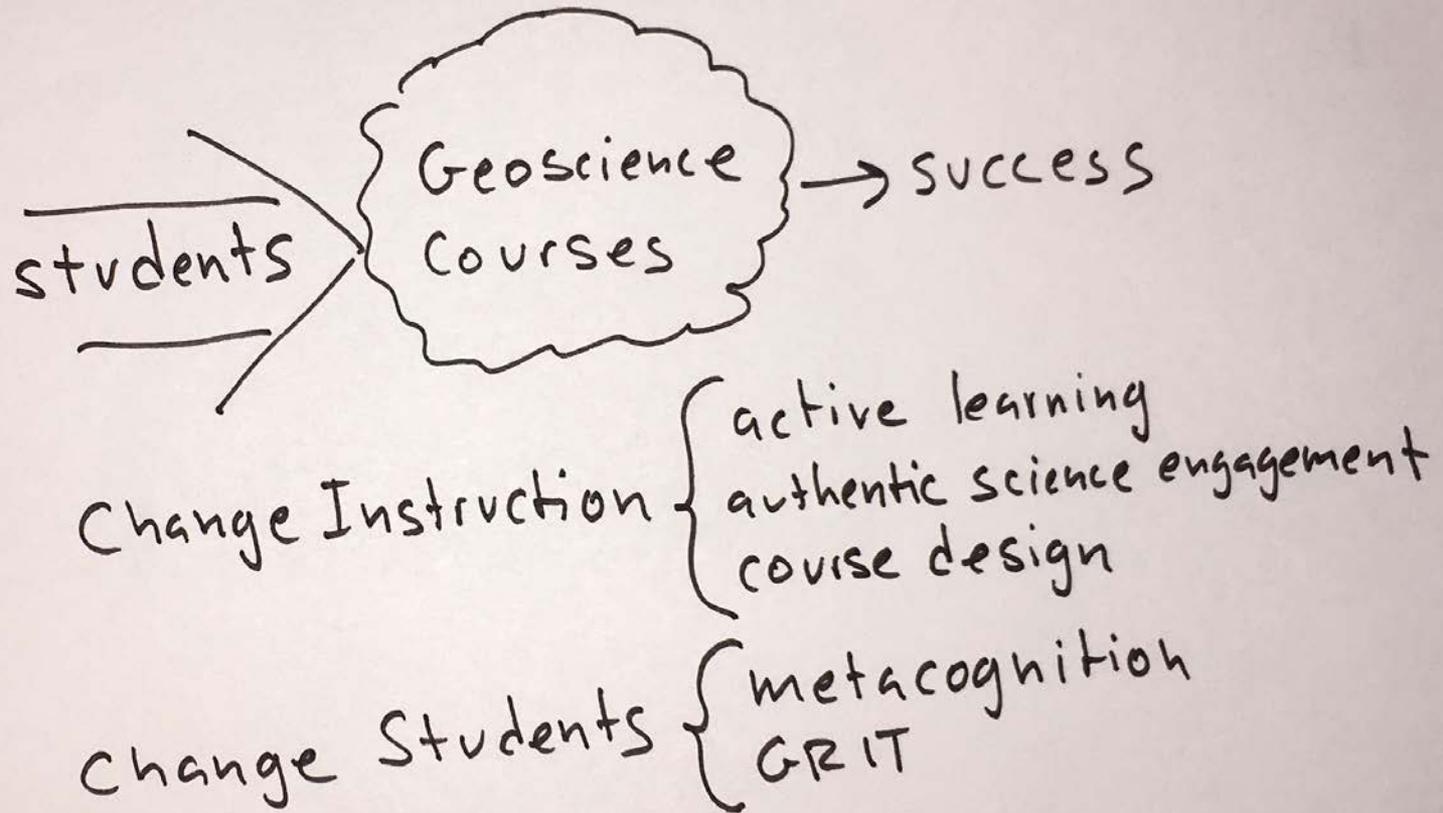
- 4 year NSF supported project to improve geoscience education
- 10 Change Agent Teams (nationwide)
- Teams attend annual national meetings
 - best practices, professional development
- Teams lead regional meetings
 - develop local teaching community, share
- Change - course, institutional, regional levels
- Repeat 4 times
- <http://serc.carleton.edu/sage2yc/index.html>

