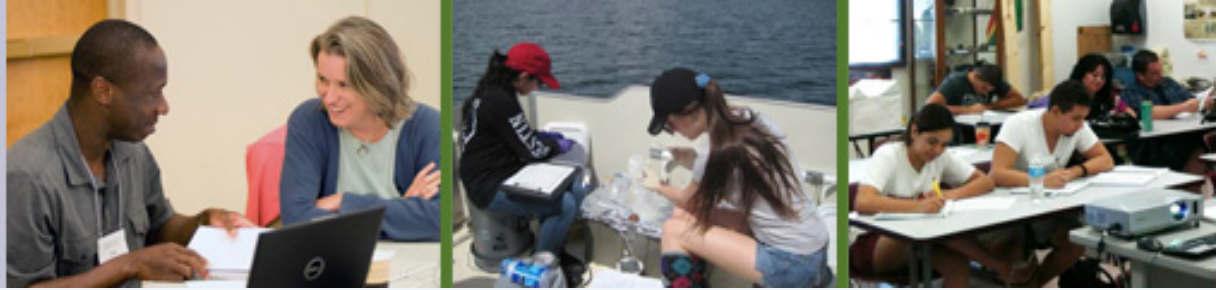


SAGE 2YC

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



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

Introductory meeting



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



Webinar Goals

- Introduce the people involved
- Present project goals, project roles, activities, schedule, finances, evaluation
 - *Time for questions*
- Review project expectations
 - *Time for questions*

Project Leaders



Heather Macdonald
College of William & Mary

Project Leaders



Eric Baer

Highline College, WA

Project Leaders



Norlene Emerson
University of Wisconsin –
Richland

Project Leaders



Jan Hodder

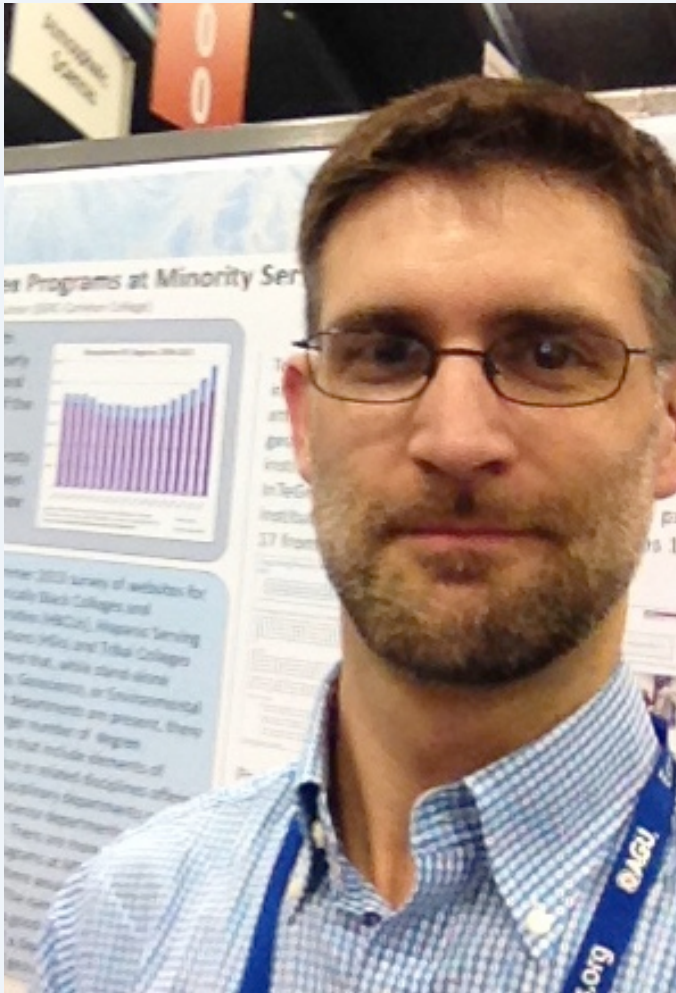
Oregon Institute of Marine
Biology, University of Oregon

Project Coordinator



Carol Ormand
Science Education
Resource Center (SERC),
Carleton College

Website Development & Workshop Support



John McDaris
Science Education
Resource Center (SERC),
Carleton College

Change Agent Teams

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,
Waubonsee 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

