

SASKIA L. VAN DE GEVEL

Department of Geography and Planning
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PROFESSIONAL SUMMARY

Appalachian State University

1. Professor in the Department of Geography and Planning
2. National Geographic Society - Geography Steward of North Carolina
3. Awarded a Board of Governors Appalachian State University Campus Excellence in Teaching Award and nominated for four other teaching awards
4. Taught over 1,000 students and mentored five graduate research students and five undergraduate research students (published with multiple student authors)
5. Grants Funded: Over \$900,000 dollars as PI or Co-PI (\$400,000 towards K-16 education efforts)

EDUCATION

- Ph.D. Geography, The University of Tennessee, Knoxville, Tennessee. 2008.
Dissertation title: *Landscape-level dynamics in an endangered mountain ecosystem in the Northern Rocky Mountains, U.S.A.*
- M.S. Forest Ecology, Southern Illinois University, Carbondale, Illinois. 2002.
Thesis title: *The influence of land-use history on the forest development of the Illinois Ozark Hills.*
Study Abroad Course: *Forest Ecology in Ireland National Parks* - June 2001
- B.S. Forest Science - Forest Management Specialty, Pennsylvania State University, University Park, Pennsylvania. 2000.
Study Abroad Course: *Forest Management Practices in Bavaria, Germany* - May 1999

TEACHING AND RESEARCH APPOINTMENTS

Appalachian State University – Department of Geography and Planning August 2008 – Currently
Professor

Courses Developed:

- Global Change of the Biosphere and 10 labs - Ghy 1012
- Ecoregions and Dynamic Landforms and 10 labs - Ghy 3110
- Professional Development in Geography and Planning Careers – Ghy/Pln 4830
- Study Abroad Course - Biogeography of Costa Rica – Ghy 3530
- Study Abroad Course - Biogeography of the Bavarian and Austrian Alps – Ghy 3530
- Graduate Seminar - Grant Writing in Natural Resources – Ghy 5100

Leadership Roles:

- **Department of Geography and Planning:** Facilitated Undergraduate Course Renovation, Chair of the Speaker Series, Chair of the Curriculum Committee, Co-Coordinator of the Department Facebook Page, Graduate Program Committee, Department Program Committee

- **College of Arts and Sciences:** Dean's Advisory Board, Member of the College of Arts and Sciences Council, Environmental Science Program Committee
- **Appalachian State University:** Appalachian Leadership Development Program, At-Large Faculty Senator, Office of Research and Sponsored Programs Website Committee, Blackburn/Vannoy Farm Committee
- **Search Committees:** Chair of the Vice Provost for Faculty Affairs, RIEEE Director, Remote Sensing Assistant Professor, Environmental Science/GIS Geography Assistant Professor, Physical Geography Assistant Professor, Human Geography Assistant Professor, Director of the Environmental Science Program

Graduate Advisor and Co-Advisor:

- **April Kaiser** (2019, co-advisor): "Dendroecological investigation of red-cockaded woodpecker cavity tree selection in endangered longleaf pine forests" (in preparation for *Endangered Species Research*)
- **David Austin** (2012, advisor): "Vegetation dynamics of a Carolina hemlock community at Bluff Mountain, North Carolina, U.S.A." (published in *Botany*)
- **Philip White** (2010, co-advisor): "Decadal-scale trends in forest succession and climatic sensitivity in a red spruce-Fraser fir forest at Roan Mountain, Pisgah and Cherokee National Forests" (published in *Endangered Species Research* and *Dendrochronologia*).

Professional Development:

National Geographic Society - Geography Steward of North Carolina, 2018-2020.

Organized and Chaired the Panel on "Sexual Harassment and Bullying Policies in Academia," Association of American Geographers (AAG) conference, Washington, D.C. April 3-7, 2019.

Invited Discussant in "Paradigms and Milestones in Geography Education: Looking Back, Looking Forward," Association of American Geographers (AAG) conference, Washington, D.C. April 3-7, 2019.

BRIDGES, Academic Leadership for Women Program, 2018. A professional development program in higher education for selected female leaders to identify, understand, and build their management roles in the academy, University of North Carolina, Chapel Hill.

Developed and organized the 2018 North Carolina Geographic Alliance - Geo-Inquiry Leadership Institute at the North Carolina Center for Academic Teaching (NCCAT) in Ocracoke, North Carolina. Twenty K-12 geography and library science educators participated in the geo-inquiry institute and it was also attended by Dr. Rob Brown and Dr. Mark Spond (Appalachian State University). June 28-30, 2018.

Invited Panelist on "The Academic Job Market for Geographers: Strategies for Improving Employment Preparation," and "Career Mentoring," Association of American Geographers (AAG) conference, New Orleans, Louisiana. April 10-13, 2018

Appalachian Leadership Development Program (ALDP), 2017-2018. The mission of the ALDP is to provide formal assistance and training to a diverse group of selected faculty and staff at Appalachian State University in their exploration and development of leadership capabilities.

