

Lisa A. Gilbert

Associate Professor of Geosciences and Marine Science at Williams-Mystic, Williams College
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EDUCATION

- 2004 Ph.D., University of Washington, Oceanography (Marine Geology & Geophysics)
- 1999 M.S., University of Washington, Oceanography (Marine Geology & Geophysics)
- 1997 A.B., Dartmouth College, Earth Sciences with High Honors, Music minor
- 1996 Spring semester, The Maritime Studies Program of Williams College & Mystic Seaport

FACULTY APPOINTMENTS

- 2013 - Associate Professor, Geosciences and Marine Science at Williams-Mystic, Williams College
- 2006-13 Assistant Professor, Geosciences and Marine Science at Williams-Mystic, Williams College
- 2004-06 Marine Scientist at Williams-Mystic, Mystic Seaport
- 2002-03 Visiting Lecturer in Marine Sciences at Williams-Mystic, Mystic Seaport
- 2001-02 Geology Instructor, Highline Community College

COURTESY RESEARCH APPOINTMENTS

- 2018 - Research Associate (courtesy), University of California, Santa Cruz, Earth & Planetary Sciences
- 2018 Visiting Associate Professor (sabbatical), University of Otago, Geology, Dunedin, NZ
- 2017 Visiting Associate Researcher (sabbatical), UCSC Earth & Planetary Sciences
- 2009 Visiting Assistant Professor (Assistant Professor Leave), UCSC Earth & Planetary Sciences

*PEER-REVIEWED PUBLICATIONS (*student)*

Egger, A.E., M.Z. Bruckner, S.J. Birnbaum, and L.A. Gilbert, (2019). Developing effective interdisciplinary curricular materials, *in* Interdisciplinary Teaching about Earth and the Environment for a Sustainable Future Association of Environmental Sciences and Studies Book Series, Springer ISBN: 978-3-030-03272-2, 45-68. DOI: 10.1007/978-3-030-03273-9

Iverson, E., D. Steer, L.A. Gilbert, K. Kastens, K. O'Connell, and C.A. Manduca, (2019). Measuring literacy, attitudes, and capacities to solve societal problems *in* Interdisciplinary Teaching about Earth and the Environment for a Sustainable Future Association of Environmental Sciences and Studies Book Series, Springer, ISBN: 978-3-030-03272-2, 91-119. DOI: 10.1007/978-3-030-03273-9

Gilbert, L.A., D. Gross, and K. Kreutz (2019). Developing undergraduate students' systems thinking skills with an InTeGrate module, *Journal of Geoscience Education*, 67:1, 34-49, DOI: 10.1080/10899995.2018.1529469 – COVER ARTICLE

Gilbert, LA., L. Crispini, P. Tartarotti, and M.L. Bona* (2018). Permeability Structure of the Lava-Dike Transition of 15 My Old Oceanic Crust Formed at the East Pacific Rise, *Geochemistry, Geophysics, Geosystems*, 19(9), 3555-3569. DOI:10.1029/2018GC007696

Gilbert, L.A. and M.L. Bona* (2016). Permeability of Oceanic Crustal Rock Samples from IODP Hole 1256D, *Geochem. Geophys. Geosyst.* 17(9), 3825-3832. doi:10.1002/2016GC006467

Gilbert, L.A., D. Gross, and K. Kruetz (2016). Systems Thinking, *InTeGrate*.
http://serc.carleton.edu/integrate/teaching_materials/syst_thinking/

Gilbert, L.A., J. Ramage, and J. Galster (2014). Natural Hazards and Risks: Hurricanes, *InTeGrate*.
http://serc.carleton.edu/integrate/teaching_materials/hazards/

Schnur, S.R.* and L.A. Gilbert, (2012). Detailed Volcanostratigraphy of an Accreted Seamount: Implications for Intra-plate Seamount Formation, *Geochem. Geophys. Geosyst.*, 13, Q0AM05, doi:10.1029/2012GC004301.

Gilbert, L.A., J. Stempien, D. McConnell, D. Budd, K. van der Hoeven Kraft, A. Bykerk-Kauffman, M. Jones, C. Knight, R. Matheny, D. Perkins, and K. Wirth (2012). Not Just "Rocks for Jocks": Who Are Introductory Geology Students and Why Are They Here?, *Journal of Geoscience Education*, 60(4), 360-371.