Summary of Project Goals

- Build a national network of 2YC geoscience instructors who:
 - Support student academic success
 - Broaden participation in the geosciences
 - Facilitate professional pathways
- Investigate models of professional development for 2YC geoscience faculty

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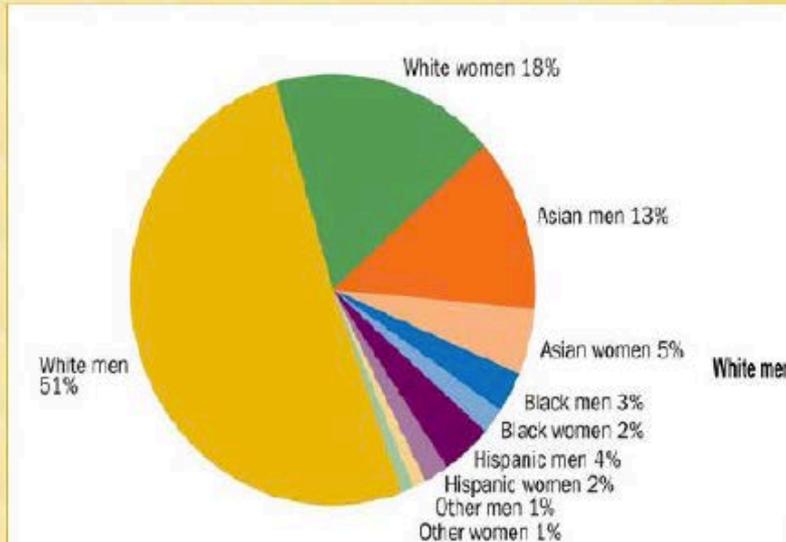


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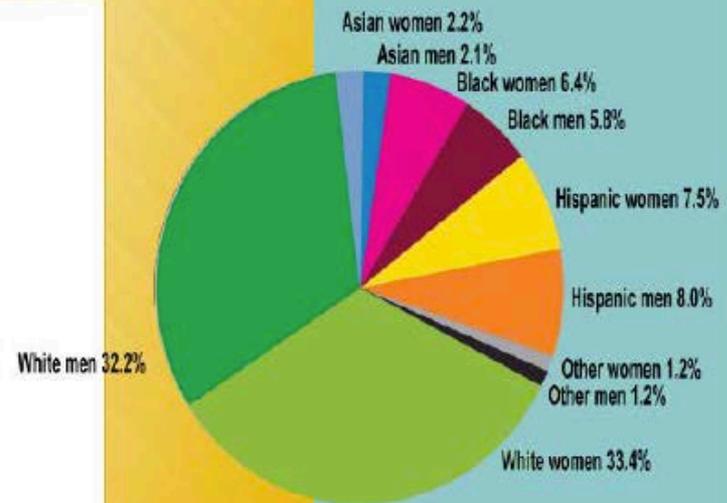
Scientists and engineers working in science and engineering occupations: 2010



NOTE: Hispanic may be any race. Other includes American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, and multiple race.

Women, Minorities, and Persons with Disabilities in Science and Engineering | Arlington, VA | NSF 13-304 | February 2013