Developed and organized the 2017 North Carolina Geographic Alliance - Geo-Inquiry Leadership Institute at the National Humanities Center (NHC) in Durham, North Carolina. Twenty K-12 educators participated in the geo-inquiry institute and it was also attended by Ms. LaTanya Pattillo (Education Advisor to Gov. Roy Cooper), Ms. Holly Loranger (UNC World View), Mr. Andy Mink (VP of Education of NHC), and Dr. Kathleen Schroeder (App State Geography and Planning Chair). June 28, 2017

Invited Panelist on "The Academic Job Market for Geographers: Strategies for Improving Employment Preparation," Association of American Geographers (AAG) conference, Boston, Massachusetts. April 5-9, 2017

Invited Panelist on "Barriers and Opportunities for Women in the Geography STEM Subdisciplines," Association of American Geographers (AAG) conference, Boston, Massachusetts. April 5-9, 2017

Coordinator of the North Carolina Geographic Alliance – funded by The National Geographic Society. The Alliance's mission is to educate legislators and education decision makers on the state and local levels about the relevance of geography in K-12 education during the 21st Century. 2017-2019

Participant in American Council of Education (ACE) Regional Women's Leadership Forum, Clemson, South Carolina. October 24-26, 2016

Invited Colloquium Speaker, Department of Geography, University of North Carolina Greensboro, "Exploring multi-century disturbance histories in endangered U.S. tree species." March 18, 2016

Guest on SciWorks Radio Program on NPR, "An Accurate "Log-ing" of Time." SciWorks Radio is a production of 88.5 WFDD and SciWorks, the Science Center and Environmental Park of Forsyth County, North Carolina. September 25, 2015

Geography Advisory Board, the Department of Geography at the University of Tennessee. September 2015

Leader of the Bear Paw Cabins Historical Dendroarcheology Workshop (14 participants), funded by the College of Arts and Sciences, Appalachian State University. July 2015

Course Redesign Workshop, Hubbard Center for Faculty Development, Appalachian State University. May 2013

Field Trip Leader, "Biogeography of Craggy Gardens, Blue Ridge Parkway," for Southeastern Division of the Association of American Geographers (SEDAAG) conference, Asheville, North Carolina. 2012

Program Committee for Southeastern Division of the Association of American Geographers (SEDAAG) conference, Asheville, North Carolina. 2012

Invited Colloquium Speaker, Department of Geography, University of North Carolina at Chapel Hill, "Land-Use Legacies and Disturbance Histories of Endangered Mountain Forest Ecosystems in the Eastern United States." September 2012

Program Committee for Southeastern Division of the Association of American Geographers (SEDAAG) conference, Savannah, Georgia. 2011

Invited Speaker, Appalachian Lifelong Learning, Appalachian State University. July 2011

Session Co-Organizer and Co-Chair with Dr. Chris Gentry of the dendroecology paper sessions at the Annual Meeting of the Association of American Geographers. 2010–2011

Faculty Learning Community, Appalachian State University. Selected to participate in Inquiry-Based Learning Discussion and Implementation Group. 2010

Group Leader and Instructor, Stand Dynamics Group, 19th Annual North American Dendroecological Fieldweek, Harvard Forest, Massachusetts. June 4–June 12, 2009

Session Co-Organizer and Co-Chair with Dr. Evan Larson of the whitebark pine paper session at the Annual Meeting of the Association of American Geographers. 2008–2009

The University of Tennessee - Department of Geography
Ph.D. student

2003-2008

Teaching Positions:

NSF GK-12 Fellow, Department of Geography, University of Tennessee. Funded by the National Science Foundation to improve the teaching of earth science in rural middle schools of east Tennessee (7th and 8th grades). 2006–2008

Instructor, Introduction to Physical Geography Course, University of Tennessee. 2005

Head Graduate Supervisor, Department of Geography, University of Tennessee. Supervised 20 teaching assistants in introductory physical geography course and assisted with laboratory manual revisions. 2004

Coordinator, Geography Awareness Week. An outreach program part of the National Geographic Society through the Tennessee Geographic Alliance which is a non-profit educational organization which helps develop collaboration among college and university geographers, teachers from kindergarten –12th grade, and educational administrators. 2004

Professional Development:

Laboratory Supervisor, “Developing oak chronologies from an Arkansas Wildlife Refuge,” a project funded by the U.S. Department of Justice. 2007

Group Leader and Instructor, Stand Dynamics Group, 17th Annual North American Dendroecological Fieldweek, Great Smoky Mountains Institute at Tremont, Tennessee. June 1–June 9, 2007

Participant, the 6th International Winter School: “Wood Anatomy of Tree Rings” in Davos, Switzerland. Fall 2006

Instructor, Dendrochronology Workshop for Middle and High School Students and Teachers, Earth Science Fair sponsored by the Department of Earth and Planetary Sciences, University of Tennessee. Fall 2005

Group Leader and Instructor, Introductory Group, 15th Annual North American Dendroecological Fieldweek, McCall, Idaho. June 24–July 2, 2005