Adrianne
Leinbach,
Gretchen Miller,
Wake Technical
CC

Oregon



Daina Hardisty
Mt. Hood CC



Andy Hilt
Portland CC
Rock Creek Campus



Eriks Puris
Portland CC
Southeast Campus

Northern California



Chris DiLeonardo
De Anza College



Bridget James
De Anza College

Southern California



Elizabeth Nagy-Shadman
Pasadena City College



Becca Walker
Mt. San Antonio College

Wisconsin



Melvin Johnson

University of Wisconsin-
Manitowoc



Keith West

University of Wisconsin-
Marinette

Illinois



Cheryl Emerson Resnick
Illinois Central College



David Voorhees
Waubonsee CC

Texas



Bryn Benford
Lone Star College -
University Park Campus



Kristie Bradford
Lone Star College-
Tomball Campus

Florida



Kristin Mixell
Daytona State
College



Annie Roddenberry
Daytona State College



Debra Woodall
Daytona State
College

North Carolina



Adrienne Leinbach
Wake Technical CC



Gretchen Miller
Wake Technical CC

Virginia



Pete Berquist
Thomas Nelson CC



Karen Layou
Reynolds CC

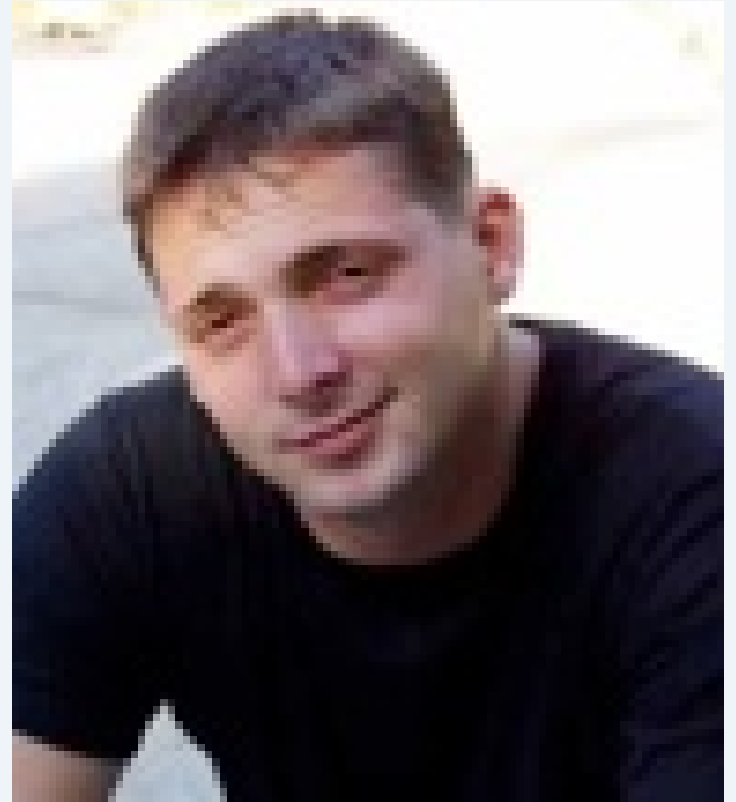


Lynsey LeMay
Thomas Nelson CC

New York



JoAnn Thissen
Nassau CC



Sean Tvelia
Suffolk County CC

Evaluation & Research Team



External Evaluator

Debra Bragg

*Founding director, Office
of Community College
Research & Leadership,
U of Illinois Urbana-
Champaign*



Internal Evaluator

Ellen Iverson

*Director of Evaluation
SERC
Carleton College*



Project Researcher

Pamela Eddy

*Professor of Higher
Education
School of Education,
College of William & Mary*

Other Project Personnel



Christy Bennett
College of William & Mary
Program Administrator



Monica Bruckner
SERC Staff
Evaluation Associate

Advisory Board

- **Carol Brewer**, Professor Emeritus of Biological Sciences, University of Montana, co-chaired the *Vision and Change in Undergraduate Biology* conference
- **Linda Hagedorn**, Associate Dean, College of Human Sciences & Professor in School of Education, Iowa State University; community college student success, engineering transfer
- **Jenny McFarland**, PULSE (*Partnership for Undergraduate Life Sciences Education*) Fellow and Biology Instructor, Edmonds Community College, WA
- **Saundra McGuire**, Emeritus Director of Center for Academic Success, Louisiana State Univ
- **Christopher Mullin**, Assistant Vice Chancellor, Policy & Research, Florida State University System Governing Board, former policy analyst for AACC
- **Mike Muñoz**, Dean of Counseling & Student Success, Rio Hondo College and member of the Board of Directors for the National Community College Hispanic Council
- **Lance Perez**, University of Nebraska, Lincoln, Associate Vice Chancellor, Dean of Graduate Studies
- **Kent Phillippe**, Associate Vice President, Research & Student Success, AACC
- **Eric Riggs**, Assistant Dean, Graduate Affairs & Diversity, College of Geosciences, Texas A&M
- **Katherine Rowell**, Center for Teaching and Learning Director, Sinclair Community College
- **Jeff Ryan**, Chair, School of Geosciences, University of South Florida
- **James Sawyer**, Vice Chancellor of Learning Services & Provost, Macomb Community College, MI
- **Deidre Sullivan**, Director of the Marine Advanced Technology Education (MATE) Center
- **Xueli Wang**, Assistant Professor, Educational Leadership and Policy Analysis, University of Wisconsin-Madison, focus on transfer from 2YC to 4YCU in STEM fields

