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## Contact information

Work: **Chief Science and Policy Officer, Conservation Biology Institute**, 136 SW Washington Avenue, Suite 202, Corvallis, OR 97333 USA

**Affiliate Full Professor (conservation biology; environmental futures; climate risk and resilience), University of Washington – Center for Environmental Politics, UW Seattle, and Interdisciplinary Arts and Sciences, UW Bothell**

**Honorary Research Associate, African Climate and Development Initiative, and DST-NRF Centre of Excellence at the Percy FitzPatrick Institute of African Ornithology**, both at the **University of Cape Town**, Cape Town, 7700, South Africa.

Home: 505 Upland Place, Mount Vernon, 98273, USA. Telephone +1 360 914 2307 (mobile).

Emails: [phoebe.barnard@consbio.org](mailto:phoebe.barnard@consbio.org) (work), [phoebebarnard2018@gmail.com](mailto:phoebebarnard2018@gmail.com) (private)

URLs: [www.phoebebarnard.com](http://www.phoebebarnard.com); <https://consbio.org/people/staff/phoebe-barnard>; <https://www.uwb.edu/ias/faculty-and-staff/phoebe-barnard>; [https://depts.washington.edu/envirpol/?page\\_id=21](https://depts.washington.edu/envirpol/?page_id=21); <https://pbarnard9.wixsite.com/global> (biodiversity early warning systems globally), <https://pbarnard9.wixsite.com/website-3> (about biodiversity early warning systems in the Cascadia Region of North America), <https://consbio.org/products/projects/early-warning-systems-for-biodiversity-and-ecosystem-health>, [www.fitzpatrick.uct.ac.za/fitz/staff/research/barnard](http://www.fitzpatrick.uct.ac.za/fitz/staff/research/barnard); [https://www.researchgate.net/profile/Phoebe\\_Barnard](https://www.researchgate.net/profile/Phoebe_Barnard) <https://www.facebook.com/Phoebe.Barnard.169>; <https://uwbothell.academia.edu/wwwphoebebarnardcom>

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## Synopsis

Sustainability strategist, global change ecologist, climate risk and resilience strategist, conservation biologist, environmental futurist. I'm a team lead and team player, bringing people together to solve some of our most challenging multidimensional grand challenges and wicked problems in science and society. After hours, I'm also a film producer, working with my filmmaker husband on big issues. For fun, I climb volcanoes, jump out of planes, grow vegetables, practice sustainability and work hard in communities for lasting social change. Have been a Fulbright Scholar (1993-94) and Distinguished Service Awardee (SCB 2002).

## Education

PhD in Animal Ecology -- Uppsala University, Sweden, 1994 | MSc in Zoology -- University of the Witwatersrand, South Africa, 1990 | BSc with Honours in Biology -- Acadia University, Canada, 1983.

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## Significant professional appointments

2018-present: **Conservation Biology Institute (CBI):** Chief Science and Policy Officer  
In this new position, I strive to improve the impactfulness and policy reach of this highly regarded, technically very astute, internationally active environmental institute.

2018: **Center for Large Landscape Conservation (CLLC):** Senior Consultant  
In this part-time position (4 months), I supported the work of the IUCN Connectivity Conservation Specialist Group, initiated a new Marine Connectivity Working Group and furthered a global policy analysis of multilateral infrastructure investments.

2017-present: **University of Washington (UW):** Affiliate Full Professor of Conservation Biology and Environmental Futures. I collaborate with teams across the globe (prominently, currently with the International Institute for Applied Systems Analysis, IIASA, University of Rwanda, South African National Biodiversity Institute, University of Cape Town and Albertine Rift Conservation Network) on early warning systems for biodiversity and ecosystems.

2017-2018: **Pacific Biodiversity Institute (PBI):** Executive Director  
I took over as the second ED of this small conservation research organization, and restructured its international programs and staff into three larger, better resourced institutes (including CBI and CLLC above) for better conservation impact.

