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EDUCATION

- 2001 Doctor of Philosophy, Department of Geography, University of Calgary, Alberta, Canada
Area of focus: Geography, Climatology
- 1996 Bachelor of Science (Honors), University of Toronto, Ontario, Canada
Major: Environmental Science (focus: Ecology and Geography); Minor: Mathematics

ACADEMIC APPOINTMENTS

- 2011- Professor of Geography, Department of Geography, Geology, and the Environment, Illinois State University, Normal, IL
- 2006-11 Associate Professor of Geography, Department of Geography-Geology, Illinois State University, Normal, IL
- 2000-06 Assistant Professor of Geography, Department of Geography-Geology, Illinois State University, Normal, IL

ADMINISTRATIVE POSITIONS AND RESPONSIBILITIES

- 2015-present ***Department Chair, Geography, Geology, and the Environment, Illinois State University, Normal, IL***
- The department promotes intellectual understanding of the earth as humanity's home. Awareness of Earth systems, human interactions, and connections between the two are essential to a sustainable future. The department fosters an inclusive community of exceptional teacher-scholars who provide students with one of the nation's premiere public educational experiences. It accomplishes this through a commitment to learning and scholarship, diversity, equity and inclusion, respect, collaboration, individualized attention, civic engagement, and integrity. The unit comprises of 14 full-time tenure-line and 2 NTT faculty whose activities are supported by 4 APs and 1.5 Civil Service staff members. The department serves about 200 students offering B.S. degrees in Geography, Geology, and Environmental Systems Science and Sustainability, and an M.S. in Hydrogeology.

Areas of principal responsibilities:

Department Governance and Diversity, Equity, and Inclusion (DEI) Efforts

- Promote, defend, and uphold department mission, vision, values, and accomplishments to internal and external constituencies
- Advocate for resources and initiatives to external entities within and outside the University
- Lead, coordinate, and promote transparent, unambiguous, and fair departmental governance that nurtures a collaborative, inclusive, and equitable culture
- Coordinate strategic planning development activities including the formulation and implementation of our vision, and goals
- Encourage the development and implementation of transparent, unambiguous, fair, and

inclusive operational policies

- Committed to increasing diversity in our faculty, staff, and student populations, in regard to ethnicity, sex, gender, age, and academic interests, to further elevate our intellectual capacity and innovation

Noteworthy Accomplishments since 2015:

- Lead efforts to develop a new departmental strategic plan, 2019-2023.
- Established a new standing committee on Diversity and Inclusion to further advance our DEI initiatives
- Administer, each year, Department Climate Survey (2017-) taken by undergraduate and graduate majors, faculty, and staff, in our department.

Faculty and Staff Activities

- Facilitate excellence in teaching, research, and service
- Promote faculty accomplishments in research, teaching, and service and nominate them for relevant recognition, when appropriate
- Supervise and manage workload and evaluate support staff, administrative professionals, and non-tenure track faculty
- Lead processes of staff selection, annual evaluation, and salary incrementation
- Lead processes related to faculty (TT and NTT) hiring, tenure, mentorship, promotion, annual evaluation, salary incrementation
- Manage distribution of faculty workload in teaching, research, and service in transparent, equitable, and inclusive ways

Noteworthy Accomplishments since 2015:

- Secured permanent funds to hire four new full-time tenure-line faculty positions (1 Geology; 2.5 geography; 0.5 Environmental Systems; retained 100% of new hired faculty
- Work to help secure adequate startup funds for all new faculty hires
- Secured funds to hire of a new permanent part-time Civil Service staff position
- The department garnered ~\$4.0 mil in external funds through grants and contracts, ranking in the top 20% of all college departments each year.
- Oversee an update of department promotion and tenure document (twice) and By Laws document (once)
- Work to ensure timely professional advancement of faculty through ranks. Four faculty members were promoted to Associate Professor and three to Professor; two individuals were awarded University Professor designation; one individual was awarded Distinguished Professor designation
- Established new internal programs in support of faculty professional development and faculty-led student research by strategically reallocating \$8K per year of available funds (e.g., general revenue, agency, and foundation funds) towards the purposes of professional travel, and general research support; doubled annual professional travel allocations for faculty from the standard college allocation of \$750 to \$1.5K per faculty; developed departmental publication subvention program and research grant program (\$5K per year).

Programmatic/Curricular and Student Success Initiatives

- Support initiatives and efforts to recruit academically strong and talented students from diverse backgrounds, and to maintain healthy enrollments
- Committed to facilitating student success in and outside of the classroom by ensuring that our curricula are up-to-date, competitive, inclusive, and as affordable as possible, and to maintain favorable retention and graduate rates. This process involves seeking new ways to increase student and faculty diversity, ensuring that our curricula and departmental culture are accessible and inclusive.
- Facilitate development of new and modification of existing curricula, courses, programs
- Lead and coordinate program review processes
- Develop and oversee execution of student recruitment and retention plans
- Coordinate the development and implementation of annual program assessments
- Department grew internationalization initiative by introducing 1 new study abroad program to Mexico and maintained another to Japan
- Personally, contribute to the teaching and student mentorship missions by teaching at least one course per year, and mentoring students in research
- Personally, contribute to the scholarly mission of the department by maintaining an active scholarly agenda

Noteworthy Accomplishments since 2015:

- Assisted in the development and implementation of new B.S. major program in Environmental Systems Science and Sustainability, an interdisciplinary major program. This 4-year process involved leading discussions with faculty and other administrators on campus on curriculum design and implementation, writing initial Program Feasibility Report, working with the Office of the Provost on developing necessary documentation for the Illinois Board of Higher Education and the ISU Board of Trustees to gain institutional approval, identification of a Director and Advisory committee, presenting arguments for resources. Much of this work was accomplished during dire budgetary conditions in the state and in our institution. The program was launched in fall 2020.
- In 2017 department voted to change its name from Geography-Geology to Geography, Geology, and the Environment to better reflect our intellectual strength, recruit new student populations, and accommodate the new Environmental major.
- National Program Recognition
 - Geography – 2016 Honorable mention - Undergraduate Program of Excellence awarded by the Association of American Geographers
 - Geology – 2018 ExxonMobil/GSA Field Camp Safety Award
- Facilitated efforts to increase department undergraduate student enrollments by 20% between 2015 and 2020.