SAGE 2YC: Faculty as Change Agents
Transforming Geoscience Education in 2YCs

Project Goals

- 1. Build a national network** of self-sustaining local communities of 2YC geoscience faculty and administrators led by a network of 2YC leaders (the **Change Agents**) who catalyze change at multiple levels from their courses and departments to institutions in their local regions and within the community of practice.

SAGE 2YC: Faculty as Change Agents
Transforming Geoscience Education in 2YCs

Project Goals

2. Implement high-impact, evidence-based, instructional and co-curricular practices that:

- support the academic success of all students
- broaden participation
- facilitate professional pathways into geoscience

SAGE 2YC: Faculty as Change Agents
Transforming Geoscience Education in 2YCs

Project Goals

- 3. Investigate models of professional development** for full-time and adjunct 2YC geoscience faculty that promote the cycle of innovation, where faculty learn from the research of others, make changes in their own practice, and share what they have learned with the education community.

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

Project Roles

Pls provide

- Workshops
- Virtual PD activities
- Online tools
- SAGE2YC website
- Mentoring & community support
- Administrator workshops

Change Agents

Change Practices

In and beyond the classroom, to support each of the project goals

Change Agents

Engage in Leadership

Catalyze change in programs and institution, working with colleagues & administrators

Change Agent Teams

Regional Action

Each team organizes and offers programs for geo faculty from 2YCs +/- 4YCU in their region

Project Activities

For Change Agents

Workshops

Ongoing themes

- Supporting students success
- Broadening participation
- Professional pathways (transfer & careers)
- Engaging your partners
- Action planning

Virtual Activities

Professional development and community support

- Webinar series
- Journal clubs
- Discussion groups
- Implementation groups
- Online tools

By Change Agents

On Campus

- Implement changes in your courses
- Work with FT and PT geoscience faculty on course/program changes
- Work with administrators/other units on program changes

In Region

- Organize community network
- Lead workshop following from Change Agent workshops customized for local setting
- Offer follow-on activity

SAGE 2YC web site: <http://serc.carleton.edu/sage2yc/index.html>

Project Activities - Schedule Overview

Project-wide		Change Agents- campus	Change Agents – region
Spring 2016	This webinar Workshop: March 4-6	Meet with admin partners Develop individual and team action plans	Develop a list of 2YC geo faculty in your region
Summer 2016	Workshop (w/admins) June 14-17	Refine and assess action plans	Organize and plan regional workshop
Fall 2016	Virtual activities	Implement action plans Meet w/admin partners	Lead 1 day workshop
Spring 2017/18/19	Virtual activities	Implement and assess action plans	Follow-on activity for regional network
Summer 2017/18/19	Workshops: June 13-16, 2017 June 12-15, 2018 Summer 2019	Develop action plans for the coming year	Organize and plan regional workshop
Fall 2017/18/19	Virtual activities	Implement and assess action plans Meet w/ admin partners	Lead 1 day workshop

Ongoing: evaluation and research activities

Project Finances

Team Stipend: \$9,000/year

Workshop expenses: ~\$500/workshop

Logistics of Payment

Stipend payment will be via a Personal Services Contract from Highline College. Stipends are taxable income.

