

KATRINE'S

CURRICULUM VITAE

CAREER HISTORY

Since 5/2019

Katrine Frese Consulting, Whitehorse

Principal

- Develop business, focusing on environmental sciences, natural hazards and climate change

Since 8/2019

Yukon College - Yukon University since May 2020 - , Whitehorse

Instructor/Coordinator Climate Change Policy, School of Liberal Arts

- Teaching the four online Post-Degree Certificate in Climate Change Policy courses,
- Develop and update curriculum for these courses and the field school, including securing guest speakers and logistics for field school
- Manage internal and external communications and foster effective working relationships with multiple stakeholder groups, including federal, territorial and First Nations governments, NGOs, scientists, students, the public at large
- Student coordination
- Marketing and communications focusing on recruiting

09/2018 – 08/2019

Ta'an Kwach'an Council (TKC), Whitehorse

Environmental Assessment Technician

- Conduct land use application and decision document reviews and compile submissions to Government of Yukon departments and the Yukon Environmental and Socio-economic Assessment Board, ensuring TKC's rights and obligations under the Final Agreement are protected
- Coordinate departmental, technical and other input into the review process in order to ensure all relevant information and views from the TKC are provided to Government of Yukon
- Liaise with Government of Yukon, other First Nation Governments, NGOs and the research community, as applicable, on development assessment matters
- Represent TKC in the Mining MOU working group with CYFN and YG
- Represent TKC on the Yukon Climate Change Committee on Adaptation (Y3CA) and in the development of Government of Yukon's new strategy on climate change, energy and green economy
- Regular reporting to Chief and Council for Lands, Resources and Heritage Department about current development project under assessment
- Conduct field work (site visits, baseline data collection)

11/2015 – 8/2018

Yukon College, Whitehorse

Instructor/Coordinator Climate Change Policy, School of Liberal Arts

- Design and teach the new Post-Degree Certificate in Climate Change Policy, which was launched in Fall 2017 and consists of four online courses and a field school
- Develop curriculum for the four online courses and the field school, including securing guest speakers and logistics for field school
- Manage internal and external communications and foster effective working relationships with multiple stakeholder groups, including federal, territorial and First Nations governments, NGOs, scientists, students, the public at large
- Create and give presentations to various audiences
- Student coordination
- Marketing and communications, including
 - preparing Web Page content,
 - developing (i.e. writing and lay out) course brochure and fact sheet,
 - organizing and leading outreach/info sessions for Yukon Government, Federal Government, Yukon First Nation Government, Yukon Communities, College and University contacts, NGOs, students and the larger public,
 - press releases, and
 - undertaking media outreach securing coverage in CBC and CKRW radio, CBC webpage, as well as local papers.

05/2010 – 10/2015

Yukon Environmental and Socio-Economic Assessment Board (YESAB)

2013 - 2015

Manager, Whitehorse Designated Office

2012 – 2013

Manager, Mayo Designated Office

- Manage operations of the office, develop and implement internal processes and procedures, supervise and mentor up to three staff.
- Manage annual office budget of approximately \$500 000.
- Manage internal and external communications and foster effective working relationships with diverse stakeholder groups, including private sector clients, federal, territorial and First Nations governments, municipalities, board of directors, First Nations organizations (e.g. First Nations Development Corporations, Renewable Resource Councils), external consultants, scientists, interest groups, the public at large
- Develop policies, guidance documents, assessment standards and tools for proposed development projects (including mining, hydro power and subdivisions).
- Manage and coordinate approximately 60 projects under assessment each year, and lead the assessment of 15 to 20 projects annually to identify significant adverse environmental and socio-economic effects, including site visits, managing contracts for technical support; developing associated mitigation strategies; and preparing and

making recommendations to decision-makers.

- Establish multi-disciplinary working groups, including external technical consultants to secure comprehensive scientific expert advice within the assessment process.
- Act as internal expert on climate change impacts (ground and surface water, permafrost, air quality, potential landslides and flooding, green-house gas emissions, etc.).
- Create and give presentations on processes and requirements to stakeholders and proponents.
- Participate in about 10 outreach events annually.
- 2013-2014: Member of the Project Advisory Committee for the *Incorporation of Climate Change in Environmental Assessments of Mining Projects*.
- 2011-2012: Led collaborative initiative with Yukon College, Northern Climate Exchange (NCE) aimed at integrating climate change considerations in assessments under the *Yukon Environmental and Socio-economic Assessment Act (YESAA)*.

2010 – 2012

Assessment Officer, Whitehorse

- Analyzed and evaluated three project submissions during the Executive Committee Screening process, as part of a screening team.
- Played a leading role in assessments on water-related issues.
- Provided support to Designated Offices on specific assessment.
- Developed guidance documents related to climate change impacts and assessments as well as modeling requirements in general in project proposals submitted to YESAB.

10/2005 – 05/2008

Zurich Insurance Company, Zurich (Switzerland)

Geologist, Natural Catastrophe Expert

- Responsible for risk analysis and risk management of natural hazards, including extreme weather events and climate change impacts.
- Insurance exposure control of the company's worldwide property business using Geographical Information System (GIS) tools.
- Performed quantitative data modeling of the natural hazard threat to these exposures.