Museum Docent, for the “Lost Worlds: Discovering Past Environments Exhibit,” Frank H. McClung Museum, the University of Tennessee. 2005

Graduate Researcher, Global Environmental Change Research Group, a project funded by the University of Tennessee. Constructed master tree-ring chronology from whitebark pine (*P. albicaulis*) and led a three-person expedition to examine stand dynamics in western Montana. 2003-2004

Group Leader and Instructor, Climate Reconstruction Group, 14th Annual North American Dendroecological Fieldweek, Itasca State Park, Minnesota. 9–16 July 2004

Participant, Monitoring Whitebark Pine for Blister Rust: A Methods Workshop, Whitebark Pine Ecosystem Foundation, West Yellowstone, Montana. 28–30 June 2004

Southern Illinois University - Department of Forestry

2000-2003

M.S. student

Manager and Planner, Prescribed fire and resource management plan of the Marseilles Army National Guard Training Area, funded by the Army National Guard, Illinois. Prepared multi-resource management plans for the 40,000-acre army training area in Marseilles, Illinois. 2002-2003

Graduate Researcher, Forest inventory and ecological analysis of the Illinois Ozark Hills, funded by Trail of Tears State Forest, Illinois Department of Natural Resources. Collected and analyzed forest stand and dendrochronological data, as well as prepared multi-resource management plans. 2000-2002

Leader in Forest Ecology and Conservation, Expanding Your Horizons in Math and Science, Southern Illinois University. Led a conservation hands-on workshop for 7th, 8th, and 9th grade girls to increase their interest in math and science. 2001

Supervisor and Crew Leader, Prescribed Fire Management Team, Southern Illinois University. Trained wildland firefighters on fire behavior and conducted prescribed fire effects research in differing forest fuel types. 2000-2002

Wildland Fire Fighter (S-130) Training and Certification, Carbondale, Illinois. 2000

Pennsylvania State University - School of Forest Resources 1996-2000
B.S. student

Laboratory Technician, Forest Ecology Laboratory, University Park, Pennsylvania. Published and completed dendrochronological research on hardwood tree species in the eastern United States. 1998-2000

Research Intern, Harvard Forest, Harvard University, Petersham, Massachusetts. Research experience for undergraduates (REU) program in forest ecology at Harvard Forest, a project funded by the National Science Foundation. Studied understory dynamics of eastern hemlock stands in southern Connecticut infested by the hemlock woolly adelgid. 1999

Research Intern, Tall Timbers Research Station, Tallahassee, Florida. Forest Research Program, Tall Timbers Research Station. Analyzed longleaf pine (*Pinus palustris* Mill.) seedling density and vigor data in the Red Hills of northern Florida to quantify success of fire and herbicide treatments. 1998

GRANTS, SCHOLARSHIPS, and TEACHING AWARDS

USDA Higher Education Challenge (HEC) Grant, 2020-2021. *Promoting Professionalism In Remote Fieldwork.* Co-PIs: Dr. Carolyn Copenheaver, Dr. Thomas Coates, Dr. Adam Downing (Virginia Tech). \$30,000 (in review).

National Center for Research in Geography Education (NCGRE) Transformative Research Grant, 2018-2019. *Asking Geographic Questions to Address Political Issues.* Co-PIs: Dr. Rebecca Theobald (University of Colorado, Colorado Springs), Andy Mink (National Humanities Center), and Anita Palmer (GISetc), **\$19,444.**

National Geographic Society Education Foundation, 2017-2018. Network of Alliances for Geographic Education, North Carolina Geographic Alliance, **\$27,500.**

Board of Governors Appalachian State University Campus Excellence in Teaching Award, 2017, Appalachian State University, **\$1,000.**

College of Arts and Sciences Grant for Summer Research 2017, Appalachian State University, **\$2,500.**

National Geographic Society Education Foundation, 2016-2017. Network of Alliances for Geographic Education, North Carolina Geographic Alliance. Co-PI: Dr. James Young (Appalachian State University), **\$27,500**.

Finalist for the Academy of Outstanding Teachers, Fall 2016, College of Arts and Sciences, Appalachian State University.

USDA AFRI Grant, 2016-2018. *Forest Resilience to Climate Change: A Dendroclimatic Assessment of Trees with Commercial and Conservation Value*. Co-PIs: Dr. Carolyn Copenheaver (Virginia Tech), Dr. Sophan Chhin (Michigan State University), Dr. Margaret Evans (University of Arizona), Dr. Glenn Juday (University of Alaska Fairbanks), and Dr. Ketia Shumaker (University of West Alabama), **\$427,500**.

Finalist for the Wayne D. Duncan Teaching Award, Spring 2016, Appalachian State University.

Humanities Scholars Fellowship, 2014-2015. A Dendrochronological Analysis of Legacy Trees at Thomas Jefferson's Poplar Forest, Virginia. Funded by the College of Arts and Sciences, Appalachian State University, **\$1,690**.

Appalachian Women Scientists SEED Grant, 2013-2014. Funded by the Cratis D. Williams Graduate School and Office of Research and Sponsored Programs, Appalachian State University, **\$1,972**.

