



Berill Blair

Researcher

berill.blair@wur.nl

berillblair.com

[/in/berillblair/](https://in.berillblair/)

EDUCATION

2017

PhD Natural Resources and Sustainability

University of Alaska Fairbanks

Resilience & Adaptation Program Fellow

2010

MA Global Environmental Policy

University of Alaska Fairbanks

2002

BS Computer Science

Western Oregon University

RESEARCH THEMES

coproduction

climate change adaptation

cross-sector partnerships

stakeholder management

responsible innovation

futures literacy

participatory modeling

social-ecological systems

coastal & marine governance

risk & disaster governance

ACADEMIC POSITIONS

2017 - present

Postdoctoral Researcher

Wageningen University and Research (Netherlands),

Principal Investigator: FOCUS project (01.2021-09.2021)

Work package lead: SALIENSEAS project (09.2017-01.2021)

Topics: co-production of knowledge; climate services; responsible innovation; adaptation governance; resilience

Tasks: usability testing; scenario development; stakeholder engagement; actionable science; innovating co-production approaches (*foresight methods, focus groups, simulation/gaming, agent-based modeling*), consensus analysis

2012 - 2017

PhD Fellow

University of Alaska Fairbanks (USA), International Arctic Research Center

Topics: resilience & adaptation; climate change; socioeconomic drivers of change; community wellbeing; Indigenous Knowledge; food security in subsistence economies; disaster resilience; adaptive governance

Tasks: policy analysis; qualitative content analysis; risk perception modeling; cross-cultural communication; interdisciplinary collaboration; complex multivariate statistical analyses; cultural consensus analysis

AWARDS, GRANTS

EUR 1.3 million

Principal Investigator for Wageningen University contribution in consortium. Norwegian Research Council Grant (Project no. 301450). "Accounting for forecast uncertainties in communicating sea-ice and weather information in the Arctic (FOCUS)" project.

USD 22,000

Resilience and Adaptation Program Fellowship Grant, UAF

USD 9,900

National Science Foundation EPSCoR Fellowship Grant, UAF

USD 7,100

Various travel grants: National Science Foundation IGERT Travel Grant; IASC/RATIC-APECS Travel Award; Arctic-FROST Early Career Fellow Grant

MAJOR COLLABORATIONS

Principal Investigator (WP3) (2021-2021)

FOCUS (Accounting for forecast uncertainties in communicating sea-ice and weather information in the Arctic). MET Norway, NAVTOR AS, Hurtigruten, Wageningen University, Copernicus Marine Service, Nansen Environmental and Remote Sensing, Barents Watch.

Work Package Lead (2017-2021)

SALIENSEAS (Enhancing the Saliency of climate services for marine mobility Sectors in European Arctic Seas). Wageningen University, MET.no, DMI.dk, UiT.no, Umea University

Working Group Member (2016-2017)

AMAP (Arctic Monitoring and Assessment Programme Working Group of the Arctic Council)

Research Fellow (2013-2016)

Northern Alaska Scenarios Project / International Arctic Research Center, University of Alaska Fairbanks, USA

2007 - 2010

Teaching & Research Assistant

University of Alaska Fairbanks (USA), Department of Political Science

Topics: political economy; oil development impacts on mixed cash-subsistence economies; polar bear policies of range states

Tasks: lecturing students; grading exams; comparative analysis of risk management regimes; stakeholder interviews

TEACHING

Lecturer, Wageningen University & Research

- Ocean and Coastal Governance (graduate course)
- Environment and Development (graduate course)

Thesis supervisor, Wageningen University & Research

- Supervisor for Master's and Bachelor's students

Course project supervisor, Wageningen University & Research

- Principles of Environmental Sciences (graduate course)
- Environmental Project Studies (Bachelor's course)

Examiner, Wageningen University & Research

- International Study Visits (Bachelor's course)

Teaching Assistant, University of Alaska Fairbanks

- Political Economy of the United States (Bachelor's course)

PUBLICATIONS

ARTICLES

Blair, B., Malte, M., Palerme, C., Blair, R., Crookall, D., Knoll-Kauffman, M., Lamers, M. (revised & resubmitted). Coproducing Sea-Ice Predictions Using Simulation-Gaming. *Weather, Climate and Society*. [14\(2\):399-413](#).

Rautenbach, C., & Blair, B. (2021). Marine Meteorological forecasts for Coastal Ocean Users—Perceptions, Usability and Uptake. *Geoscience Communication* 4(3):361-381.

Blair, B., & Kofinas, G. P. (2020). Cross-scale risk perception: differences between tribal leaders and resource managers in Arctic Alaska. *Ecology and Society*, 25(4):9.

Blair, B., & Lovcraft, A. L. (2020). Risks Without Borders: A Cultural Consensus Model of Risks to Sustainability in Rapidly Changing Social-Ecological Systems. *Sustainability*, 12(6), 2446.