Team Stipend Payment Schedule

- Fall 2016 - \$6,000 on completion of action plans
- Spring 2017, 2018, 2019 – \$9,000 on completion of action plans, local workshop and follow-on activity, and reports
- Summer 2019 - \$3,000 on completion of final report

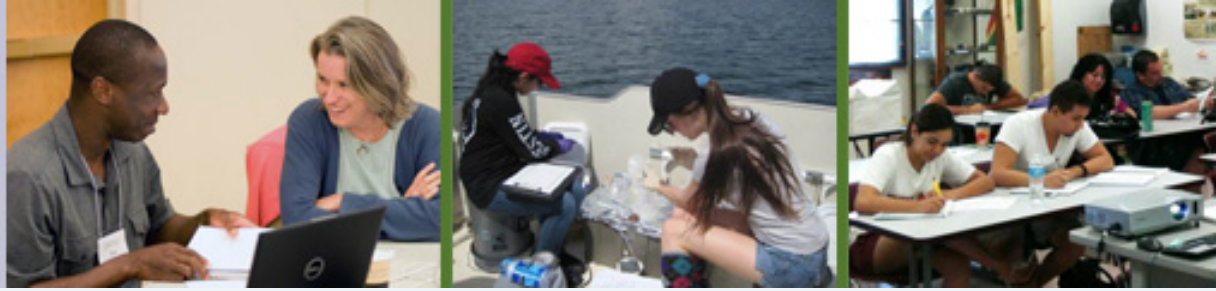
Team stipends will be divided evenly unless arranged otherwise

Evaluation Overview

- **Internal Evaluation:**
 - How do change agents adjust their practice?
 - How does context influence what sticks?
- **External Evaluation:**
 - How does the PD model influence implementation and impact intended outcomes?
 - Does the cycle of innovation impact proposed audiences?
- **Research:**
 - How do the faculty change agents influence institutional change?
 - What changes occur to the community of practice?

SAGE 2YC

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Questions?

Specifics for 2016

January and February

- Teaching observations: RTOP
- Interviews by Evaluation/Research team
- Change Agent Survey
- Register for March workshop

March Change Agent Workshop in Williamsburg, VA

- March 4 – 6 (travel days March 4 and 7)

Expectations after March workshop

- Implement individual action plans
- Develop list of regional 2YC geo faculty (\pm 4YCU faculty)
- Meet with administrator who will attend June workshop

June Change Agent Workshop in Madison, WI

- June 14-17 (travel days June 14 and 18)

Expectations after June workshop

- Implement individual action plans
- As a team: plan and run a one-day regional workshop in the fall

Summary of expectations

A. Participate in all Change Agent workshops

Summary of expectations

- A. Participate in all Change Agent workshops
- B. Participate in at least one virtual Professional Development activity each semester

Summary of expectations

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- B. Participate in at least one virtual Professional Development activity each semester
- C. Develop and implement a plan for improving student success, broadening participation, and strengthening professional pathways in the geosciences at your institution

Summary of expectations

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- B. Participate in at least one virtual Professional Development activity each semester
- C. Develop and implement a plan for improving student success, broadening participation, and strengthening professional pathways in the geosciences at your institution
- D. Work with institutional administrators to make changes at the program and institutional level

Summary of expectations

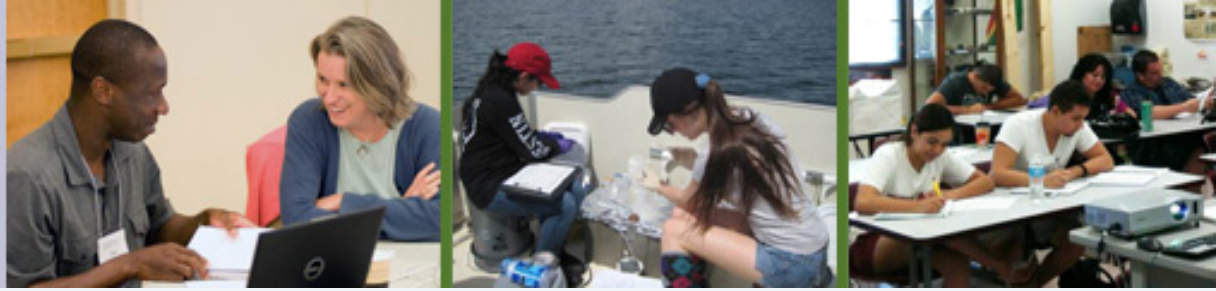
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- E. Co-lead a workshop and follow-on activity each year in your region**

Summary of expectations

- A. Participate in all Change Agent workshops
- B. Participate in at least one virtual Professional Development activity each semester
- C. Develop and implement a plan for improving student success, broadening participation, and strengthening professional pathways in the geosciences at your institution
- D. Work with institutional administrators to make changes at the program and institutional level
- E. Co-lead a workshop and follow-on activity each year in your region
- F. Collect data for and respond to requests from the PIs and evaluation and research team**

SAGE 2YC

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Questions?