Facilities, Infrastructure, and Fiscal Management

- Prepare annual budget and planning documents to advocate for new resources (personnel including non-tenure track faculty, infrastructure, and monetary) to higher administration
- Oversee and manage departmental general revenue/state (~\$1,539K), agency (~\$250K)
- Oversee and manage operations related to Full-Cost Recovery (FCR) courses
- Oversee and help facilitate management of grant, contract, and other income sources
- Prioritize and coordinate development and maintenance of facilities and other infrastructure in support of teaching and research

Noteworthy Accomplishments since 2015:

- Secured permanent funds to reinstate budget (\$15K) for Geology's field camp. In addition, the department also receives annual an additional \$15K through the summer instructional allocation program to further offset the total cost
- Secured ~\$477K in external funds through various competitive College and Provost enhancement programs. ~\$351K - improvement of departmental facilities for teaching and research, and ~\$126K - new scientific instrumentation, and technology. Additional ~\$61K were spent for these purposes through internal reallocations.
- Assisted in the establishment of a new self-sustaining Laboratory for Environmental Analyses (LEA) that provides student opportunities for co-curricular and professional development in a laboratory setting specializing in water and soil quality analyses; Cash balance in 2021 ~90K.

Fundraising and Outreach Activities

- Oversee and manage department foundation funds (~\$290K expendable/~\$2.6mil total)
- Lead department development efforts
- Encourage and facilitate faculty/staff community outreach and service efforts
- Facilitate annual disbursement of student scholarship funds
- Ensure the publication of Annual departmental yearbook, *Glacial Deposits*, used to communicate our news, developments, and accomplishments, to our alumni and friends
- Develop annual fundraising priorities in collaboration with the foundation office
- Collaborate with members of the foundation office in fundraising efforts for the department
- Keep in steady contact with alumni and friends through messages of appreciation

Noteworthy Accomplishments since 2015:

- Oversee the publication of department yearbook, *Glacial Deposits*, each year
- Worked to help secure over \$900K of new funds in support of student scholarships, field and study abroad programs, and research and teaching infrastructure
- Worked to help acquire the Illinois Geographical Alliance (IGA); the transfer was accompanied by new endowment of \$850K.

2011-15

Associate Dean for Personnel, Budget and Planning, College of Arts and Sciences (CAS), Illinois State University, Normal, IL

The CAS is the largest college comprising of 18 reporting academic units, employs approximately 313 faculty members, 111 NTT, and ___ Civil Service/Administrative Professional staff members, enrolls ~5.5K (30%) students. The college has an annual budget of approximately \$45 million among 130 general revenue and agency accounts. This position was 100% administrative.

Major areas of responsibility included:

- Advised the Dean on matters related to faculty affairs, budget, and strategic planning
- Ensured that decision making processes for the purpose of resource allocation were informed by objective data and fair and transparent policies
- Worked to ensure that all our practices and policies were transparent, unambiguous, fair, and inclusive
- Facilitated administrative workflows for Chairs/Directors in the areas of budgeting and

faculty affairs

Fiscal Management

- In collaboration with Chairs/Directors ensured efficient and flexible spending of annual temporary funds in ways that aligned with department/school and university strategic directions
- In collaboration with Chairs/Directors and their lead staff helped manage general revenue and agency budgets for each academic unit
- Managed and strategically allocated college-held general revenue and agency budgets
- Identified (through redistribution) and ensured appropriate and efficient allocation of college funds each year for the purposes of research startups (\$500K -\$750K) and Dean Enhancements (minimum \$100K)
- Assisted with the management and allocation of annual funds for temporary instructional needs to departments
- Managed and allocated general revenue funds for Civil Service out-of-cycle salary incrementation
- Provided data-informed fiscal analyses for the Dean's annual strategic allocation of resources
- Prepared annual budget and planning documents for the college to the Office of the Provost to advocate for resources
- Developed various data-informed 1-3% budget rescission scenarios for the college in 2015
- Organized annual public college budget hearings
- Led the development of an online system for budget submission/data collection for the college, used by departments to help expedite the annual budget process

Personnel

- Advised Chairs/Directors on personnel issues (faculty and staff)
- Coordinated the review and prioritization of sabbatical requests annually
- Coordinated salary incrementation processes and helped prioritize requests for related Provost Allocation funds to address issues related to compression, inversion, etc.
- In coordination with the Dean, developed policies to facilitate joint interdepartmental faculty hires
- Co-organized Faculty Professional Development Series related to pre-tenure and mid-career professional development
- Led the revision of and maintained the Chairs/Directors Handbook
- Facilitated efforts of the College Faculty Status Committee related to tenure, promotion, Distinguished Professor nominations
- Led the transition of college tenure and promotion processes to a fully online system

2010-11

Interim Associate Dean for Facilities, Research, and IT, College of Arts and Sciences, Illinois State University, Normal, IL

As the largest college, the CAS is housed across 12 buildings across the campus. In 2018, its faculty and staff applied for 119 grants totaling over \$21 million; 86 were funded for a total of almost \$5 million. The college houses its own IT service unit called CAS-IT that delivers services to faculty and staff. Its activities are coordinated by a Director who manages eight staff members. This position was a 75% administrative FTE appointment.

Major areas of responsibility included:

- Advised the Dean on matters related to facilities management and planning, research, and information technology
- Facilitated administrative workflows for Chairs/Directors related to facilities and infrastructure management and IT
- Represented College at various University-level committees related to my assignment including University Research Council (URC), ISU Tech Council, AFAC (Facilities Council), Facilities Forum, College Council, and Council of Chairs

Facilities

- Served as college liaison for facilities and advocate for related resources/infrastructure
- Coordinated the allocation, maintenance, renovation, and relocation of college facilities
- Prepared annual the college component of the Academic Priorities for Facilities Improvements Report
- Assisted the Office of Research and Sponsored Programs with the management of the University's Animal Facility

Research

- Promoted research activities in the college
- Worked with the Office of Research and Sponsored Programs to establish a student summer internship in Washington, DC
- Helped establish the Cross-Disciplinary Grant Development Program to facilitate the development of competitive external grant proposals that crossed disciplinary boundaries
- Coordinated 2-day trip to Washington DC with faculty from across the University to enhance STEM and STEM-Ed research initiatives
- Managed the College Research Council responsible for reviewing University Research grants and college Excellence Research Awards
- Co-organized monthly Faculty Development Series workshops
- Chaired the Research Proposal Review Committee
- Coordinated annual review of University Research Grant (URG) proposals and the Interdisciplinary Scott Elliott Grant
- Managed and distributed URG Funds, annually
- Worked with the Director of CAS-IT to develop an online submission system for URG proposals

Technology

- Led the implementation of Digital Measures in the college
- Worked to advocate for IT needs on behalf of the college
- Worked to diversify the allowable expenditures from Tech-Tuition funds for student research equipment, computer software, and scientific instrumentation for teaching
- Worked with the Associate Dean for fiscal management on helping prioritize Tech-Tuition dollar spending
- Served on CAS-IT Strategic Planning committee

2007-10 ***Founder & Director, Institute of Geospatial Analysis & Mapping (GEOMAP), Department of Geography, Geology, and the Environment, Illinois State University, Normal, IL***

GEOMAP was established to support faculty research efforts in geo-spatial sciences (GIS, remote sensing and cartography), while offering students unique co-curricular opportunities for academic and professional development in geo-technologies. The focus was to work towards enhancing our understanding of the environmental and social challenges facing Illinois, in partnership with campus and the larger community.