Research Fellow (2012-2017)

“Alaska Adapting to Changing Environments” an EPSCoR (National Science Foundation) project.
University of Alaska Fairbanks, USA

Working Group Member (2007-2008) 4th

International Polar Year: Indigenous Knowledge and Western Science Group /
University of Alaska Fairbanks, USA

PROFESSIONAL SERVICE

Conference/Workshop Organization

Workshop Convener, Lead

2020 Simulation / serious gaming workshop, Tromsø, Norway

2018 Stakeholder Advisory Group workshop, Tromsø, Norway

2018 Scenario development workshop, Copenhagen, Denmark

Workshop Coordinator/Moderator

2018 European Polar Board Open Session (PPP-SERA)
The Hague, Netherlands

2015 Scenario development workshops with 3 rural communities: Utqiagvik | Kotzebue | Anchorage in Alaska, USA

Conference Session Chair

2014 Resilience 2014 conference, Montpellier, France
Session “Pathways of Resilience in a Rapidly Changing Alaska”

Consultancy, Peer Review

Consultant, Polar Research and Policy Initiative, London, U.K.

Reviewer, Ecology and Society | Polar Geography | Society and Natural Resources

Service to University and Department

Employee Council, Social Sciences Group, Wageningen University & Research

Data Management Policy, Environmental Policy Group, Wageningen University & Research

Memberships

Resilience Alliance Foresight

Europe Network

Blair, B., Lee, O. A., & Lamers, M. (2020). Four Paradoxes of the User-Provider Interface: A Responsible Innovation Framework for Sea Ice Services. *Sustainability*, 12(2), 448.

Blair, B., A. L. Lovecraft, and G. P. Kofinas. 2014. Meeting Institutional Criteria for Social Resilience: A Nested Risk System Model. *Ecology and Society* 19(4): 36.

under review / in revision:

Blair, B., Gierisch, A.M.U., Jeuring, J., Olsen, S.M., Lamers, M. Mind the gap! A consensus analysis of users and producers on the usability of new sea-ice information. (revised & resubmitted) *Climate Services*.

Lee, O., Eicken, H., **Blair, B.**, Sam, J.M. (revised & resubmitted) Scenarios of energy development on the North Slope of Alaska to prioritize research and monitoring needs. *Polar Geography*.

Lovecraft, A.L., Lee, O., Cost, D.S., **Blair, B.**, Mueller-Stoffels, M., Fresco, N., Hillmer-Pegram, K., Hum, R., Eicken, H. (in review) Managing Alaska Social-Environmental Systems in a New Arctic Mid-Century: A Synthesis of Five Participatory Scenarios. *Sustainability*

BOOK CHAPTERS

Blair, B., Lovecraft, A., Hum, R. (2018). The Disaster Chronotope: Spatial and Temporal Learning in Governance of Extreme Events. In S. Bonati., L.M. Calandra, and G. Forino (Eds.) *New Trends for Governance of Risks and Disasters: Theory and Practice*. Routledge: Abingdon, Oxfordshire, U.K.

SCIENTIFIC REPORTS, WHITE PAPERS

Máñez Costa, M.; Oen, A.M.P.; Neset, T.-S.; Celliers, L.; Suhari, M; Huang-Lachmann, J-T.; Pimentel, R.; **Blair, B.**; Jeuring, J.; Rodriguez-Camino, E.; Photiadou, C.; Columbié, Y.J.; Gao, C.; Tudose, N.-C.; Cheval, S., Votsis, A.; West, J.; Lee, K.; Shaffrey, L.C.; Auer, C.; Hoff, H.; Menke, I.; Walton, P.; Schuck-Zöller, S. (2021). Co-production of Climate Services: A diversity of approaches and good practice from the ERA4CS projects (2017–2021). CSPR Report No 2021:2, Centre for Climate Science and Policy Research, Norrköping, Sweden. [\[URL\]](#)

Blair, B. and Muller-Stoffels, M. (2019). Maritime Futures 2035: The Arctic Region: Workshop Report & Technical Documentation. Wageningen University. [\[URL\]](#)

Lamers, M.A.J., Knol, M., Müller, M., **Blair, B.**, Jeuring, J.H.G., Rasmussen, T. and Sivle, A., (2018). Enhancing the Saliency of climate services for marine mobility sectors in European Arctic seas (SALIENSEAS): Stakeholder Advisory Group workshop report. Wageningen University. [\[URL\]](#)

European Geophysical Union

International Arctic Social Sciences Association

COPRODUCTION PORTFOLIO

healthy, sustainable communities; resilient maritime sectors; socioeconomic narratives; climate services



Tromsø: simulation/gaming



Copenhagen: Arctic scenarios



Tromsø: risk mapping



The Hague: mariner perspecti..



