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<b>EDUCATION</b>	<i>Arizona State University, Tempe, AZ</i>	
	Doctor of Philosophy in Geography	Projected Graduation - Dec. 2022
	<i>Saint Louis University, St. Louis, MO</i>	
	Master of Science in Sustainability	2018
	Graduate Certificate in Advanced Remote Sensing & GIS	2018
	Master of Public Health in Biosecurity & Disaster Preparedness (Delta Gamma)	2016
	Bachelor of Science in Meteorology (Magna cum laude)	2006

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## RESEARCH INTERESTS

Urban Planning; Public Health; Emergency Management; Sustainability; Urban Resilience; Climate Change Adaptation

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## PUBLICATIONS

### Refereed Journals

3. Gordon, R. M., Rebmann, T., & Gilbertson, P. (2016). 11-244 - Children and Childcare Employees Vaccine Uptake, and Support for a Childcare Agency Employee Mandatory Vaccination Policy. *American Journal of Infection Control*, 44(6, Supplement), S134.
2. Rebmann, T., Arnold, L. D., Elliott, M. B., Gilbertson, P., & Wakefield, M. (2016). Vaccination for child clients and employees in St Louis childcare agencies: Vaccine uptake and policies versus parents' perceptions. *American Journal of Infection Control*, 44(9), 1010-1015.
1. Rebmann, T., Wang, J., Wilson, K. D., Gilbertson, P., and Wakefield, M. (2016). Parents' and staff's support for a childcare agency employee mandatory vaccination policy or agency certification program. *American Journal of Infection Control*, 44:799-804.

### Policy Reports

4. Gilbertson, P. & Brundiars, K. (2019). "A Community Resilience Approach to Emergency Management." Tempe, AZ: Report prepared for the City of Tempe.
3. Gilbertson, P., Brundiars, K., & Kay, B. (2019). "The Whole Community Approach: Emergency Management, Resilience, and Sustainability." Tempe, AZ: ASU - Sustainable Cities Network & Hazards and Disasters X-Change.
2. Gilbertson, P., Brundiars, K., & Kay, B. (2019). "The Whole Community Approach: Hazard Mitigation & Disaster Recovery." Tempe, AZ: ASU - Sustainable Cities Network & Hazards and Disasters X-Change.
1. Gilbertson, P., Brundiars, K., & Kay, B. (2019). "The Whole Community Approach: Emergency Preparedness and Response." Tempe, AZ: ASU - Sustainable Cities Network & Hazards and Disasters X-Change.

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## RESEARCH SUPPORT

### Awarded Research Fellowships and Grants

2019-2020	Urban Resilience to Extremes (UREx) Sustainability Research Network Graduate Research Fellowship	\$19,000
2019	Urban Resilience to Extremes (UREx) Sustainability Research Network Graduate Research Grant	\$2,000
2018-2019	Arizona State University SGSUP Nexus Research Fellowship (SNRF)	\$25,000
2014	Saint Louis University – Biosecurity Institute – Graduate Research Assistantship	\$16,500

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## ACADEMIC PRESENTATIONS

### Sessions Organized & Chaired

2019 – “The Role of Urban Resilience, Climate Change Adaptation, and Sustainability Planning in Disaster Risk Reduction I & II” (two paper sessions). *American Association of Geographers Annual Meeting*. Organizers: Philip G. Gilbertson, Sara Meerow. Chair: Philip Gilbertson. Washington, DC, April 3-7.

### Conference Presentations

2019 – “Evaluating the potential for urban resilience planning to mitigate long-term flood risks.” *American Association of Geographers Annual Meeting*. Washington, DC, April 3-7.

### Poster Presentations

2016 – “Uptake of Influenza, Pertussis, and Hepatitis A Vaccine Among Childcare Staff and Parents of Children in Childcare.” *47<sup>th</sup> National Immunization Conference. Centers for Disease Control and Prevention*. Atlanta, GA, September 13-15.

### Non-Conference Research Presentations

2019 – “Operationalizing Resilience Across City Practitioner Disciplines: A Comparison of Chief Resilience Officers (CRO) and Emergency Managers.” Research proposal for UREx All Hands Meeting. Baltimore, MD, April 19. *One of two presentations awarded graduate research grant*.

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## PROFESSIONAL PRESENTATIONS

### Sessions Organized & Chaired

2019 - “The Whole Community Approach: Emergency Management, Resilience, and Sustainability.” *ASU - Sustainable Cities Network & Hazards and Disasters X-Change*. Organizers: Katja Brundiers, Philip G. Gilbertson. Chair: Katja Brundiers. Moderators: Braden Kay, Philip Gilbertson. Tempe, AZ, April 30.

2019 – “The Whole Community Approach: Hazard Mitigation & Disaster Recovery.” *ASU - Sustainable Cities Network & Hazards and Disasters X-Change*. Organizers: Katja Brundiers, Philip G. Gilbertson. Chair: Katja Brundiers. Tempe, AZ, March 18.

2019 – “The Whole Community Approach: Emergency Preparedness and Response.” *ASU - Sustainable Cities Network & Hazards and Disasters X-Change*. Organizers: Katja Brundiers, Philip G. Gilbertson. Chair: Katja Brundiers. Tempe, AZ, February 27.

## Presentations

2019 – “A Community Resilience Approach to Emergency Management.” *City of Tempe – City Hall*. Tempe, AZ, October 1 & 31.

