

Advisory Group Application

Step 1

Application for Appointment to Whatcom County Advisory Groups

Public Statement

THIS IS A PUBLIC DOCUMENT: As a candidate for a public advisory group, the information provided will be available to the County Council, County Executive, and the public. All advisory group members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

Title Dr.

First Name Theodor

Last Name Scott

Today's Date 11/30/2025

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Do you live in Yes
Whatcom County?

Do you have a different Field not completed.
mailing address?

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Step 2

1. Name of Advisory Climate Impact Advisory Committee

Group

Climate Impact Yes
Advisory Committee
Position:

2. Do you meet the Yes
residency,
employment, and/or
affiliation requirements
of the position for
which you're applying?

3. Which Council District 1
district do you live in?

4. Have you ever been Yes
a member of this
Advisory Group

If yes, please list dates: December 2024 - January 2026 (completing a partial term
vacancy)

5. Do you or your No
spouse have a financial
interest in or are you
an employee or officer
of any business or
agency that does
business with
Whatcom County?

6. Have you declared No
candidacy (as defined
by RCW 42.17A.055)
for a paid elected office
in any jurisdiction
within the county?

You may attach a Attached
resume or detailed
summary of
experience,
qualifications, &
interest in response to
the following questions

7. Please describe your I am a PhD student in Geography at the University of British
occupation (or former Columbia studying climate change science and urban heat

occupation if retired),
qualifications,
professional and/or
community activities,
and education

8. Please describe why
you're interested in
serving on this
Advisory Group.

I have served a partial term and would like to continue with a full term. Our work is a meaningful connection to my community, to my research, and we're just getting started on the new climate action plan for 2026.

References (please
include daytime
telephone number):

Simon Donner (PhD advisor) - [REDACTED]
Robert Mitchell (fellow CIAC member) - [REDACTED]

Appointment
Requirements

I understand and agree

Signature of applicant: Theodor J Scott

Place Signed /
Submitted

[REDACTED]

(Section Break)

Dr. Ted Scott

To: Kaylee Galloway, Whatcom County Council, and the CIAC

I write to express interest in continuing to serve on the Whatcom County Climate Impact Advisory Committee. In January 2026 I will have finished out a partial term that started in December 2024 and would very much like to carry on with the work we've begun updating the climate action plan (CAP) and continue to steer the development of the CAP dashboard as part of a Comp Sci capstone project with three undergraduates at WWU.

As a reminder of my credentials: I hold a PhD in geophysics, worked at Microsoft for many years as a data scientist, and then taught high school math and science in Kirkland. I am in the 3rd year of a PhD in physical geography focused on climate science and urban heat at UBC in Vancouver, and I live in the Lettered Streets neighborhood. I enjoy connecting my research to policy through our advisory committee as it helps to give my basic science research a deeper meaning and a connection with my community.

I hope you still agree that I am an asset to the CIAC. I am eager to help the committee however I can, primarily in the area of GHG mitigation goals, impacts to the local natural environment, or however I may best serve. I look forward to hearing from you.

Thank you,
Ted Scott

Dr. Ted Scott

Research Interest	I seek to understand the global evolution and distribution of seasonal heat and changing seasonal patterns in a warming climate. I emphasize the impact on coastal urban areas and aim to communicate my results with relevant policy makers. I engage in research using the tools of meteorology, data science using Python and R, and climate modeling to understand and communicate how these changes are experienced and perceived by humanity and impact ecosystems.
Teaching Experience	<u>University</u> : Introductory Geology, Geophysics, and Physics courses, Earth Materials, Mathematics in the Geosciences <u>Secondary</u> : Physics, Data Science, Geoscience, Astronomy, Algebra 2, Pre-calculus, Calculus
Education	University of British Columbia PhD Geography (expected Summer 2027) Supervisors: Simon Donner, Rachel White Coursework: Data Science for Earth Sciences, Soil Processes, Micrometeorology, Climate Policy, Climate Communication & Engagement University of Minnesota, Minneapolis PhD Geophysics (2006) MS Geophysics (2000) BS Computer Science (1997), Minors in Physics, Anthropology
Honors and Awards	2025-2026 UBC Climate Solutions Scholar 2023-2027 4YF Four Year Doctoral Fellowship, UBC 2023-2027 President's Academic Excellence Initiative PhD Award 2005-2006 Harold Mooney Graduate Fellowship 2005-2006 Richard C. Dennis Graduate Fellowship 2004-2005 V. Rama Murthy & Janice Noruk Graduate Fellowship