Major areas of responsibility:

- Co-developed a business and strategic plan for the Institute and engaged four other faculty in the efforts
- Members of GEOMAP faculty and staff worked to secure grants and contracts (~\$150K) to support operations including student research assistants and staff (20 students (9 under my supervision) completed undergraduate and graduate experiences in GIS, remote sensing, and cartography during my time as Director.
- Faculty and student efforts culminated in dozens (12 under my supervision) of co-authored professional presentations, and peer-reviewed works.
- Helped design and administer fee-based professional training workshops in GIS, statistics, and U.S. census data use, for local government, non-profit agencies, and ISU community
- Wrote technical research reports and coordinated research activities with funders and community partners
- Managed one part-time AP staff member
- Mentored student research efforts
- Assisted in the development of GIS curricula on the ISU campus (i.e., MS GIS Certificate in Biological Sciences and Hydrogeology
- GEOMAP faculty established the University's GIS Council that subsequently advocated for and secured a campus-wide license for ESRI's ArcGIS software

2008-09 ***Administrative Fellow, College of Arts and Sciences, Illinois State University, Normal, IL***

This appointment provided an opportunity engage in various college-level administrative activities by shadowing Associate Deans on numerous tasks throughout the course of the year. I received a 1-course release for one semester and volunteered for the rest of the time.

Major areas of responsibility:

- Assisted the Associate Dean with program review evaluations and preparation of the documents for the Office of the Provost
- Served on the Research Proposal Review Committee to evaluate nominees for research awards and nominations for the Outstanding University Researcher, Outstanding College Researcher, and the Research Initiative Award
- Co-led Faculty Professional Development program
- Served as member of the CAS-IT Search Committee
- Attended various college outreach events

2006-07 ***Coordinator, Hydrogeology Graduate Program, Department of Geography, Geology, and the Environment, Illinois State University, Normal, IL***

Hydrogeology is a highly specialized and unique M.S. graduate program offered in our department, with typical student enrollment of 18. It is served by three dedicated and several supporting faculty members, in geology and the rest of the department. Its mission is to provide advanced education and training in groundwater and water science.

Major areas of responsibility:

- Served as departmental liaison to Graduate School
- Managed student files
- Co-advised students in plan of study formulation and provided mentorship throughout their study period
- Coordinated admissions processes
- Coordinated awards of Graduate Student Assistantships
- Coordinated student recruitment activities and outreach

2001-05 ***Academic Advisor, Environmental Studies Minor Interdisciplinary Program, Illinois State University, Normal, IL***

The interdisciplinary Environmental Studies Minor program provides students the opportunity to learn about environmental issues and the connections between human-made and natural environments. The program curriculum takes advantage of faculty talents in 10 disciplines across the university.

Major areas of responsibility:

- Served as the student advisor and mentor; assisted students with developing plans of study
- Worked with other on-campus constituencies to maintain and revise curricula (Biological Science (CAS), Philosophy (CAS), Health Sciences (CAST), and Agriculture (CAST))
- Worked to promote program and increase student interest/enrollment and retention

NOTABLE PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION ADMINISTRATION

- 2021 ▪ Women in Education Leadership, Harvard Graduate School of Education (Virtual)
- 2021 ▪ Ensuring Equitable Student Success in Higher Education, Harvard Graduate School of Education (Virtual)
- 2021 ▪ Organizational Change in Uncertain Times: A Leadership Program for Higher Education, Harvard Graduate School of Education (Virtual)
- 2021 ▪ Aligning Strategic Priorities with Financial Resources in Higher Education, Harvard Graduate School of Education (Virtual)
- 2019 ▪ Developing Emotional Intelligence, Workshop organized by Fred Pryor Seminars, Bloomington, IL.
- 2011 ▪ Legal Risks: Technology and the Academy workshop at the Annual Council of Colleges of Arts and Sciences (CCAS), Montreal, Canada
- 2011 ▪ Conflict management for Deans workshop at the Annual Council of Colleges of Arts and Sciences, Montreal, Canada
- 2010-11 ▪ University Leadership Initiative Program, Illinois State University, Normal, Illinois
- 2009 ▪ CCAS Webinar for Busy Deans: Higher Education Law & the Faculty – a 3-part series

- 2008 conference that discusses laws pertinent to higher-education faculty
- Annual Healthy Departments Workshop organized by the American Association of Geographers, Los Angeles.

SCHOLASTIC INTERESTS

I am a geographer and environmental scientist specializing in physical climatology and hydroclimatology. My work has contributed to our understanding of interannual and decadal climate variability (ENSO, PDO, NAO/AO); recent Arctic cryosphere changes, and their linkages to mid-latitude weather, North American climatology, and applied Geographic Information Systems.

SCHOLARLY PRODUCTIVITY (PEER-REVIEWED CONTRIBUTIONS)

(* indicates graduate student; ** indicates an undergraduate student participant)