Historic Preservation Contract, 2013. Using Tree-Ring Samples to Determine Terminus Post Quem Dates for Archaeological Dam Sites in the Chattahoochee River. Southern Research, Historic Preservation Consultants, Inc., 2013. Co-PI: Peter Soulé (Appalachian State University). **\$3,806**.

Historic Preservation Contract, 2012. Tree-Ring Analysis of Industrial Archaeological Sites in the Chattahoochee River. Southern Research, Historic Preservation Consultants, Inc., 2012-2013. Co-PI: Peter Soulé (Appalachian State University). **\$2,617**.

Finalist for the Appalachian Global Leadership Award, Fall 2012, Appalachian State University. The Global Leadership Awards Program is an annual award to recognize students, faculty and staff who have made a significant contribution to advance global learning at Appalachian State University.

Finalist for THE GREAT COURSES to teach a Physical Geography DVD Lecture Series, Spring 2012. The Great Courses brings engaging professors into peoples' homes through college courses on DVD. The Great Courses offers over 425 courses for lifelong learners (<http://www.thegreatcourses.com/>).

Finalist for the Wayne D. Duncan Teaching Award, Spring 2012, Appalachian State University.

Graduate Research Associate Mentoring (GRAM) Award, 2011-2013. Cratis D. Williams Graduate School and Office of Research and Sponsored Programs, Appalachian State University, **\$20,000**.

University Research Council (URC) Grant, 2011-2012. Cratis D. Williams Graduate School and Office of Research and Sponsored Programs, Appalachian State University, **\$2,824**.

USDA Higher Education Challenge (HEC) Grant, 2010-2012. The purpose of the *Ambassadors for Conservation Education (ACE) Program* was to recruit a larger, more diverse student body to natural resource and agricultural communication degree programs. Co-PIs: Dr. Nicholas Fuhrman and Dr. Christian Morgan (University of Georgia) and Dr. Carolyn Copenheaver and Dr. John Seiler (Virginia Tech), **\$364,000**.

Undergraduate Research Assistantships, 2009-2010. Office of Student Research, Appalachian State University, **\$2,000**.

Wachovia Environmental Research Award, 2009. Cratis D. Williams Graduate School and Office of Research and Sponsored Programs, Appalachian State University, **\$500**.

Foundation Fellows Grant, 2009. Hubbard Center for Faculty Development, Appalachian State University. Applying the Scholarship of Teaching and Learning to Mountain Geography Field-Based Courses, **\$5,000**.

The Nature Conservancy, 2009. Forest Stand Dynamics of a Natural Area in the Southern Appalachians, Bluff Mountain, North Carolina, **\$3,000**.

Student Publication Award, 2008. Department of Geography, University of Tennessee.

Professional Development Award, 2008. Department of Geography, University of Tennessee.

Leadership Award, 2007. North American Dendroecological Fieldweek, Great Smoky Mountains National Park at Tremont, Tennessee.

Stewart K. McCroskey Memorial Fund Award, 2006. Department of Geography, University of Tennessee, to support attending the 6th International Winter School: "Wood Anatomy of Tree Rings," in Davos Laret, Switzerland, **\$500**.

Honorable Mention, Student Paper Competition, 2006. International Conference on Dendrochronology, Beijing, China.

Outstanding Teaching Associate Award, 2006. Department of Geography, University of Tennessee.

Student Publication Award, 2006. Department of Geography, University of Tennessee. W.K. McClure Fund for the Study of World Affairs, University of Tennessee, **\$3,000**.

National Science Foundation (NSF) Doctoral Dissertation Research Improvement Grant, 2005. to support field research on whitebark pine communities in the Northern Rocky Mountains, **\$9,998**.

Robert G. Long Outstanding Graduate Student of the Year Award, 2005. Department of Geography, University of Tennessee.

Graduate School Travel Grant, 2005. University of Tennessee, to present at the Whitebark Pine Ecosystem Foundation meeting, Glacier National Park, Montana, **\$400**.

Stewart K. McCroskey Memorial Fund Award, 2003. Department of Geography, University of Tennessee, to support attending the 14th Annual North American Dendroecological Fieldweek, Itasca, Minnesota, and to present at the Whitebark Pine Ecosystem Foundation meeting, Waterton Lakes National Park, Canada **\$900**.

Graduate School Travel Grant, 2003. University of Tennessee, to present at the Annual meeting of the Association of American Geographers, Philadelphia, Pennsylvania, **\$200**.

Outstanding Graduate Teaching Assistant Award, 2003. Department of Geography, University of Tennessee.

Datatel Scholars Foundation, 2002. Southern Illinois University, for academic excellence, **\$1,300**.

Nominated for Outstanding Thesis Award, Southern Illinois University, 2002.

Diversity Scholarship, 2002. Society of American Foresters, to present at the Society of American Foresters Annual meeting, Winston-Salem, North Carolina, **\$500**.