Gilbert, L.A. and M. H. Salisbury (2011). Oceanic Crustal Velocities from Laboratory and Logging Measurements of Integrated Ocean Drilling Program Hole 1256D, *Geochem. Geophys. Geosyst.*, 12, Q09001, doi:10.1029/2011GC003750.

Swift, S., M. Reichow, A. Tikku, M. Tominaga, and L. Gilbert (2008). Velocity Structure of Upper Ocean Crust at Ocean Drilling Program Site 1256, *Geochem. Geophys. Geosyst.*, 9, Q10O13, doi:10.1029/2008GC002188.

Gilbert, L.A., and A. Burke* (2008). Depth-Shifting Cores Incompletely Recovered from the Upper Oceanic Crust, IODP Hole 1256D, *Geochem. Geophys. Geosyst.*, 9, Q08O11, doi:10.1029/2008GC002010.

Gilbert, L.A., R.E. McDuff, and H.P. Johnson (2007). Porosity of the Upper Edifice of Axial Seamount, *Geology*, 35(1), 49-52 and 35(4), 384, doi: 10.1130/G22892A.1.

Wilson, D.S., D.A.H. Teagle, J.C. Alt, N.R. Banerjee, S. Umino, S. Miyashita, G.D. Acton, R. Anma, S.R. Barr, A. Belghoul, J. Carlut, D.M. Christie, R.M. Coggon, K.M. Cooper, C. Cordier, L. Crispini, S.R. Durand, F. Einaudi, L. Galli, Y. Gao, J. Geldmacher, L.A. Gilbert, N.W. Hayman, E. Herrero-Bervera, N. Hirano, S. Holter, S. Ingle, S. Jiang, U. Kalberkamp, M. Kerneklian, J. Koepke, C. Laverne, H.L. Lledo Vasquez, J. Maclennan, S. Morgan, N. Neo, H.J. Nichols, S.-H. Park, M.K. Reichow, T. Sakuyama, T. Sano, R. Sandwell, B. Scheibner, C.E. Smith-Duque, S.A. Swift, P. Tartarotti, A.A. Tikku, M. Tominaga, E.A. Veloso, T. Yamasaki, S. Yamazaki, and C. Ziegler (2006). Drilling to Gabbro in Intact Ocean Crust, *Science*, 312 (5776), 1016-1020, doi: 10.1126/science.1126090.

Gilbert, L.A. and H.P. Johnson (1999). Direct Measurements of Oceanic Crustal Density at the Northern Juan de Fuca Ridge, *Geophys. Res. Lett.*, 26(24), 3633-3636.

*PUBLISHED ABSTRACTS last 5 years (*student)*

Nagy-Shadman, E. and L. Gilbert (2019). Geoscience Literacy and Career Interest Improve Among Two-Year College Students Learning with InTeGrate Materials, *Earth Educators' Rendezvous*.

Gragg, R.D.S., E. Iverson, H. Brethauer-Gay, J. Warford, L. Gilbert, K. Sheriff, and C. Manduca, (2019). Impact of InTeGrate Teaching Materials on Student Geoscience Interests, Literacy and Learning Outcomes at Historically Black Colleges and Universities, *Earth Educators' Rendezvous*.

Hung, C.*, L.A. Gilbert, and R.A. Wobus, (2019). Metamorphic processes recorded in delaminated metabasalts preserved on South Island, New Zealand, *Geological Society of America Northeast Section Abstracts with Program*.

Gilbert, L.A., (2019). Beyond cause-and-effect: teaching students to think in systems, *Geological Society of America Northeast Section Abstracts with Programs*.

Manduca, C.A., L.A. Gilbert, R.S. Gragg, E.A.R. Iverson, R.H. Macdonald, D.A. McConnell, and D. Steer, (2018). Community-Based Research Teams: Examples from On the Cutting Edge and InTeGrate Projects, *American Geophysical Union Fall Meeting*.

Manduca, C., D. Blockstein, T. Bralower, F. Davis, D. Doser, A. Egger, S. Fox, L. Gilbert, D. Gosselin, R. Gragg, E. Iverson, K. Kastens, D. McConnell, E. Nagy-Shadman, C.J. Orr, D. Steer, and J. Taber, (2018). InTeGrate: Interdisciplinary Teaching about the Earth for a Sustainable Future, EOS16/HS1.14, *European Geophysical Union, EGU2018-11029*.