- Budikova, D., and Coleman, JSM. (in preparation). Alaskan blizzard climatology and recent trends.
- Budikova, D., Ford, T, and Wright, J.* (in review). Characterizing winter season severity in the Midwest United States, Part II: Interannual Variability.
- Ford, T, Budikova, D, and Wright, J.* (in review). Characterizing winter season severity in the Midwest United States, Part I: Climatology and Trends.
- Budikova, D, Ford, T, and Ballinger, T. (2019). United States heat wave frequency linked to Arctic ocean marginal sea ice variability. *Journal of Geophysical Research - Atmospheres*. <https://doi.org/10.1029/2018JD029365>.
- Miller, J, Peterson, E., and Budikova, D. (2018). Diurnal and seasonal variation in nitrate-nitrogen concentrations in groundwater in a saturated buffer zone. *Hydrogeology Journal*. <https://doi.org/10.1007/s10040-018-1907-y>
- Budikova, D, Ford, T, and Ballinger, T. (2017). Connections between North-Central U.S. Summer Hydroclimatology and Arctic Sea Ice Variability. *International Journal of Climatology*. DOI: 10.1002/joc5097.
- Budikova, D. and Chechi, L**. (2016). Arctic sea ice and warm-season North American extreme temperatures. *Climate Research*. 67: 15-29.
- Budikova, D. (2013). Climatology. Invited contribution for *Earth Systems and Environmental Sciences*. Elsevier. Science Direct. doi: 10.1016/B978-0-12-409548-9.05907-8.
- Coleman, J.S., and Budikova, D. (2013). Eastern U.S. summer streamflow during extreme phases of the North Atlantic Oscillation. *Journal of Geophysical Research - Atmospheres*. Vol. 118, p. 1-13. DOI: 10.1002/jgrd.50326.
- Budikova, D. (2012). Northern hemisphere climate variability: Character, Forcing mechanisms, and Significance of the North Atlantic/Arctic Oscillation. Invited manuscript submitted for publication to *Geography Compass*. 1-22, 10.1111/j.1749-8198.2012.00498. x.
- Strope, SA*, and Budikova, D. (2011). The 2008 Spring Midwest Floods: A signal of changing climatic conditions? *Physical Geography*. 32: 313-337.
- Budikova, D, Coleman, JSM, Strope, SA*, and A. Austin*. (2010). Hydroclimatology of the 2008 summer U.S. Midwest floods. *Water Resources Research*. doi: 10.1029/2010WR009206.
- Budikova, D. (2010). Arctic sea ice and climate. In *Encyclopedia of Earth*. Eds. Cutler J. Cleveland. Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment. First published on August 3, 2010.
- Coleman, JSM, and Budikova, D. (2009). Atmospheric aspects of the 2008 Midwest floods: A Repeat of 1993? *International Journal of Climatology*. 30: 1645–1667.

- Budikova, D. (2009). Arctic's role in the global atmospheric circulation – A Review. *Global and Planetary Change*. 68: 149-163.
- Budikova, D. (2008). Impact of the Arctic Oscillation on U.S. Precipitation during ENSO Winters. *Climate Research*. 37: 3-16.
- Budikova, D. (2006). Albedo. In *Encyclopedia of Earth*. Eds. Cutler J. Cleveland. Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment. First published on December 16, 2006.
- Budikova, D. (2005). Interaction between the Pacific Decadal and Arctic Oscillations: Implications on winter surface air temperature across the United States. *Climate Research*. 29: 199-208.
- Budikova, D., and L. C. Nkemdirim. (2005). Relative changes in consistency of winter surface air temperature during ENSO events across western Canada. *The Canadian Geographer*. 49: 81-99.
- Budikova, D., and L. C. Nkemdirim. (2003). Annual cycle of El Niño teleconnections across western Canada. *Physical Geography*. 24: 1-25.
- Nkemdirim, L. C., and Budikova, D. (2001). Trends in sea level pressure across western Canada. *Journal of Geophysical Research: Atmospheres*. 106. No. D11. p. 11,801- 11,815.
- Nkemdirim, L. C., and Budikova, D. (1996). The El Niño-Southern Oscillation has a truly global impact: A preliminary report on the ENSO project of the Commission on Climatology. A Scientific Article. *Bulletin of the International Geographical Union*. 46: 15-21.

TECHNICAL REPORTS & ATLASES (COMMUNITY ENGAGEMENT ACTIVITIES)

(* indicates graduate student; ** indicates an undergraduate student participant)

- Budikova, D., Kostelnick, J.C., and Sublett, M. (2015). Illinois State University Geography Program Portfolio. A report submitted as part of the application for the 2016 Association of American Geographers Award for Program Excellence. 15 pp.
- Kostelnick, J.C., Budikova, D., Rowley, R., Panchal, K., Zheng, J., McCleary, M., Hanna, L., Thayn, J., and Banerjee, S. (2011). A web-enabled mapping system for hazard preparedness in Illinois: Phases 1-2. Final Technical Report prepared for the Illinois Emergency Management Agency. December 22, 2011. 79pp.
- Lax, S.*, Dougherty-O'Hara, M.** , and Budikova, D. (2007). An online atlas of Central Illinois' aging population. M. O'Donnell, ECIAAAA (ed.). Bloomington, IL. Published by GEOMAP at www.lilt.ilstu.edu/aipatlas. Atlas contains over 500 thematic maps and spatial models depicting the spatial distribution of aging population across East Central Illinois.
- Budikova, D, S. Lax*, and M. O'Donnell. (2007). Aging in Place Atlas. Demography of Aging in East Central Illinois. Online Atlas Manual. Bloomington, Illinois. 16 pp.
- Lax, S*, and D. Budikova (2006). Aging in place - Community planning and development for the aging population of Macon County, IL. Michael O'Donnell, Director ECIAAAA (ed.) A research report prepared for the East Central Illinois Area Agency on Aging (ECIAAAA). Bloomington, Illinois.
- Budikova, D., and S. Lax*. (2005). Aging in place - Community planning and development for the aging population of McLean County, IL. Research report #1. M. O'Donnell (ed.). ECIAAAA, Bloomington, IL. 96 pp.
- Nkemdirim, L., Budikova, D., and Guthrie, J. (1998). Statistical analysis of rainfall intensity in Calgary. Calgary. A City of Calgary Publication. 67 pp.

PUBLISHED ABSTRACTS AND PROCEEDINGS

Nkemdirim, L.C., and Budikova, D. (2003). Wintertime teleconnections from equatorial Pacific to western Canada during El Niño and their impact on climate variability. *Geophysical Research Abstracts*. 5: 14,298.

Nkemdirim, L. C., and Budikova, D. (1999). The Arctic High over Canada may be Losing Strength. *Proceedings of the International Conference on Climate Change and Variability. Past, Present, and Future*. Mikami, T. (ed.) International Geographical Union. Commission on Climatology. Japan Science Council. Metropolitan University. Tokyo. Japan. September 1999. 237-243.

BOOK REVIEWS

Budikova, D. (2005). Climate Atlas of Illinois by Changnon, S. A., Angel, J. R., Kunkel, K. E., and Lehmann, C. M. B. *Bulletin of the Illinois Geographical Society*. 47: 32-34.

PROFESSIONAL PRESENTATIONS (including invited events)

Budikova, D. (2021). Developing Collegial Relationships in a Department. Virtual Panel Discussion (invited panelist) organized by the American Association of Geographers' Healthy Departments Initiative. May 12, 2021.