PUBLICATIONS (Peer-Reviewed and ISI-Rated Journals)

April Kaiser, Pete Soulé, **Saskia L. van de Gevel**, Paul Knapp, Arvind Bhuta, and Jeffrey Walters
2019. Dendroecological investigation of red-cockaded woodpecker cavity tree selection in endangered longleaf pine forests. *Endangered Species Research* (in preparation).

Burke McDade, Derek Martin, **Saskia L. van de Gevel**, and Jessica Mitchell
2019. Impacts of the hemlock woolly adelgid (*Adelges tsugae*) on headwater stream woody debris loads in the Southern Appalachian Mountains. *Southeastern Geographer* (in review).

Zachary Osborne, **Saskia L. van de Gevel**, Montana Eck, and Margaret Sugg
2019. An Assessment of Geospatial Technology Integration in K–12 Education. *Journal of Geography*: 1-12.

Karen J. Heeter, Grant L. Harley, **Saskia L. van de Gevel**, and Philip B. White
2019. Blue intensity as a temperature proxy in the eastern United States: A pilot study from a southern disjunct population of *Picea rubens* (Sarg.). *Dendrochronologia* 55: 105-109.

Saskia L. van de Gevel, Evan Larson, Henri D. Grissino-Mayer
2017. Separating trends in whitebark pine radial growth related to climate and mountain pine beetle outbreaks in the Northern Rocky Mountains. *Forests* 8: 195.

Maegen Rochner, **Saskia L. van de Gevel**, Mark D. Spond, and Henri D. Grissino-Mayer
2017. Using dendrochronology to investigate the historical and educational value of two log structures, Bear Paw State Natural Area, North Carolina, U.S.A. *Tree-Ring Research* 73(2): 136-148.

- David Austin, **Saskia L. van de Gevel**, and Peter T. Soulé
2016. Forest dynamics and climate sensitivity of an endangered Carolina hemlock community in the southern Appalachian Mountains, U.S.A. *Botany* 94(4): 301-309.
- Mark D. Spond, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer
2014. Climate-growth relationships for Rocky Mountain juniper (*Juniperus scopulorum* Sarg.) on the volcanic badlands of western New Mexico, U.S.A. *Dendrochronologia* 32: 137–143.
- Philip B. White, Peter T. Soulé, and **Saskia L. van de Gevel**
2014. Impacts of human disturbance on the temporal stability of climate-growth relationships in a red spruce forest, Southern Appalachian Mountains, U.S.A. *Dendrochronologia* 32: 71-77.
- Nicholas Fuhrman, Chris Morgan, Carolyn Copenheaver, John Peterson, Milton Newberry, Sara DeLoach, and **Saskia L. van de Gevel**
2014. Repeated monitoring of forest plots: Evaluating the accuracy of student scientist data. *NACTA Journal* 58(2): 95-101.
- Saskia L. van de Gevel**, Justin L. Hart, Mark D. Spond, Philip B. White, Megan N. Sutton, and Henri Grissino-Mayer
2012. American chestnut to northern red oak: a forest dynamics study in the Blue Ridge Mountains, North Carolina, U.S.A. *Botany* 90: 1263-1275.
- Philip B. White, **Saskia L. van de Gevel**, and Peter T. Soulé
2012. Succession and disturbance in an endangered red spruce-Fraser fir forest in the southern Appalachian Mountains, North Carolina, U.S.A. *Endangered Species Research* 18: 17–25.
- Philip B. White, **Saskia L. van de Gevel**, Henri D. Grissino-Mayer, and Lisa B. LaForest
2011. Climatic response of oak species across an environmental gradient in the southern Appalachian Mountains, U.S.A. *Tree-Ring Research* 67(1): 27–37.
- Justin L. Hart, **Saskia L. van de Gevel**, John Sakulich, and Henri D. Grissino-Mayer
2010. Influence of climate and disturbance on the growth of *Tsuga canadensis* at its southern limit. *Trees* 24: 621–633.
- Justin L. Hart, David A. Austin, and **Saskia L. van de Gevel**
2010. Radial growth responses of three co-occurring species to small canopy disturbances in a secondary hardwood forest on the Cumberland Plateau, Tennessee. *Physical Geography* 31(2): 1–22.
- Evan R. Larson, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer
2009. Variability in fire regimes of high-elevation whitebark pine communities, western Montana, U.S.A. *Ecoscience* 16(3): 282–298.
- Henri D. Grissino-Mayer, Lisa B. LaForest, and **Saskia L. van de Gevel**
2009. Construction history of the Rocky Mount Historic Site, Piney Flats, Tennessee from tree-ring and documentary evidence. *Southeastern Archaeology* 28(1): 64–77.