McCauley, E.Q.*, M.R. Suslovic*, J.L. Swartz*, C. Hung*, and L.A. Gilbert (2017). An inundation model of Barn Island Salt Marsh, Connecticut, *AGU Virtual Poster Showcase Fall 2017*.

Hung, C.*, L.A. Gilbert, E.Q. McCauley*, M.R. Suslovic*, J.L. Swartz*, and M.E. Weiner* (2017). An Integrated Approach to Erosional Processes at a New England Salt Marsh, *Geological Society of America Abstracts with Programs*.

Gilbert, L.A., E. Iverson, K.A. Kastens, A. Awad, E.Q. McCauley*, J.L. Caulkins, D.N Steer, C.D Czajka, D.A. McConnell, and C.A. Manduca (2017). Explicit Focus on Systems Thinking in InTeGrate Materials Yield Improved Student Performance, *Geological Society of America Abstracts with Programs*.

LeMay, L.E., R.W. Dunbar, S.C. Ebanks, L.A. Gilbert, R.H. Macdonald, C.J. Ormand, C. Riihimaki, and G.S. Weissmann (2017). *Preparing for an Academic Career in the Geosciences Workshop: A Success of the On-the-Cutting-Edge Program*, *Geological Society of America Abstracts with Programs*.

Egger, A.E., S.P. Fox, J.R. McDaris, and L.A. Gilbert (2017). Facilitating Three-Dimensional Learning With Adaptable, Searchable, NGSS-Aligned Curricular Materials from InTeGrate, *Geological Society of America Abstracts with Programs*.

Iverson, E., L.A. Gilbert, D. Steer, S. Birnbaum, C.A. Manduca (2016). Assessing Student Learning about the Earth through the InTeGrate Project, *American Geophysical Union Fall Meeting*.

Gilbert, L.A., E. Marin-Spiotta, L. LeMay, D.E Reed, A.R. Desai, and R. H. Macdonald (2016). A new Model for the Preparing for an Academic Career in the Geosciences Workshop, *American Geophysical Union Fall Meeting*.

Gilbert, L.A., K. Kruetz, and D. Gross (2016). What is a System? *Earth Educators Rendezvous*.

Fontana, E., L.A. Gilbert, N. Marinoni, and P. Tartarotti (2015). How concentration of porosity, crack shape, and crack wall asperity control the seismic structure of the upper oceanic crust, *American Geophysical Union Fall Meeting*.

Weinier, M.E.* and L.A. Gilbert (2015). Characteristics of a resilient New England salt marsh, *Geological Society of America Annual Meeting*, 120-3.

Gilbert, L.A., K. Kruetz, and D. Gross (2015). Earth Systems Thinking: An InTeGrate Module That Can Be Used In Any Course, *Earth Educators Rendezvous*.

Gilbert, L.A., S. Schnur*, K.P. Enright*, A.V. McGillis*, and S.A. Soule (2014). A comparison of oceanic crust permeability at the outcrop, hand sample and thin section scales, *American Geophysical Union Fall Meeting*, V21A- 4673.

Enright, K.P.* , L.A. Gilbert, and A.V. McGillis* (2014). Sustainable Agriculture as a Recruitment Tool for Geoscience Majors, *American Geophysical Union Fall Meeting*, ED34C-11.

McGillis, A.V.* , L.A. Gilbert, and K.P. Enright* (2014). Laurentide: The Crime Fighting Geologist, A Comic-Book Curriculum Tool, *American Geophysical Union Fall Meeting*, ED34C-03.

Weiner, M.E.* , L.A. Gilbert, C.L. Alves, P.A. Poole* , and S. Schleicher* (2014). A Salt Marsh Erosion Model: Interplay Between Biotic and Physical Factors at the Seaward Edge, *American Geophysical Union Fall Meeting*, B13H-0294.

van der Hoeven Kraft, K., L.A. Gilbert, M.H. Jones, and J.C. Hilpert (2014). Examining the roles of instructor pedagogy and student motivation and self-regulation on student learning, *National Association for Research in Science Teaching Annual International Conference*.

UNDERGRADUATE THESIS STUDENTS SUPERVISED

2016-19 Caroline Hung (Williams '19). The Tectonic Origin and Alteration History of Metabasalts Preserved on South Island, New Zealand *Bud Wobus was second advisor*. Now Ph.D. student at UC Riverside.