Wang, M., Perry, W., and Seyoum, W. M. (2020). Improving Water Quality through Reducing Agricultural Nutrient Loss. Geological Society of America, Annual Conference.

Persico, G., Seyoum, W. M., Peterson, E., and Budikova, D. (2020). Sensitivity of the Sudd Wetland to climate and human impacts using satellite remote sensing. In Proceedings Geological Society of America Abstracts with Programs 2020, Volume 52, The Geological Society of America (GSA). doi: 10.1130/abs/2020AM-357521.

Wassik, J., Peterson, E. W., Budikova, D., and O'Reilly, C. (2020). Multi-year analysis of groundwater temperature fluctuations in relation to climate change. In Proceedings Geological Society of America Abstracts with Programs 2020, Volume 52, The Geological Society of America (GSA). doi: 10.1130/abs/2020AM-360104.

Ford, T, Budikova, D, and TJ Ballinger. (2018). Connections between increased incidence of US summer heat waves and sea ice decline in Hudson Bay. Fall meeting of the AGU. Washington DC, December 10-14, 2018.

Budikova, D. (2018). A tale of two siblings: Teaching about El Niño and La Niña. 2018 Geography Education in the 21st Century Conference. Normal, IL. October 20, 2018.

Budikova D, Ford T, Ballinger TJ. (2018). Regional Arctic Sea Ice Variability and Continental US Summer Heat Waves. Annual meeting of the Association of American Geographers. New Orleans, LA, April 10-14, 2018.

Coleman JS, Budikova D, Seyoum W. (2018). The influence of the El Nino-Southern Oscillation Modoki on eastern US streamflow. Annual meeting of the Association of American Geographers. New Orleans, LA, April 10-14, 2018.

Ballinger T., Budikova, D., and Ford T. (2017). Diminished Summer Arctic Sea Ice Linked to North-Central United States Moisture Extremes. Arctic Change and Its Influence on Mid-latitude Climate and Weather Agenda. US Climate Variability and Prediction Program workshop. February 1-3, 2017 (Invited).

Budikova, D., Ford T, and Ballinger T. (2016). Declining Arctic Sea Ice and Summer North-Central U.S. Hydroclimatology. Fall meeting of the American Geophysical Union, San Francisco, California. 12-

- 17 December 2016.
- Budikova, D. (2016). El Niño-Southern Oscillation Phenomenon, its changing character and impact on US climate. Presented at the Climate Science Workshop for teachers sponsored by the Chemical Society of America, Bloomington IL, September 2016.
- Budikova, D., and Ford, T. (2016). Arctic Sea Ice Variability and Summer U.S. Hydroclimatology. Presented at the American Association of Geographers Annual Meeting, San Francisco CA, March 28-April 2, 2016.
- Budikova, D. (2015). El Niño and La Niña: Why do we care? Presented at the Climate Science Workshop for teachers sponsored by the Chemical Society of America, Bloomington IL. August 29, 2015.
- Budikova, D., and Chechi, L. (2015). Summer Arctic Sea Ice and Extreme Temperatures in US and Canada. Presented at the Association of American Geographers Annual Meeting, Chicago, April 21-25, 2015.
- Budikova, D. (2015). Arctic Environmental Change and Remote Climates. Invited. Department of Geography and Environmental Resources, Southern Illinois University. March, 2015.
- Budikova, D. and Chechi, L. (2014). Arctic sea ice and warm-season North American extreme surface air temperatures. Fall meeting of the American Geophysical Union, San Francisco, California. 15-19 December 2014.
- Budikova, D. (2014). Recent Arctic sea ice decline and summertime extreme temperature conditions across North America. Invited speaker for 2014 Geography Awareness Week. Western Illinois University, Macomb, Illinois, November 18, 2014.
- Widen, H., Coleman, J., Budikova, D. (2013). The North Atlantic Oscillation: Impact on snowfall conditions in the Northeastern U.S. Fall meeting of the American Geophysical Union, San Francisco, California. 9-13 December 2013.
- Coleman, J., Budikova, D. (2013). Influence of the North Atlantic Oscillation on Eastern U.S. summer streamflow. Annual Meeting of the AAG, Los Angeles, California. 9-13 April 2013.
- Budikova, D., and J. Coleman. (2012). Atlantic influences on Eastern U.S. summer streamflow. Fall meeting of the American Geophysical Union. San Francisco. 3-8 December 2012.
- Budikova, D. (2012). The Geography and Geology partnership: Potential opportunities and challenges for the 21st century. (Invited). Annual Meeting of the AAG, New York, New York. February 24-28, 2012.
- Coleman, J., and Budikova, D. (2012). Eastern US summer streamflow conditions during extreme phases of the North Atlantic and Arctic Oscillation. Annual Meeting of the AAG, New York, New York. February 24-28, 2012.
- Budikova, D. (2011). What's up with our weather? An examination of the 2009 and 2010 winters across the Northern Hemisphere. A guest lecture given at the English Language Institute, March 2011.
- Coleman, J., Budikova, D., Strobe A*, and Austin, A*. (2010). Hydroclimatic Aspects of the 2008 Summer Midwest Floods: Distribution and Evolution. Annual Meeting of the AAG, Washington, DC. April 14-18, 2010.
- Budikova, D, Coleman, JSM, and Strobe A.* (2010). Climatic and Hydroclimatic aspects of the 2008 Summer Midwest Floods. Fall meeting of the American Geophysical Union. San Francisco. 12-17 December 2010.
- Ford, WT**, Budikova, D. (2009). Glacier Retreat in Glacier National Park, Montana: a climate-based review. West-Lakes regional meeting of the AAG. St. Paul, MN. October 30-31, 2009.
- Strobe, S*, Budikova, D. (2009). Midwestern Hydrology Associated with the 2008 Warm-Season Floods. West-Lakes regional meeting of the AAG. St. Paul, MN. October 30-31, 2009.
- Budikova, D., and Coleman, J. (2009). The 2008 Summer Midwest Floods Part I: Geography, Evolution, and Hydroclimatology. Annual Meeting of the Association of American Geographers. Las Vegas. March 21-27.