- 2005-2016: **South African National Biodiversity Institute (SANBI):**  
Principal (2005-14) & Lead Scientist (2014-16), Climate Change Adaptation, and Biodiversity Futures Program Head (2015-16 ), Kirstenbosch Research Centre. As Lead Scientist, I did national and institutional strategic planning for biodiversity futures and climate vulnerability science -- global change futures, climate vulnerability of endemic species, and roles of research, citizen science and partnerships in conservation.
- 2005-present: **University of Cape Town (UCT), African Climate and Development Initiative (ACDI) and DST/NRF Centre of Excellence at the FitzPatrick Institute of African Ornithology –** Honorary Research Associate <http://acdi.uct.ac.za/associates/dr-phoebe-barnard>;  
<http://www.fitzpatrick.uct.ac.za/docs/climate.html>.
- From 2007-2012 I coordinated the climate change and conservation module of UCT's top-ranked MSc Course in Conservation Biology, and lectured yearly on climate vulnerability and adaptation, national/global public policy, conservation leadership, negotiation skills, conflict resolution.
- 2003-2005 **South African National Biodiversity Institute (SANBI):**  
Scientific & technological coordinator, Global Invasive Species Program Secretariat
- 1994-2003 **Ministry of Environment and Tourism, Directorate of Environmental Affairs**  
Founding National Coordinator, Namibian National Biodiversity Program
- In this director-level post I founded, designed and led for 10 years Namibia's first national biodiversity program: strategic national planning, coordination, policy formulation/analysis; chaired National Biodiversity Task Force; negotiated on behalf of Namibia at Convention on Biological Diversity (CBD), SADC, related fora. CBD national focal point, 1997-2002.
- 2001 **Ministry of Environment and Tourism, Directorate of Environmental Affairs**  
Founding National Coordinator, Namibian National Climate Change Program
- I founded and ran this national program, a Namibian Committee on Climate Change and a public forum, voluntarily for 10 months, in addition to the National Biodiversity Program.

## Most important institutional reviews and advisory bodies

- 2019 - **Coalition WILD, international leadership mentor for young conservation professionals**
- Dec 2017 - **United Nations Development Program, Biodiversity and Ecosystem Services Network (BES-Net) portal, 'featured expert'**
- Dec 2017 - **American Association for the Advancement of Science, SciLine science communication network, 'featured expert'**
- Sept 2015-19 **University of Zürich, Switzerland, University Research Priority Program "Global Change and Biodiversity" (UZH-URPP-GCB) Scientific Review Panel**
- Aug 2013- **United Nations Environment Program – World Conservation Monitoring Centre's African Leadership Group, invited member, 'expert advisors' to African countries on 2nd round of national action plans.**
- Nov 2012 **United Nations Environment Program horizon-scanning 2012 Foresight Report, Invited Reviewer, "21 Issues for the 21<sup>st</sup> Century: Results of the UNEP Foresight Process on Emerging Environmental Issues."**
- July 2012 **National Geographic Expert Review Panel of Cheetah Conservation Fund (appointed member; chair: Prof Tom Lovejoy)**
- March 2007 **University of Cape Town, Conservation Biology Master of Science Course Review Team**

Jan 2002-03	<b>Benguela Current Large Marine Ecosystem Program Steering Committee</b> (alternate)
Jan 2000-05	<b>Millennium Ecosystem Assessment Global Board, Executive Committee</b> (2003-05), and <b>selection panels</b>
Jan 2001-03	<b>Millennium Ecosystem Assessment</b> - Global Scenarios & Sub-Global Working Groups
Jan 2001-03	<b>Namibian Committee on Climate Change, chair</b> (government); <b>Contact Group on Climate Change</b> (interim chair, public forum)
Oct 1994-03	<b>Namibian National Biodiversity Task Force, chair</b> (govt) plus 4 of 18 working groups

## Notable awards and distinctions

2019	<b>Forbes Distinguished Professional Achievement Award</b>
2017	<b>University of Washington, awarded full professorship on affiliate basis</b>
2015	<b>Homeward Bound Antarctic Women's Leadership Expedition 2016</b> (one of initial 47 international women leaders in global change science selected for this top-class training)
2002	<b>Distinguished Achievement Award (Society for Conservation Biology)</b> -- <i>"For her extraordinary contribution to conservation in Namibia, especially putting science into practice"</i>
1993-94	<b>Fulbright Fellowship - Doctoral Grant (Fulbright Commission, USA/Sweden)</b> <i>For PhD studies in evolutionary biology at Uppsala University</i>

## Postdocs and graduate students (details on request)

3 postdocs, 9 PhD students, 3 MSc thesis students, 3 BSc Honours students graduated or in process.

## Publications (full list and PDFs on request)

Over 125 peer-reviewed scientific, policy and popular publications, including books, reports, chapters and papers.

**Professional interests** – biodiversity vulnerability to climate and land use change; environmental futures, sustainability tipping points, effective communications and media, especially film, to bring these about; civil dialogues to bring about economic and social transitions; human behaviour and resistance to change; the circular/regenerative economy; political tipping points; restoration ecology; holistic nutrition, how to balance food, water and energy security with ecosystem health and biodiversity values.

Also ornithology, natural and sexual selection in natural communities, and landscape ecology for greater ecological connectivity.

**Personal interests** - family, hiking, volcano climbing, low-and-mid-altitude mountaineering, vegetable gardening, bird banding, birdwatching, films, cooking, kayaking, trail running, classical, bossa nova and world music.