Utqiagvik, Alaska: scenarios



Kotzebue, Alaska: scenarios

OUTREACH & FACILITATION

engagement with policy makers; actionable science; public outreach; engaging students in active learning



Danish Parliament: SDGs



Onboard m/v Hondius



UNESCO-Futures Literacy



Serious gaming w/students

Lovecraft, A.L., Fresco, N., Cost, D., **Blair, B.** (2018). *Northern Alaska Scenarios Project Report*. International Arctic Research Center, University of Alaska Fairbanks. [URL]

Preston, B.L., Lovecraft, A.L., Cost, D., **Blair, B.**, Lee, O., Hillmer-Pegram, K., Wesche, S., Hum, R., Absar, M., Ernst, K., Fresco, N. (2017). *Scenarios Thinking for the Bering / Chukchi / Beaufort Region*. In *Adaptation Actions for a Changing Arctic*. Arctic Monitoring and Assessment Programme (AMAP) of the Arctic Council, Oslo, Norway.

Menezes, D.R., Milheres, C., Field, T., **Blair, B.**, Mutual, A. (2017) *Closing the STEM skills gap inquiry: Written Evidence Submitted to the U.K. Parliament Science and Technology Committee. The Honourable the Commons of the United Kingdom of Great Britain and Northern Ireland in Parliament Assembled.*

MONOGRAPHS

Blair, B. (2017). *Toward Arctic Transitions and Sustainability: Modeling Risks and Resilience Across Scales of Governance*. University of Alaska Fairbanks.

Blair, B. (2010). *Risk Society On The Last Frontier: Indigenous Knowledge And The Politics Of Risk In Oil Resource Management At Alaska's North Slope*. University of Alaska Fairbanks.

PUBLIC INTEREST

Blair, B. (2019). *Climate Vulnerability Index for World Heritage: From Orkney to the Arctic*. *Polar Research and Policy Initiative*. [URL]

Blair, B. (2017). *U.S. Arcticness 150 Years After the Alaska Purchase*. *Polar Research and Policy Initiative*. [URL].

Blair, B. (2016). *Beyond Transitions: US Arctic Leadership and the Future for Climate-Displaced Populations*. *Polar Research and Policy Initiative*. [URL].

SELECT PRESENTATIONS

2021 "Experiences from the SALIENSEAS Project" - *Co-production in the European Arctic Weather, Water, Ice and Climate Services, PPP-SERA Workshop* [online]

2020 "Foresight Work in the SALIENSEAS Project" - *Roundtable, Foresight Europe Network* [online]

2020 "ICEWISE: A game to test the effects of sea ice forecast reliability on voyage planners' confidence" *General Assembly, European Geophysical Union* [online]

REFERENCES

Dr. Machiel Lamers, Associate Professor,
Environmental Policy Group, Wageningen University
and Research. Post Box 8130, 6700EW,
Wageningen, Netherlands
machiel.lamers@wur.nl +31 317 484274

Dr. Malte Müller, Research Professor
Norwegian Meteorological Institute.
P.O. Box 43 Blindern, N-0313 Oslo, Norway
maltem@met.no

Prof. Amy Lauren Lovecraft, Director Center for Arctic
Policy Studies/Professor Department of Political
Science. University of Alaska Fairbanks
P.O. Box 756420 Fairbanks, AK 99775-6420 USA
alovecraft@alaska.edu +1 907 474 6958

LANGUAGES

English: Native fluency

Hungarian: Native fluency

Dutch: Beginner

CITIZENSHIP

Dual US / Hungarian citizenship

2020 "Socio-economic scenarios to aid coproduction of climate services in sea ice social-ecological systems" - *Arctic Frontiers*, Tromsø, Norway.

2019 "An Agent-based Mobilities Assessment for Enhanced Arctic Climate Services" - *Polar 2018 Conference*, Scientific Committee on Antarctic Research and the International Arctic Science Committee, Davos, Switzerland.

2018 "Participatory risk and vulnerability assessment to decrease uncertainties in Arctic weather and sea-ice forecasting"
- *Arctic Frontiers*, Tromsø, Norway.

2017 "Toward Arctic Transformations and Sustainability: Modeling Risks and Resilience Across Scales of Governance"
- *Globalizing Polar Issues* conference, Crans-Montana, Switzerland.

2017 "Modeling Risk Priorities: Comparing Views on Sustainability between North Slope Tribal Leaders and State and Federal experts" - *Alaska Forum on the Environment*, Anchorage, Alaska USA.

2015 "Raising the New Without Razing the Old: Arctic Alaska Communities Navigating Sustainability and Risks in the New Millennium"
- *1st Central European Polar Meeting*
Vienna, Austria.

2015 "Scenarios planning as a tool for risk management" - *Alaska Forum on the Environment*, Anchorage, Alaska USA.

2014 "Engaging scale and meaning in formulating policy learning for disaster governance" - *Arctic Change Conference*, Ottawa, Canada.

2014 "Long-term planning for healthy sustainable communities: A focus on risks, learning and education" - *Arctic Science Conference*, Fairbanks, Alaska USA.

2014 "Meeting institutional criteria for social resilience: a nested risk system model" - *Resilience 2014 Conference*, Montpellier, France

2014 "Risk Perception as a Complex Dynamic System: Scenarios as a Tool for Assessment" - *Alaska Forum on the Environment*, Anchorage, Alaska USA.