- Coleman, J., and Budikova, D. (2009). The 2008 Summer Midwest Floods Part II: Synoptic Climatology and Teleconnections. Annual Meeting of the Association of American Geographers. Las Vegas. March 21-27.
- Budikova, D. (2009). Impact of the Arctic Oscillation on ENSO-precipitation teleconnections across the eastern USA. 89th Annual Meeting of the American Meteorological Society. 21st Conference on Climate Variability and Change. 11-15 January 2009 in Phoenix, AZ.
- Strope, S.*, Knapp, G.E., Budikova, D. (2008). The Geography, Chronology, and Hydrology of the 2008 Midwest Flood Events. West Lakes Division of the Association of American Geographers. November 13-15, Bloomington, Indiana.
- Budikova, D., and Coleman, J. (2008). Atmospheric Characteristics of the 2008 Midwest Floods. West Lakes Division of the Association of American Geographers. November 13-15, Bloomington, Indiana.
- Budikova, D. (2008). The Aging in Place Atlas of East Central Illinois. The 2008 Annual Fall Conference of the Illinois Geographic Information Systems Association (ILGISA). Lombard, Illinois. November 5-6.
- Earls, J.**, and Budikova, D. (2008). Exploration of Data Mining Techniques Applied to Geophysical Data. Undergraduate Research Symposium. Illinois State University. Spring 2008.
- Budikova, D. (2006) Statistical Climatology. Department of Physics. Illinois State University. November. (Invited).
- Budikova, D. (2006) Interaction between teleconnection patterns and associated impact on U.S. winter climate. Invited presentation for the Central Illinois Chapter of the American Meteorological Society. November. (Invited).
- Budikova, D., S. Lax*. (2006) The geography of high-risk aging population in McLean County, Illinois. Macon, Vermilion, and Champaign Counties. Retreat of the East Central Illinois Area Agency on Aging, Champaign, Illinois. November 2. Decatur. (Invited).
- Budikova, D. (2006) Impact of the Northern Annular Mode on ENSO-related Precipitation Regimes. Joint Annual Meeting of the AAG Great Plains/Rocky Mountain Division and the West Lakes Division. October.
- Budikova, D. (2006) Impact of the Pacific Decadal Oscillation on relationships between temperature and the Arctic Oscillation in the USA in winter. International Geographical Congress Meeting. Brisbane. Australia. July.
- Lax, S.*, and Budikova, D. (2006) Aging in Place: Demography of Aging across McLean County, Illinois. Annual meeting of the Association of American Geographers, Chicago. March.
- Lax, S.*, and Budikova, D. (2006) Aging in Place: Demography of Aging across McLean County, Illinois. Annual meeting of the Illinois Geographical Society. Glen Ellyn, Illinois. April.
- Horrie, M.**, and Budikova, D. (2006) Aging in Place: A Study of Vermilion County, Illinois, Using GIS. Annual meeting of the Illinois Geographical Society. Glen Ellyn, Illinois. April.
- LaFollette, S., and Budikova, D. (2005). Using Geographic Information Systems (GIS) to analyze radon education in McLean County, IL. American Public Health Association Annual Meeting & Exposition. December 10-14, 2005. Philadelphia. PA.
- Budikova, D., S. Lax*. (2005). The geography of high-risk aging population in McLean County, Illinois. Retreat of the East Central Illinois Area Agency on Aging, Champaign, Illinois, November 2, 2005. Champaign, Illinois, November 2, 2005.
- Frederick, L**, Budikova, D., Waterstraat, F., and Miller P. (2005) Data analysis of ILHIMA annual meeting attendees. ILHIMA Annual Meeting, April. 2005.
- Budikova, D. (2005). Impact of the PDO on relationships between U.S. temperature and Arctic Oscillation. Annual Conference of the Association of American Geographers. Denver. USA. April 2005.

- Budikova, D. (2004). Variability of teleconnections from the equatorial Pacific to North America over the past century. Congress of the International Geographical Union, Glasgow UK, August 2004.
- Rittenhouse, S.*, Keefer, D., and Budikova, D. (2004). 3-D Mapping of Discontinuous Shale Beds in Manlove Field. Meeting of the Society of Petroleum Engineers. Bloomington, IL, March 2004.
- Budikova, D. (2004). Interdecadal variability of the strength of ENSO teleconnections with precipitation across central United States in winter. Annual Conference of the Association of American Geographers. Philadelphia. USA. March 2004.
- Nkemdirim, L. C., and Budikova, D. (2003). Wintertime teleconnections from equatorial Pacific to western Canada during El Niño and their impact on climate variability. Joint Assembly of the European Geophysical Society, American Geophysical Union and European Union of Geosciences (EGS-AGU-EUG), Nice, France, 06 - 11 April 2003.
- Budikova, D. (2002). Annual Cycle of El Niño Teleconnections Across Western Canada. West Lakes Regional Conference of the Association of American Geographers. Minneapolis, MN, Nov. 2002.
- Hart, K.*, Budikova, D., Malone, D., and Stiff, B. (2002). Geology, Aquifer Sensitivity and Proximity Analysis of Possible Contamination Sites of the Ottawa 7.5' Quadrangle, LaSalle County, Illinois. Annual GSA Meeting in Denver, Colorado, November 2002.
- Budikova, D. (2002). Variability in Surface Air Temperature Signals Across Western Canada During ENSO Conditions in Winter. Annual Conference of the Association of American Geographers. Los Angeles. USA. March 2002.
- Budikova, D. (2001). The Science of ENSO – What was, what is, and what's to come? Geography-Geology Colloquium series. ISU. March 2001
- Budikova, D. (2001). Association between tropical Pacific conditions and temperature records across Western Canada during El Niño episodes. Annual Conference of the Association of American Geographers. New York. New York. USA. February 2001.
- Budikova, D. (2000). GIS - a practical tool in climate science. Annual Teacher's Conference. ISU.
- Nkemdirim, L. C., and Budikova, D. (1999). Climate trends in western Canada. 1885-1997. International Conference on Climate Change and Variability. Japan Science Council. Metropolitan University. Tokyo. Japan. September 1999.
- Budikova, D. (1999). Canadian surface and upper-air climate database – establishment and applications. 36th Annual Department of Geography Conference. Department of Geography. University of Calgary. Calgary. Alberta. Canada. March 1999. Received honors for best research presentation.
- Budikova, D., and Nkemdirim, L. (1999). Towards a better understanding of El Niño signal in surface temperature and precipitation records in western Canada. Annual Conference of the Association of American Geographers. Honolulu. Hawaii. USA. March 1999.
- Budikova, D., and Nkemdirim, L. (1999). El Niño signal in surface temperature records in Prairie Provinces of Canada. Poster presentation. Annual Congress of the Canadian Meteorological and Oceanographic Society. Montreal. Quebec. Canada. May 1999.
- Budikova, D. (1999). Global impacts of ENSO. Department of Geography. University of Calgary. Calgary. Alberta. Canada. 1996.