2014-16 Molly Weiner S14 (U. Rochester '16). Biotic stabilization of Barn Island Marsh. Now Community Affairs Coordinator at Morgan Stanley.

2012-13 Miranda Bona (Williams '13). Evolution and distribution of permeability in upper oceanic crust, IODP Hole 1256D. *Bud Wobus was second advisor*. Now Geologist at Amec Foster Wheeler.

2008-09 Henry (Ted) Kernan F06 (Williams '09). Focused Hydrothermal Flow in the Abitibi Greenstone Belt. *Co-advisor with Bud Wobus*. Continued on to Colorado School of Mines M.S., now founder of WellLogData.

2007-08 Nicole Kuenzel (Coastal Carolina University '08). Influences on seismic velocities of the ocean crust. Continued on to University of New Hampshire M.S., now Geoscientist at C & C Technologies.

2006-07 Susan Schnur F06 (Carleton College '07). Nicasio Reservoir Terrane, California. *Cam Davidson was second advisor*. Continued on to ETH Zurich M.S. and Oregon State University Ph.D., now Geology Publications Editor for the State of Washington.

POSTDOCTORAL RESEARCH SUPERVISED

2013-14

Dr. Emanuele Fontana, InterRIDGE visiting postdoctoral scholar, University of Milan.
Project: Crack asperity preserved in an ophiolite, Cyprus. *Co-supervised with Paola Tartarotti*

SUMMER RESEARCH STUDENTS SUPERVISED
(# STEM major other than geosciences; ** non-STEM major)

2019 Julia Ward, Williams '21; Chrystalls Beach Complex density and porosity
2019 Caroline Hung '19; Chrystalls Beach Complex hydrothermal alteration
2019 Erin Meadors#, Williams '20; Barn Island Marsh foraminiferal assemblages
2019 Lindsay Fox, Sewanee '20; Barn Island Marsh nutrient feedbacks
2019 Sophia Stouse, Smith '20; Barn Island Marsh dynamic salinity
2018 Caroline Hung, Williams '19; Chrystalls Beach Formation metabasalts, NZ
2017 Meghan Suslovic# F16, Smith '18; Sea level rise and Barn Island Marsh
2017 Jason Swartz# S17, McDaniel '18; Barn Island Marsh biotic stability
2017 Caroline Hung, Williams '19; Barn Island Marsh erosion
2017 Emma McCauley# S17, SUNY Stony Brook '18; Barn Island Marsh GIS mapping
2016 Caroline Hung, Williams '19; Barn Island Marsh monitoring; IODP 1256D
2016 Charley Weyser** F15, Williams '17; Ocean affect
2016 Alexandra McInturf# S14, Williams '15; *Morgan 38th* Voyage science logs
2015 Molly Weiner S14, University of Rochester '16; Marsh stability models
2015 Alana McGillis F13, Smith College '15; geology comic book development
2014 Molly Weiner S14, University of Rochester '16; Mapping marsh stability
2014 Katherine Enright, Wesleyan '15; Talcott basalt permeability; outreach through farms
2014 Alana McGillis F13, Smith '15; Talcott petrography; comic book outreach
2013 Caroline Gregory S13, Hamilton '14; UBI images, IODP Hole 1256D
2012 Miranda Bona, Williams '13; IODP Hole 1256D visual permeability
2012 Bryce Mitsunaga, Williams '13; Walvis Ridge physical properties
2011 Elizabeth Moncure# S10, Smith '11; Barn Island Marsh data analysis
2011 Harley Stevens** S11, UConn '12; Barn Island Marsh survey
2011 Herrick Sullivan** S11, Williams '13; Barn Island Marsh survey
2010 Erin Dlabola, Juniata '11; Barn Island Marsh sediment analysis
2010 Abigail Martin# F08, Williams '11; Barn Island marsh plant succession
2010 Susan Schnur F06, ETH M.S. student; LIDAR image analysis
2009 Kimberly Elson F07, Carleton '10; Mapping the Nicasio Reservoir Terrane
2009 Nicole Kuenzel, UNH M.S. student; Ocean provinces
2009 Susan Schnur F06, ETH M.S. student; Seamount formation models
2008 Lauren Anderson, Lehigh '09; Keck Abitibi Nitrogen isotopes
2008 Stefanie Gugolz, Beloit '09; Keck Abitibi pillow rim alteration
2008 Henry (Ted) Kernan F06, Williams '09; Keck Abitibi hydrothermal maps
2008 Adrienne Love, Trinity '09; Keck Abitibi outcrop porosity
2008 Lisa Smith, Amherst '09; Keck Abitibi vesicles
2008 Karen Tekverk, Haverford '09; Keck Abitibi folding and metasomatism
2008 Kimberly Elson F07, Carleton '10; Mapping the Blake River Group
2008 Amanda Nicholas** S08, Florida '08; Oceanic crust velocity data
2008 Ellie Wawrsazcek** S08, Williams '10; Velocity meter test measurements
2007 Nicole Kuenzel, Coastal Carolina '08; IODP basalt physical properties
2007 Danielle Kerper, Harvard '08; Abitibi greenstone inter-pillow porosity
2006 Susan Schnur F06, Carleton '07; Nicasio Reservoir Terrane sampling
2006 Andrea Burke S04, Williams '06; Using MATLAB for core-log integration