- Saskia L. van de Gevel**, Justin L. Hart, Henri D. Grissino-Mayer, and Ken W. Robinson
2009. Tree-ring dating of old-growth longleaf pine (*Pinus palustris* Mill.) logs from an exposed timber crib dam, Hope Mills, North Carolina, U.S.A. *Tree-Ring Research* 65(1): 69–80.
- Joseph P. Henderson, Henri D. Grissino-Mayer, **Saskia L. van de Gevel**, and Justin L. Hart
2009. The historical dendroarchaeology of the Hoskins House, Tannenbaum Historic Park, Greensboro, North Carolina. *Tree-Ring Research* 65(1): 37–45.
- Sara A. Blankenship, Meta G. Pike, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer
2009. The dendroarchaeology of Cagle Saltpetre Cave: A nineteenth century saltpeter mining site in Van Buren County, Tennessee. *Tree-Ring Research* 65(1): 11–22.
- Justin L. Hart, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer
2008. Disturbance dynamics in a natural area of the southern Ridge and Valley, Tennessee. *Natural Areas Journal* 28(3): 275–289.
- Justin L. Hart, **Saskia L. van de Gevel**, David F. Mann, and Wayne K. Clatterbuck
2008. Legacy of charcoaling in a Western Highland Rim forest in Tennessee. *American Midland Naturalist* 159: 238–250.
- Henri D. Grissino-Mayer and **Saskia L. van de Gevel**
2007. Tell-tale trees: the historical dendroarchaeology of log structures at Rocky Mount, Piney Flats, Tennessee. *Historical Archaeology* 41(4): 32–49.
- Marc D. Abrams, Carolyn A. Copenheaver, Bryan A. Black, and **Saskia L. van de Gevel**
2001. Dendroecology and balsam fir decline in a relic, old-growth, bog forest in the central Ridge and Valley Province. *Botany* 79: 58–69.
- Marc D. Abrams, **Saskia L. van de Gevel**, Ryan C. Dodson, and Carolyn A. Copenheaver
2000. The dendroecology and climate impacts for old-growth white pine and hemlock on the extreme slopes of the Berkshire Hills, Massachusetts. *Botany* 78: 851–861.

REPORTS

- Peter T. Soulé and **Saskia L. van de Gevel**
2013. Using Tree-Ring Samples to Determine *Terminus Post Quem* Dates for Archaeological Dam Sites in the Chattahoochee River. Final Report to Southern Research Historic Preservation Consultants. September 8, 2013.
- Saskia L. van de Gevel** and Mark D. Spond
2013. The Red-Spruce/Fraser Fir Ecosystem: One of the Southern Appalachian Mountains' Most Endangered. Published on August 12, 2013 by *Geography In The News* and *National Geographic NewsWatch* blogs -
<http://newswatch.nationalgeographic.com/2013/08/12/geography-in-the-news-endangered-mountain-ecosystem-2/>

Saskia L. van de Gevel and Charles M. Ruffner

2006. Land-use history and resulting forest succession in the Illinois Ozark Hills. *In*: David S. Buckley and Wayne K. Clatterbuck (Editors). USDA Forest Service General Technical Report, SRS-101: 719–726, Asheville, North Carolina.

Saskia L. van de Gevel, Henri D. Grissino-Mayer, and Evan R. Larson

2005. Dendroecological applications for whitebark pine ecosystems. *Nutcracker Notes* 9: 6–7.

PRESENTATIONS AT PROFESSIONAL MEETINGS

April Kaiser, Pete Soulé, **Saskia L. van de Gevel**, Paul Knapp, Arvind Bhuta, and Jeffrey Walters

2019. A dendroecological investigation of red-cockaded woodpecker and longleaf pine cavity trees. Annual Meeting of the Association of American Geographers (AAG) Conference. April 3-7, 2019, Washington, D.C.

Saskia L. van de Gevel, Debra Troxell, and Elizabeth Bailey

2018. Powerful Geography Applications in North Carolina. Powerful Geography Conference. November 1-4, 2018, San Jose, Costa Rica.

Saskia L. van de Gevel, Zachary Osborne, Montana Eck, and Margaret Sugg

2018. The Future of Geographic Inquiry in North Carolina: An Assessment of K-12 Geography Education. National Council of Geographic Education (NCGE) Conference. August 6-10, 2018, Quebec, Canada.

April Kaiser and **Saskia L. van de Gevel**

2018. Comparing whitebark pine radial growth response to climate variables in the Cascades and Sierra Nevada, USA. Annual Meeting of the Association of American Geographers (AAG) Conference. April 10-13, 2018, New Orleans, Louisiana.

Zach Osborne and **Saskia L. van de Gevel**

2018. Geographic Inquiry in North Carolina: An Assessment of Technology in K-12 Geography Education. Annual Meeting of the Association of American Geographers (AAG) Conference. April 10-13, 2018, New Orleans, Louisiana.

David Vines and **Saskia L. van de Gevel**

2018. Exploring Remote Sensing Techniques and GIS to Provide Insight to the Changing Landscape of Thomas Jefferson's Poplar Forest Estate. Annual Meeting of the Association of American Geographers (AAG) Conference. April 10-13, 2018, New Orleans, Louisiana.