FUNDED RESEARCH GRANTS, CONTRACTS (INCLUDING COMMUNITY ENGAGEMENT ACTIVITIES)

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|------|---|
| 2015 | Navigating the US Census and mining for demographic data. Census Workshop Training for ECIAAA employees (June 2015) \$3,800. |
| 2011 | Co-PI - A web-enabled mapping system for hazard preparedness in Illinois (with Kostelnick, J, and Thayn, J). Illinois Emergency Management Agency (Department of Homeland Security) (May -Sep 2011) \$88,161. |
| 2010 | Principal Investigator (PI) – Developing GIS zoning geodatabases for Logan County, Illinois |

- ((\$4,477).
- 2009 Co-PI - Central Illinois Workforce Collaborative. Economic Development Council of the Bloomington-Normal Area. With Brenda Jeffers, Mennonite College of Nursing \$10,000.
- 2008-09 PI – Developing a digital database of the ISU campus. ISU Facilities Management. Phase II. (\$18,000).
- 2008 PI – Introduction to GIS and Census Data Mapping. Summer Faculty Professional Development Fellowship. Awarded by the Faculty Excellence Initiative, Office of the Provost, Illinois State University (\$5,000).
- 2007-08 PI – Arctic Cryosphere and US precipitation Regimes. ISU College of Arts and Sciences Faculty Research Award (\$3,000).
- 2006 College of Arts and Science 2006 International Travel Grant for travel to Brisbane, Australia (\$500).
- 2006-07 PI – Aging in Place: East Central Illinois Area Agency on Aging (ECIAAA). Phase III. (\$11,450)
- 2006 AAG-NSF Travel Grant to the 31st International Geographical Union Congress in Brisbane, Australia (\$1,750).
- 2006 PI – Developing a digital database of ISU campus. ISU Facilities Management. Phase I. (\$5,280).
- 2006 PI – Aging in Place: East Central Illinois Area Agency on Aging (ECIAAA). Phase II. (\$14,915).
- 2005 PI – Aging in Place: East Central Illinois Area Agency on Aging (ECIAAA). Phase I. (\$6,000).
- 2004 AAG-NSF Travel Grant to the 30th International Geographical Congress in Glasgow, Scotland (\$1,500).
- 2004 Glasgow Travel Grant – A competitive grant awarded by the International Geographic Union (IGU) for the 2004 IGU Congress in Glasgow, Scotland (\$516).
- 2004 PI – A geostatistical analysis of the Mount Simon formation in and around the Manlove gas storage field, Champaign County, Illinois (ISGS) (\$18,000).
- 2003-04 PI – Geostatistical analysis of the occurrence, productivity and future potential of oil fields in Illinois. ISGS. (\$6,000).
- 2003 Co-PI - GIS Approach for Play Portfolios to Improve Oil Production in the Illinois Basin. ISGS. (PI – Robert Nelson – Geography-Geology, ISU) (\$5,000).
- 2001-03 Co-PI - McLean County Radon Awareness Program. Department of Nuclear Safety, Illinois (PI – Marilyn Morrow – Health Sciences, ISU) (\$28,705).
- 2002-03 Illinois State University Pre-tenure Faculty Initiative Grant (\$2,500).
- 2001-02 Illinois State University New Faculty Initiative Grant (\$2,500).
- 2000 Post-Doctoral Fellowship (January – August). University of Calgary (\$4,500).
- 1999 Female Doctoral Special Opportunity Grant in the Sciences. University of Calgary (\$3,000).
- 1998 University of Calgary Dean’s Honorary Scholarship (\$15,000).
- 1997-98 Dr. Andrew Thompson Postgraduate Scholarship in Atmospheric Science. University of Calgary (\$34,800).
- 1997 Graduate Teaching Fellowship. University of Calgary (\$4,700).
- 1995-96 Graduate Research Scholarship. University of Calgary (\$7,800).
- 1996 University of Calgary Tuition Scholarship. University of Calgary (\$3,077).
- 1996 Department of Geography graduate award for excellence in studentship. University of Calgary (\$2,500).
- 1996 Post-graduate Scholarship in Meteorology and Atmospheric Sciences. (\$17,400).

TEACHING INTERESTS AND EXPERIENCE

Department of Geography, Geology, and the Environment, Illinois State University, Normal, IL

Expected teaching load: 3:3

- Career Preparation in Geography and Environment Systems Science and Sustainability I, GEO 204A002 (2021)
- Applied Climatology, GEO 346, (2009)
- Career Preparation in Environment Systems Science I, GEO 204A02, (2021)
- Career Preparation in Geography I, GEO 204A01, (team-taught in 2015)
- Climatology and Climate Change (formerly Climate and Global Environmental Change), GEO 341, (2006-2011, 2017, 2018, 2020, 2022)
- Earth's Dynamic Weather, GEO 211, (2000-2010, 2020)
- Geographic Information Systems II, GEO 304, (2000-2007)
- Quantitative Methods in Geography I, GEO 238, (2008-2011)
- Quantitative Methods in Geography II, GEO 308, (2000-2010)
- Social Science Reasoning Using Statistics, GEO 138, (2000-2010)
- Statistics for Geologists, GEO 488.04, (2000-2010)

Department of Geography, University of Calgary, Alberta, Canada

- Instructor: Weather & Climate (1997)
- Teaching Assistant: Physical Geography, Weather & Climate, Statistics (1994 – 1997)

GRADUATE COMMITTEE MEMBERSHIPS/SUPERVISION

The geography program at Illinois State University does not offer its own graduate program. Throughout my career, however, I welcomed the opportunity to serve as a graduate student mentor in various capacities, in addition to teaching graduate students in my classes, as follows:

- Geography (Climatology). Southern Illinois University – PhD Dissertation Committee Member (2013-2014).
- Hydrogeology Graduate Program M.S. (ISU) – 18 students (16 completed; 3 as primary advisor see below)
 - Ericka Hines (2013-2016) – General Hydrogeology
 - Sarah Rittenhouse (2003-2005) – GIS/Geostatistics
 - Shane Strobe (2008-2010) – Hydrology/Hydroclimatology
- Biological Sciences M.S. (ISU), 1 student
- Politics and Government M.S. (ISU), 2 students

PROFESSIONAL AND UNIVERSITY SERVICE

Department of Geography, Geology, and the Environment, Illinois State University, Normal, IL

- Chair of faculty hiring committee (2008 - Geology, 2009 - Geography)
- Member, faculty hiring committee (2001 (2), 2003, 2005, 2006, 2007, 2008)
- Member, Department chair search committee (2000)
- Chair review committee (2005)
- Department Faculty Status Review Committee (DFSC) (2006, 2007, 2009, 2010)
- Budget committee (2003, 2004, 2005)
- Facilities, Equipment and Technology (2002)