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## EMPLOYMENT HISTORY

### Selected Positions

Deputy Director of Operations (part-time) Nov 2018 – Present  
Joint Reserve Intelligence Support Element – Phoenix U.S. Strategic Command, Phoenix, AZ

- Oversees intelligence operations and training for 50+ member unit of Air Force & Navy reserve personnel; coordinates analysis and production in support of the U.S. Strategic Command (USSTRATCOM) Joint Intelligence Operations Center (JIOC)

GEOINT Program Manager Aug 2017 – July 2018  
HQ Air Mobility Command U.S. Air Force, Scott AFB, IL

- Spearheaded first geospatial intelligence (GEOINT) program concept of operation (CONOP); liaised with National Geospatial Intelligence Agency (NGA); established lines of efforts & priorities; led development of GIS training/education initiatives; initiated directorate data strategy & governance plan
- Aligned program with HQ Air Force strategy; postured program to capitalize on lessons-learned and overcome past deficiencies; key hiring board member for civilian GEOINT Program Manager (GS-13); authored contract for geospatial support services (includes geospatial analysts, systems administrators, web developers, & data managers)
- Designed enterprise-solution around ArcGIS platform; structured to deliver web-based GIS to geographically separate units/branches
- Coordinated efforts with command directorates (notably AMC/A2 – Intelligence & AMC/A4 – Civil Engineering, Force Protection, & Logistics) to reduce geospatial duplication of efforts, explore cost savings, and ensure data cross-flow

Senior Intelligence Duty Officer Mar 2013 – Jul 2017  
HQ Air Mobility Command U.S. Air Force, Scott AFB, IL

- Synchronized all-source intelligence, risk analysis, and policy recommendations for mobility flight operations, contingency support, and disaster relief efforts; assured safety of 400+ flights/day
- Maintained worldwide situational awareness through information systems and GIS software; minimized operational risk and vulnerabilities; communicated recommendations to senior leaders and field operators; excellent and succinct communications skills
- Coordinated intelligence training and education branch responsible for 104 geographically separated units
- Authored Intelligence Support Continuity-of-Operations (COOP) plan for Air Operations Center; ensured transfer of personnel, records, and mission operations to geographically separated location;

Public Health Intern – Emergency Response Planner Apr 2016 – Jul 2016  
Department of Health City of Saint Louis, St. Louis, MO

- Incorporated federal and state medical/health assets into city disaster plans; developed city's first 'Military Support Emergency Support Function' for inclusion in emergency operations plan (EOP)
- Utilized GIS platforms (ArcGIS & Google Earth) to update and map existing medical/health infrastructure and vulnerable populations
- Provided planning research on open/closed points of dispensing (PODs), bioweapon victim decontamination, and utilization of door-to-door delivery of strategic national stockpile (SNS) pharmaceuticals

Graduate Research Assistant

Institute for Biosecurity

Aug 2014 – Jun 2015

Saint Louis University, St. Louis, MO

- Managed research study for public health researcher (Ph.D.); collected data via community surveys; performed descriptive statistics; co-authored professional journal articles; background research on biological hazard preparedness and response

Assistant Director of Operations

10<sup>th</sup> Combat Weather Squadron

Apr 2012 – Nov 2012

U.S. Air Force, Hurlburt Field, FL

- Organized and led unit operations; managed 82 personnel, \$454K budget, and \$6.5M in equipment, to conduct special operations worldwide
- Designed & implemented new training plan for unit; saved 16,000 personnel hours/year while accomplishing same mission
- Lauded as unit's best exercise planner/evaluator; managed logistics, vehicle operations, communications, job training, and contingency exercise evaluations

Flight Commander

10<sup>th</sup> Combat Weather Squadron

Dec 2009 – Apr 2012

U.S. Air Force, Hurlburt Field, FL

- Supervised 14-person team conducting environmental reconnaissance (i.e. weather observation & forecasting; terrain, riverine, snowpack, and littoral surveys) for U.S. Special Operations Command; planned and executed team training cycle; managed \$100K training budget; ensured accountability and compliance with DoD/federal regulations
- Led environmental reconnaissance missions in overseas, austere, and politically sensitive locations; competent in team field operations, communications, force protection, and logistics; combat deployment experience
- Liaised with U.S. Army Corps of Engineers to create first-ever flood inundation maps for Afghanistan watersheds, safeguarding civilian populations and U.S. military assets; operational experience fielding environmental remote sensing equipment

Assistant Flight Commander/Lead Meteorologist

17<sup>th</sup> Operational Weather Squadron

Jun 2006 – Nov 2009

U.S. Air Force, Hickam AFB, HI

- Led 28-member team at the U.S. Pacific Command weather operations center; synchronized meteorological forecasts and oceanographic support for 53 U.S. installations/facilities, as well as weather support to humanitarian and contingency responses throughout the Pacific Ocean region
- Oversaw and approved time-sensitive weather watch, warnings, and advisories to safeguard personnel, equipment, and facilities; applied professional judgement to operational risk mitigation
- Ensured adequate work scheduling for 24/7 weather operations center; maintained quality assurance of operational weather forecast products; supervised team training; assured compliance with all Air Force and DoD directives and regulations.

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**AWARDS & HONORS**

2016 – Delta Omega (Honor Society in Public Health)

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**PROFESSIONAL MEMBERSHIP**

American Association of Geographers  
American Planning Association  
Association of Collegiate Schools of Planning  
Lincoln Institute of Land Policy  
United States Geospatial Intelligence Foundation