Saskia L. van de Gevel and Mark D. Spond

2015. Land-use and environmental legacy at Thomas Jefferson's Poplar Forest, Virginia. Annual Meeting of the Southeastern Division of the Association of American Geographers (SEDAAG), 22-24 November 2015, Pensacola, Florida

Saskia L. van de Gevel, Mark D. Spond, and Peter T. Soulé

2012. Long-term disturbance histories of endangered mountain forest ecosystems in the eastern United States. Tree Rings in Archaeology, Climatology, and Ecology (TRACE) 2012, 9-12 May 2012, Potsdam & Eberswalde, Germany

Saskia L. van de Gevel, Justin L. Hart, Mark D. Spond, Philip White, Megan Sutton, Henri Grissino-Mayer

2011. American chestnut to northern red oak: a forest dynamics study in the Blue Ridge Mountains, North Carolina, U.S.A. Annual Meeting of the Southeastern Division of the Association of American Geographers (SEDAAG), 20–22 November 2011, Savannah, Georgia.

April Sahara, Christopher Gentry, and **Saskia L. van de Gevel**

2011. Forest stand dynamics and disturbance history in a mixed hardwood forest, Simes Tract, Harvard Forest, Massachusetts. Annual Meeting of the Association of American Geographers (AAG), 12–16 April 2011, Seattle, Washington.

Mark D. Spond, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer

2011. Relationships between Rocky Mountain Juniper growth and climate at El Malpais National Monument and the Zuni Mountains, New Mexico, U.S.A. Annual Meeting of the Association of American Geographers (AAG), 12–16 April 2011, Seattle, Washington.

Evan R. Larson, **Saskia L. van de Gevel**, Henri D. Grissino-Mayer, and Kurt F. Kipfmüller.

2010. Spatial and temporal variability in fire regimes and the effects of fire suppression in whitebark pine forests. High-Five Symposium: The Future of High-Elevation Five-Needle White Pines in Western North America, June 28–30, Missoula, Montana.

John Sakulich, Justin L. Hart, and **Saskia L. van de Gevel**

2010. Spatial analysis of the climate response of *Tsuga canadensis* across its geographic range. Annual Meeting of the Association of American Geographers (AAG), 14–18 April 2010, Washington D.C.

Saskia L. van de Gevel, Philip B. White, Mark D. Spond, and Henri D. Grissino-Mayer

2010. Dendroecology and forest succession in the absence of American chestnut (*Castanea dentata*), Bluff Mountain, North Carolina, USA. Annual Meeting of the Association of American Geographers (AAG), 14–18 April 2010, Washington D.C.

Philip B. White and **Saskia L. van de Gevel**

2010. The roles of climate and stand dynamics in a post-disturbance red spruce-Fraser fir forest at Roan Mountain, Cherokee and Pisgah National Forests. Annual Meeting of the Association of American Geographers (AAG), 14–18 April 2010, Washington D.C.

Saskia L. van de Gevel, Philip B. White, Mark D. Spond, and Henri D. Grissino-Mayer

2009. Chestnut Graveyard: Forest Succession in the absence of *Castanea dentata*, Bluff Mountain, North Carolina. Southeastern Division of the Association of American Geographers (SEDAAG), 21–24 November 2009, Knoxville, Tennessee.

Philip B. White and **Saskia L. van de Gevel**

2009. The dendroecology and disturbance regime of the red spruce-fraser fir forest of Roan Mountain, Cherokee and Pisgah National Forests. SAMAB Fall Conference, *Climate Change in the Southern Appalachians*, 17–19 November 2009, Asheville, North Carolina.

Saskia L. van de Gevel, Evan R. Larson, and Henri D. Grissino-Mayer

2009. Separating the influence of climate and mountain pine beetle outbreaks in whitebark pine radial growth, Northern Rocky Mountains, USA. Annual Meeting of the Association of American Geographers (AAG), 22–27 March 2009, Las Vegas, Nevada.

Justin L. Hart, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer

2009. Facilitation, extirpation, and succession in a mixed hardwood forest of the Ridge and Valley, Tennessee. Annual Meeting of the Association of American Geographers (AAG), 22–27 March 2009, Las Vegas, Nevada.

Saskia L. van de Gevel, Jodi Axelson, Daniel Griffin, Neil Pederson, James Dyer

2008. Stand dynamics of old-growth forests in the Great Smoky Mountains National Park, Tennessee, USA. Annual Meeting of the Association of American Geographers (AAG), 15–20 April 2008, Boston, Massachusetts.

Saskia L. van de Gevel, Justin L. Hart, Henri D. Grissino-Mayer, and Kenneth W. Robinson

2007. Tree-ring dating of old-growth longleaf pine (*Pinus palustris* Mill.) logs from an exposed crib dam, Hope Mills, North Carolina, U.S.A. Annual Meeting of the Southeastern Archaeological Conference, 31 October–3 November 2007, Knoxville, Tennessee.

Henri D. Grissino-Mayer, **Saskia L. van de Gevel**, and Lisa B. LaForest

2007. Historical dendroarchaeology at the Rocky Mount Site, Piney Flats, Tennessee: human nature versus mother nature. Annual Meeting, Southeastern Archaeological Conference, 31 October–3 November 2007, Knoxville, Tennessee.