Resident population of the United States: 2008

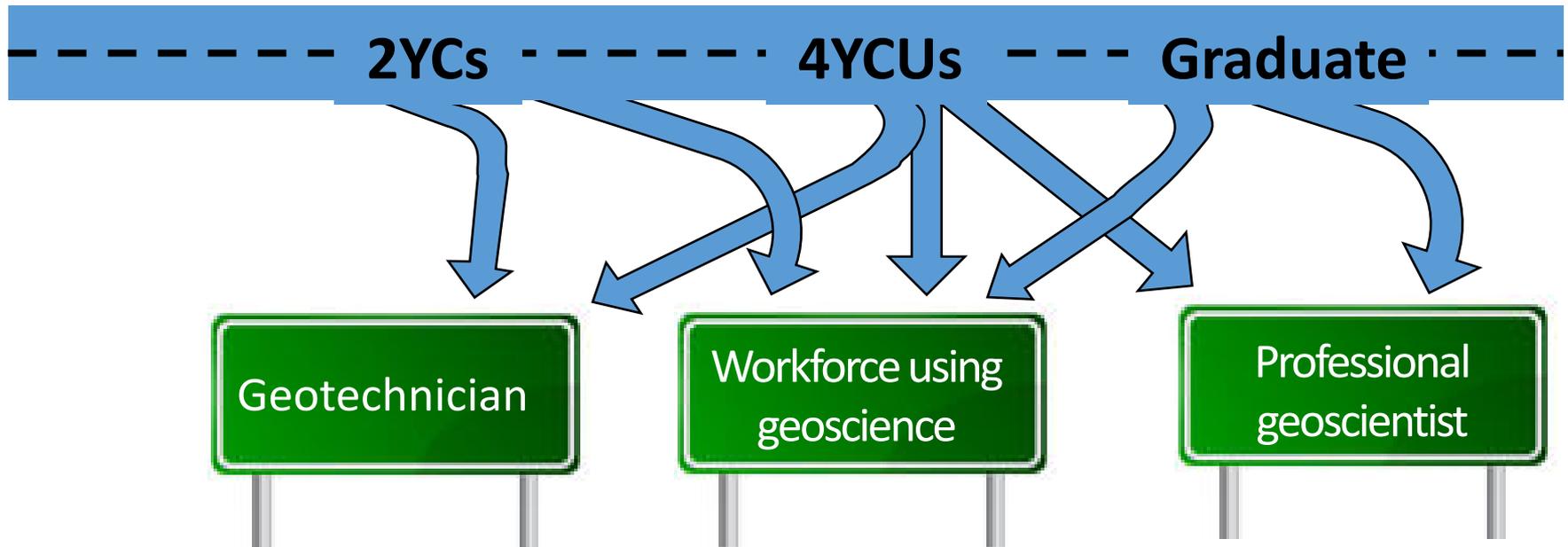


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Facilitating Professional Pathways



Leaders (fearless)



Heather MacDonald
College of William and Mary



Jan Hodder
Oregon Institute of Marine Biology
U of O



Norlene Emerson
University of Wisconsin, Richland



Eric Baer
Highline College, WA

Change Agent Teams (invincible)

Oregon

Daina Hardisty,
Mt. Hood CC
Eriks Puris,
Andy Hilt,
Portland CC-SE
& Rock Creek

Wisconsin

Mel Johnson,
UW-Manitowoc
Keith West, UW-
Marinette

New York

JoAnn Thissen,
Nassau CC
Sean Tvelia,
Suffolk County
CC

California- N

Chris
DiLeonardo,
Bridget James,
De Anza College

Illinois

Cheryl Resnick,
Illinois Central
College
David Voorhees,
Waubensee CC

Virginia

Pete Berquist,
Lynsey LeMay,
Thomas Nelson
CC
Karen Layou,
Reynolds CC

California- S

Elizabeth Nagy-
Shadman,
Pasadena City C
Becca Walker,
Mt. San Antonio
College

Texas

Bryn Benford,
Kristie
Bradford,
Lone Star
College - Univ.
Park & Tomball

Florida

Kristin Mixell,
Annie
Roddenberry,
Debra Woodall,
Daytona State
College

North Carolina

Adrienne
Leinbach,
Gretchen Miller,
Wake Technical
CC

Oregon Team (local)



Daina Hardisty
Mt. Hood CC



Andy Hilt
Portland CC
Rock Creek Campus



Eriks Puris
Portland CC
Southeast Campus

Challenges

Opportunities

Regional Teaching Resources
2YC-4YC Connections
Field Trips
Undergraduate Research
NAGT
Professional Groups AEG
Internships
Community Based Learning
Open Educational Resources
Dual Credit
Guided Pathways
Community Building

Portland Region

Future Meetings?

- 2016
 - MHCC
 - Active Learning Strategies/ Storm water
- 2017
 - PSU?
 - Metacognition/ Transfer 2YC-> 4YC?
- 2018
 - Agency Partner?
 - Broadening Participation?
- 2019
 - Industry Partner?
 - Professional Pathways?



Help Us Plan....

Which of the SAGE 2YC Faculty
As Change Agent Project goals
are most important to you?
(Please rank 1-3, 1= most
important, 3= least important)

RANK	GOAL
	Student Success
	Broadening Participation
	Professional Pathways

What endeavors would you like to see the Oregon SAGE 2YC Faculty as Change Agent team undertake on a regional scale?