2007

Swiss Forum of the Academy of Science and Advisory Body on Climate Change (Occc)

- Reviewer: *Climate Change and Switzerland 2050: Expected Impacts on Environment, Society and Economy*
<http://proclimweb.scnat.ch/portal/ressources/864.pdf>

- 09/2002 – 08/2005 PartnerRe Zurich Branch, Zurich (Switzerland)**
Assistant Catastrophe Underwriter
- Underwriting of Non-Proportional Property Catastrophe Excess of Loss reinsurance business (including performing quantitative data modeling, pricing and contracts).
 - Provided knowledge transfer between research and underwriting divisions.
 - Designed, organized and delivered internal staff training for two departments.
- 1998 – 2002 Institute for Mineralogy and Petrography, ETH Zurich (Switzerland)**
Doctorate Student and Teaching / Research Assistant
- Organized, prepared and taught lectures and labs.
 - Assisted five excursions & field classes on average per year in the area of metamorphic and structural geology.
 - Supervised three master students and managed the microscopy lab.
 - Performed various administrative tasks.
 - Member of Department Committee, Department of Earth Sciences.
- 1994 - 1997 Geological Institute & Institute for Mineralogy, RWTH Aachen University, Germany**
Geology Student and Lab / Teaching Assistant
Prepared and taught classes and lectures in petrography, mineralogy and cartography.
- Geochemistry lab assistant: Prepared and run samples for whole rock geochemistry
Assisted in redesign of the university's mineral resources exhibition.
- 1995 KFA Jülich GmbH, Jülich, Germany**
Summer intern in aquatic-geochemistry undertaking tracer & sorption experiments.
- 1992 – 1994 Heitfeld, Heitfeld & Schetelig, Engineering and Geology, Aachen, Germany**
Student assistant in the field of geotechnical and hydrogeological evaluations.

EDUCATION

- 1998 – 2002 Doctor of Natural Sciences, ETH Zurich University, Switzerland
- 1997 – 1998 Visiting student at ETH Zurich University, Department of Earth Sciences, Switzerland
- 1991 – 1997 Diploma, Geology (Masters of Science equivalent), RWTH Aachen University, Germany
- 1990 – 1991 Studies in Geography, RWTH Aachen University, Germany
- 1982 – 1989 Staatliche Kooperative Gesamtschule Altenkirchen (Academic High school), Germany
- 1975 – 1982 Cours-La-Fontaine, Abidjan, Ivory Coast

PROFESSIONAL DEVELOPMENT

Leadership, Communications and Project Management

2021	<i>Tools for Change: Systems Transformation Skills for Leaders & Facilitators</i> , Online workshop series, Priti Shah, Christine Spinder and Kate Sutherland, all EmergeCollab, Vancouver
2020	<i>Studio20: Engaging Learners Online</i> , Online workshop series, BCcampus, Vancouver
2019	<i>Transforming Lateral Violence</i> , Social Innovation Consulting, Whitehorse
2016	<i>Organizing to win</i> , webinar series on grassroots organizing, Broadbent Institute
2015	<i>The Art of Leadership</i> , Robert Gass, Hollyhock
2015	<i>Building your communication toolbox</i> , Justice Institute of British Columbia, New Westminster
2014	<i>How to deal effectively with office politics</i> , Canadian Training Resources, Whitehorse
2013	<i>Management skills for new supervisors and managers</i> , Canadian Management Center, Vancouver
2013	<i>Managing projects, tasks and deadlines effectively</i> , Canadian Training Resources, Whitehorse
2013	<i>Media Training</i> , Counterpoint Communications, Whitehorse
2012	<i>Foundations of Collaborative Conflict Resolution</i> , Justice Institute of British Columbia, Whitehorse
2004	<i>Effective Negotiating</i> , Karrass, Zurich
2004	<i>Client Relation Skills</i> , PartnerRe, Zurich
2001	<i>Rhetoric Communication</i> , University of Zurich
1998	<i>Didactics and Presentation techniques</i> , ETH Zurich University

Policy, assessments and related topics

2016	<i>Canadian Science Policy Conference</i> , Ottawa
2016	<i>Yukon First Nations 101</i> , Yukon College
2013	<i>Technical Report Writing</i> , IWCC
2011	<i>Cumulative Impact Analysis & Documentation</i> , Shipley Group
2011	<i>Yukon First Nations History, Culture, Agreements and Self-Government</i> , Yukon Government
2010	<i>Climate Change for Decision Makers</i> , John Streicker, Northern Climate Exchange, Yukon College

Natural and Environmental Sciences

2016	Geological Association of Canada – Mineralogical Association of Canada Annual Meeting, Whitehorse
2012	<i>Sulphidic Mined Materials: Metal leaching, ARD – Acid Rock Drainage, Tailings, \$, etc.</i> , Bill Price, Natural Resources Canada
2011	<i>Conservation Biology</i> , Yukon College
2010	<i>Prediction in Drainage Chemistry</i> , Bill Price, Natural Resources Canada
1999	<i>Crust-Mantle Interaction</i> , Siena

GIS, Statistics

2007	<i>Database Analysis with MS Access</i> , Digicomp, Zurich
2006	<i>ArcGIS Desktop Introductory Course</i> , ESRI, Zurich
2005	<i>@Risk Training</i> , Palisade, London, UK

Other

2020 *Working with Trauma*, Justice Institute of British Columbia, Whitehorse

2016 *Mental Health First Aid for Northern Peoples*, Mental Health First Aid Canada, Whitehorse

IT SKILLS

Knowledge of IBM, Macintosh and Unix workstations

Operating system: Windows, Mac OS

Software: MS Office, MS Access, Adobe Illustrator, Photoshop
Facebook, Twitter, Instagram (Social media platforms)
Moodle, Panopto (Online learning platforms)
Zoom, Skype, Fuze, GoToMeeting (Web conferencing software)
ESRI ArcGIS 9.1, @Risk, R (Statistics),
Worldcat Enterprise (EQE), RiskLink (RMS) (Natural hazard modeling)

LANGUAGES

German Native speaker proficiency (mother tongue)

French Native speaker proficiency (mother tongue)

English Proficient

Italian Advanced

Spanish Basic