- INTASC (2002)
- Research Committee (2001, 2002, 2003, 2004, 2005, 2009, 2010)
- Advancement Committee (2000, 2001, 2006, 2007)
- Assisted in the preparation of Geography program review (2007)

College of Arts and Sciences, Illinois State University, Normal, IL

- Member, College Curriculum Committee (2003, 2004, 2005)
- Member, Advisory Committee for the Energy Program of Excellence (2007, 2008)
- Chair of Search Committee, Department Chair, Chemistry (2008-2009)
- Member, Strategic Planning committee (2009)
- Member, Environmental Studies Minor Program Advisory Committee (2016-present)
- Mentor for a new Department Chair (2018-present)
- Search Committee Secretary, Department Chair, Communication Sciences and Disorders (2018-present)
- Member, ESSS Advisory Committee (2018-present)

Illinois State University

- Member, FORUM Committee (2000-2002)
- Member, Academic Senate (2005-2008)
 - Rules Committee
 - Academic Affairs Committee
- Member, GIS Council (2010-present)
- Member, University Council of Chairs, Secretary (2018-present)
- Member, University Assessment (2018-present)
- Member, University General Education Task Force charged with the revision and update of ISU's general education program (2019-present)
- Member, University Academic Continuity Team (COVID-19 management) (Spring 2021-present)
- Member, Data Science/Analytics Task Committee charged with the development of a new interdisciplinary B.S., and M.S. programs (2020-present)

Association of American Geographers

- Council Member, West Lakes Division Regional Councilor (2009-2012)
- Climate Specialty Group Board Member
- Young Scholar Director (2003-2005), Climate Specialty Group
- Honor's Director (2005-2007), Climate Specialty Group
- Department representative to the "Addressing Locally-tailored Information Infrastructure & Geoscience Needs for Enhancing Diversity (ALIGNED)" project (2010-2012)
- Member, Awards Committee (2018-present)

Professional Conference Activities

- Session organizer: 2002: West Lakes AAG, Minneapolis, November 2002: "Current Issues in Climate Variability and Change"
- Session organizer: 2006: Joint Annual Meeting of the AAG Great Plains/Rocky Mountain Division and the West Lakes Division. October 2006. US Climate.
- Session organizer: 2006, 2007: Student paper competition of the Climate Specialty Group of the AAG at the Annual meeting of the AAG.
- Session co-organizer: 2017, 2018: Short paper session "Climate Trends, Impacts, and Perspectives". Annual Meeting of the AAG.

Manuscript Reviewer (many several times)

- International Journal of Climatology
- Climate Research
- Bulletin of the Illinois Geographical Society
- Geophysical Research Letters
- Physical Geography
- Journal of Atmospheric and Solar-Terrestrial Physics
- Theoretical and Applied Climatology
- Journal of Climate
- Journal of Applied Meteorology
- Nature Geoscience
- Atmosphere
- Climate Dynamics
- Earth Systems Dynamics

Grant Proposal Reviewer:

- National Science Foundation

Textbook Reviewer:

- Introduction to Climatology (Vega and Rohli)
- Statistics: The art and science of learning from data (Agresti and Franklin).

OUTREACH EFFORTS: MEDIA

- 2019 Interviewed with several media outlets – American Geophysical Union, Globosphere; Express.co.uk, Phys.org, Daily Post, The Guardian, Mongabay, Arctic Today, E&E News, Eco-business, and the Pantagraph on latest research about linkages of Arctic sea ice decline and US Summer heatwaves.
- 2017 Interviewed with WGLT about Hurricanes and Climate Change.
- 2013 Interviewed with WJBC about Spring weather across the Midwest
- 2013 Interviewed with Media Matters Media Ignore Climate Context Of Midwest Floods at <http://mediamatters.org/research/2013/05/07/study-media-ignore-climate-context-of-midwest-f/193936>.
- 2012 Interviewed with WGLT about 2012 Midwest Summer Drought and Climate Change
- 2011 Interviewed with WGLT about El Niño/Southern Oscillation
- 2008 Interviewed by TV Channel 10 about hurricane Gustaf (September); Vidette interview on flash flooding and hurricane Ike (September)
- 2007 Interviewed several times by the Daily Vidette regarding GEOMAP and climatology
- 2005 Interviewed by the Daily Vidette on Hurricanes and climate change. (September).
- 2002 Interviewed by Daily Vidette regarding the state of the Environmental Studies Program (November)
- 2002 Interviewed by Daily Vidette regarding ENSO conditions in Illinois (April)
- 2002 Interview by Daily Vidette on state of current winter conditions (February)
- 1998 Interviewed with a local television station regarding the theory of ENSO and seasonal weather forecasts for winter conditions over Alberta
- 1998 Interviewed with the Calgary Herald and Alberta Farmer news publications concerning climate change issues in Canada; El Niño 1997 and Alberta weather

OUTREACH EFFORTS: PROFESSIONAL WORKSHOPS

- Budikova, D. ISU Geography – The perfect partner in Higher Education. Building a Healthy Discipline through Strong Partnerships. Geography Education in the 21st Century Conference, Illinois Geographic Alliance. Illinois State University, November 1, 2017.
- Budikova, D., and Knapp, G.E. Community Mapping in GIS. A 1-day workshop for ISU faculty and staff. Illinois State University. March 2009.
- Budikova, D. Guidance on Choosing a Sampling Design for Environmental Data Collection for Use in Developing a Quality Assurance Project Plan. EPA QA/G-5S. Designed as a two-day workshop. Illinois State Environmental Protection Agency. Springfield. Illinois. Oct. 2004. Jan. 2007.
- Budikova, D. Introduction to Statistics for Environmental Scientists. Designed as a 4-day workshop. Illinois State Environmental Protection Agency. Springfield. Illinois. January 2007. Offered 2-day workshop in sampling statistics to IEPA employees. July & August 2005.
- Bloom, A., and Budikova, D. "Natural Disasters – Where are they? Exploring natural disasters through GIS technology". Workshop organized for ISU's Expanding Your Horizons through Math, Science and Technology, April 2, 2005.

PROFESSIONAL AFFILIATIONS

- Association of American Geographers (AAG)
- Illinois Geographical Society (IGS)
- American Geophysical Union (AGU)
- American Association for the Advancement of Science (AAAS)
- Council of Colleges of Arts and Sciences (2010-2015)