Joseph P. Henderson, Henri D. Grissino-Mayer, **Saskia L. van de Gevel**, and Justin L. Hart

2007. The historical dendroarchaeology of the Hoskins House, Tannenbaum Historic Park, Greensboro, North Carolina, U.S.A. Annual Meeting, Southeastern Archaeological Conference, 31 October–3 November 2007, Knoxville, Tennessee.

Christopher A. Underwood, **Saskia L. van de Gevel**, and Sally P. Horn

2007. Using mastodon matrix to teach earth science to middle school students. Annual Meeting of the Association of American Geographers (AAG), 17–21 April 2007, San Francisco, California.

Carol P. Harden, Angela Danovi, **Saskia L. van de Gevel**, Betsy A. Tillett, and Victoria Headrick

2007. NSF GK-12 research collaboration between the University of Tennessee and Carpenters Middle School in Blount County, Tennessee. Annual Meeting of the Association of American Geographers (AAG), 17–21 April 2007, San Francisco, California.

- Justin L. Hart, **Saskia L. van de Gevel**, David F. Mann, and Wayne K. Clatterbuck
2006. Charcoal production and forest development on the Western Highland Rim. Joint Annual Meeting, Southeastern Division and Middle Atlantic Division of Association of American Geographers, 19–21 November 2006, Morgantown, West Virginia.
- Saskia L. van de Gevel** and Henri D. Grissino-Mayer
2006. The demise of a North American stone pine, *Pinus albicaulis*: A dendroecological evaluation. 7th International Conference on Dendrochronology, 11-17 June 2006, Beijing, China.
- Saskia L. van de Gevel** and Charles M. Ruffner
2006. Land-use history and resulting forest succession in the Illinois Ozark Hills. 15th Central Hardwood Forest Conference, 28 February–1 March 2006, Knoxville, Tennessee.
- Saskia L. van de Gevel** and Henri D. Grissino-Mayer
2006. Comparing species' response to natural and anthropogenic disturbances in a threatened mountain ecosystem, Montana, USA. Annual Meeting of the Association of American Geographers (AAG), 7–11 March 2006, Chicago, Illinois.
- Henri D. Grissino-Mayer and **Saskia L. van de Gevel**
2006. Tell-tale trees: the historical dendroarchaeology of log structures at the Rocky Mount Historic Site, Piney Flats, Tennessee. Annual Meeting of the Association of American Geographers (AAG), 7–11 March 2006, Chicago, Illinois.
- Henri D. Grissino-Mayer, David F. Mann, and **Saskia L. van de Gevel**
2006. Historical dendroarchaeology in the eastern U.S.: methods, ethics, issues, and applications. Conference on Historical and Underwater Archaeology, 11-15 January 2006, Sacramento, California.
- Saskia L. van de Gevel** and Henri D. Grissino-Mayer
2005. Dendroecological applications for whitebark pine ecosystems. Annual Meeting, Whitebark Pine Ecosystem Foundation, 11–12 September, 2005, Glacier National Park, Montana.
- Saskia L. van de Gevel** and Henri D. Grissino-Mayer
2005. Dendroecological analyses of stand dynamics in whitebark pine communities, Lolo National Forest, USA. Annual Meeting of the Association of American Geographers (AAG), 5–9 April, 2005, Denver, Colorado.
- Saskia L. van de Gevel** and Henri D. Grissino-Mayer
2004. Landscape level dynamics of an endangered mountain ecosystem, Lolo National Forest, Montana. Annual Meeting, Whitebark Pine Ecosystem Foundation, 24–26 September 2004, Waterton Lakes National Park, Alberta, Canada.
- Evan R. Larson, **Saskia L. van de Gevel**, and Henri D. Grissino-Mayer
2004. A 500-year dendroecological reconstruction of wildfires from whitebark pine (*Pinus albicaulis*) in the Lolo National Forest, Montana. Annual Meeting of the Association of American Geographers, 14–19 March 2004, Philadelphia, Pennsylvania.

Saskia L. van de Gevel and Charles M. Ruffner

2003. The influence of land-use history (1737–2000) on the forest development of the Illinois Ozark Hills. Annual Meeting of the Association of American Geographers (AAG), 5–8 March 2003, New Orleans, Louisiana.

Saskia L. van de Gevel, Charles M. Ruffner, and Chris Rokosh

2002. Prescribed fire in southern Illinois, Illinois Department of Natural Resources - Division of Forest Resources. Annual Meeting of the Society of American Foresters, 5–9 October 2002, Winston-Salem, North Carolina.

Saskia L. van de Gevel and Marc D. Abrams

1999. Dendroecology and successional dynamics of an old growth bog forest in central Pennsylvania, USA. Pennsylvania State University Undergraduate Research Fair, 16–17 March 1999, University Park, Pennsylvania.

Saskia L. van de Gevel

1999. Understory dynamics of hemlock woolly adelgid infested stands in southern Connecticut. Harvard Forest Summer Student Symposium, 16 August 1999, Petersham, Massachusetts.