Dr. Ted Scott

Professional Memberships American Geophysical Union, American Meteorological Society

Academic Employment University of British Columbia, Vancouver
Dept. of Geography
Graduate RA (2023-)
Advisors: Simon Donner (Geog) and Rachel White (Atmo)
Analysis of climate data to measure summer season length and summer heat characteristics and their evolution under global warming for land, oceans, and coastal margins

University of Minnesota, Minneapolis
Dept. of Geology and Geophysics
Graduate RA (1997-2000, 2003-2006)
Advisor: David L. Kohlstedt
Laboratory measurements of the physical properties and dynamics of earth materials at the nano- and micro-scale to explain macro-scale phenomenon in planetary interiors

Instructor (2003)
Jupiter's moon Io - from the surface to the core

Graduate TA (Fall 1998, Fall 2003, Spring 2005)
Introduction to Geology, Geodynamics II: The Fluid Earth, Mineral and Rock Physics

Other Roles Whatcom County Climate Impact Advisory Committee
Appointed member (2024 -)
We advise the Washington State Whatcom County Council on climate-related topics and help develop the Comprehensive Plan and Climate Action Plan

Eastside Preparatory School, Kirkland, WA
Science and Math Teacher (2017-2023)
Teaching: 11th and 12th grade students: *Physics, Data Science, Geoscience, Astronomy, Algebra 2, Pre-calculus, Calculus*
Coaching: *Cross-country running, Track & Field, Academic advisor to ~12 juniors & seniors each year*

Microsoft Corporation, Redmond, WA
Data Scientist (2014-2017)

Dr. Ted Scott

Software Development Engineer in Test (2006-2014)
Program Manager (2000-2003)

Publications

T Scott, SD Donner, RH White. Summers over land and ocean are becoming longer, transitioning faster, and accumulating more heat (in prep)

T Scott and D L Kohlstedt (2006), The Effect of Large Melt Fraction on the Deformation Behavior of Peridotite, *Earth Planet. Sci. Lett.*, 246, 177-187, <https://doi.org/10.1016/j.epsl.2006.04.027>

J Hustoft, **T Scott**, and D L Kohlstedt (2007), The Effect of Melt Content and Wetting Behavior on the Viscosity of Partially Molten Peridotite, *Earth Planet. Sci. Lett.* 260, 355–360, <https://doi.org/10.1016/j.epsl.2007.06.011>

Ph.D. Thesis: A Determination of the Viscosity of Partially Molten Peridotite at Melt Fractions up to the RCMF and the Effect of Incompatible Elements in Olivines on the Rates of Cation Diffusion

M.S. Thesis: Lattice-Boltzmann Calculation of the Permeability of MORB in Sheared Peridotite

Selected Abstracts and Presentations

T Scott, RH White, SD Donner (2024), A global analysis of the changing summer season length under global warming: land, ocean, and coasts, Graduate Climate Conference 2024 (Washington, USA)

A Courtier and **T J Scott** (2009), Evaluating Scientific Misconceptions and Scientific Literacy in a General Science Course, *Eos Transactions of the American Geophysical Union*, Fall Meeting 2009, ED23A-0521

D L Kohlstedt, A M Dillman, and **T J Scott** (2007), Grain-Grain Interfaces in Diffusion and Deformation, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract MR33A-01

T Scott, D L Kohlstedt (2005), The Effect of Large Melt Fraction on the Deformation Behavior of Peridotite, *2005 VLab Workshop*, Minnesota Supercomputer Institute, Minneapolis, MN

Dr. Ted Scott

T Scott and D L Kohlstedt (2004), The Effect of Large Melt Fraction on the Deformation Behavior of Peridotite: Implications for the Viscosity of Io's Mantle and the Rheologically Critical Melt Fraction, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract T13D-02