PART-TIME LAB ASSISTANTS SUPERVISED
 (# STEM major other than geosciences; ** non-STEM major)

2019 Dayana Manrique S19, Williams '21; Origins of the Pacific pumice plume
 2019 Kylie Weigle# S19, Stockton '18; Origins of the Pacific pumice plume
 2019 Dionna Jenkins** F18, Smith '20; Under-represented minority faculty survey
 2018 Lily Wilson** F18, Colby '20; Magnetic susceptibility of seafloor volcanics
 2018 Erikka Olson, Williams '19; Dunedin Volcanic Group (in New Zealand)
 2017 Muriel Leung# S17, UPenn '18; Permeability analysis, IODP Hole 1256D
 2017 Nicholas Mitch** S17, Bowdoin '18; Permeability analysis, IODP Hole 1256D
 2016 Peter Baughmann** F16; Image analysis of fractures, IODP Hole 1256D
 2016 Marlo Stein S16, Smith '17; Image analysis of fractures, IODP Hole 1256D
 2015 Miaoru Guan F15, Williams '17; Walvis Ridge physical properties
 2015 Kathleen Swoap# F15, Williams '17; Walvis Ridge physical properties
 2015 Cody Remillard F15, Williams '15; Walvis Ridge sample imaging
 2015 Lindsey Precht#, Williams '15; *Morgan* 38th Voyage data processing
 2015 Luis Urrea S15, Williams '16; Clays and permeability, IODP Hole 1256D
 2015 Kaitlyn Klema S15, Smith '16; Clays and permeability, IODP Hole 1256D
 2014 Caroline Atwood F14, Williams '16; Permeability of IODP Hole 1256D
 2014 Caroline White-Nockleby F14, Williams '16; Geoscience systems thinking
 2014 Amanda Ketting-Olivier S14, Mt San Antonio '14; Walvis porosities
 2014 Alana McGillis F13, Smith '15; Walvis ridge sample velocities
 2013 Caroline Gregory S13, Hamilton '14; Sample/image permeability
 2013 Gabriela Serrato Marks F13, Bowdoin '15; Walvis permeability
 2012 Michael Semensi# F12, Williams '13; Walvis Ridge mini-core volumes
 2012 Connor Dempsey# S12, Williams '13; Permeability of IODP Hole 1256D
 2012 Grace LaPier# S12, Williams '13; Permeability of IODP Hole 1256D
 2011 Nuria Clodius# F11, Mt Holyoke '13; Barn Island Marsh rhizomes
 2011 Zara Currimjee# F11, Williams '13; Barn Island Marsh rhizomes
 2011 Charu Sharma# F11, Mt Holyoke '13; Permeability of IODP Hole 1256D
 2011 Daniel Gross# S11, Williams '12; A method for determining permeability
 2011 Justina Khuu# S11 Bryn Mawr '12; Image analysis, dike microstructures
 2011 Anna Szymanski# S11, Williams '12; Barn Island Marsh sand horizons
 2010 Margaret DeOliveria# F10, Moravian '13; Barn Island marsh rhizomes
 2010 Jessica Johnson# S10, Tufts '11; Physical properties of Black Gap basalts
 2010 Elizabeth Moncure# S10, Smith '11; Image analysis of vesicular basalts
 2009 Katelyn Gerech# S09, Smith '10; Automatic visual porosity estimation
 2008 Rebecca Gilbert S08, Williams '10; Ultrasonic velocity meter apparatus
 2008 Allie Goldberg F08, Williams '10; A comparison of pillow vesicularity
 2008 Daniel McCune# F08, Amherst '09; AGB sample preparation and velocity
 2008 Rachel Neurath S08, Smith '09; Porosity of Hole 1256D mini-cores
 2007 Kimberly Elson F07, Carleton '10; Porosity of Hole 1256D mini-cubes
 2007 Emily Flynn** F07, Williams '09; Porosity of Hole 1256D mini-cubes
 2007 Sunmi Yang# S07, Williams '08; Pycnometry of deep drilled samples
 2006 Carrie Keogh# F06, Emory '08; Synthesis of DSDP and ODP lavas drilled
 2006 Susan Schnur F06, Carleton '07; Pycnometer calibration
 2006 Brooke Adams S06**, Vassar '08; Sample prep, IODP 1256D
 2006 Max Fowler Cohen S06**, Colby '09; Sample prep, IODP 1256D

RECENT WORKSHOPS LED

Pathways to performance expectations using InTeGrate materials, co-led with Anne Egger (Central Washington U.) and Kathryn Baldwin (Eastern Washington U.), *InTeGrate* Webinar, November 16, 2018.

Engaging Students in Understanding the Earth System as it Intertwines with Key Societal Issues: A workshop for high school teachers, *Goldschmidt 2018*, Boston, MA, August 16, 2018.

Engaging Students in Understanding the Earth System as it Intertwines with Key Societal Issues: A workshop for K-8 teachers, co-led with Peter Berquist (Thomas Nelson CC), *Goldschmidt 2018*, Boston, MA, August 14, 2018.

Preparing for an Academic Career, co-led with Sue Ebanks (Savannah State U.), Lynsey LeMay (Thomas Nelson CC), Catherine Riihimaki (Princeton), and Gary Weissmann (U. New Mexico), *Earth Educators' Rendezvous*, Lawrence, KS, July 16-18, 2018.

Using Conceptual Frameworks of Earth Systems to Frame Future Directions in Systems Thinking Research, co-led with Hannah Scherer (Virginia Tech), *Earth Educators' Rendezvous*, Lawrence, KS, July 19-20, 2018.

InTeGrate 101: How to incorporate InTeGrate classroom materials into your courses, co-led with Elizabeth Nagy-Shadman (Pasadena CC) and; Lisa Doner (Plymouth State), *InTeGrate* Webinar, December 8, 2017.

Fostering Systems Thinking in Your Students, *InTeGrate* Webinar, March 22, 2017.

Preparing for an Academic Career, co-led with Ankur Desai (U. Wisconsin), Lynsey LeMay (Thomas Nelson CC), Erika Marin-Spiotta (U. Wisconsin), and David Reed (U. Wisconsin), *Earth Educators' Rendezvous*, Madison, WI, July 18-20, 2016.

Does it Take Two to Tango? Interdisciplinary Teaching Solo and in Teams, co-led with Catherine Riihimaki (Princeton), *Earth Educators' Rendezvous*, Madison, WI, July 20, 2016.

Teaching about Natural Hazards and Risks, co-led with Laurel Goodell (Princeton) and Tim Bralower (Penn State), *InTeGrate* Webinar, August 31, 2016.

Teaching Geoscience in Society: Building Relevance and Interest in the Geosciences by Adding InTeGrate Resources to Your Class, co-led with Rachel Teasdale (CSU Chico), *American Geophysical Union Fall Meeting*, San Francisco, CA, December 15, 2015.

Science on the *Morgan*: An interdisciplinary professional development workshop for middle school teachers, *Mystic Seaport for Educators*, October 5, 2015.

Teaching with InTeGrate materials in a 2YC environment: Natural Hazards and Risks, workshop presenter, *Earth Educators Rendezvous*, Boulder, CO, July 15, 2015.

Introduction to InTeGrate Modules: Hands-on, data-rich, and socially relevant geoscience activities, co-led with Elizabeth Nagy-Shadman (Pasadena CC), Cynthia Fadem (Earlham), David McConnell (NC State), Pamela McMullin-Messier (Central Washington), *InTeGrate* Webinar, April 10, 2015.