



SUMMARY CV OF HARALD WINKLER

Personal details

Name: Harald Winkler
Born: 1 March 1964
Nationality: South African
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Education

2002 – 2006 **PhD (University of Cape Town, UCT)**
1996-1998 **MSc in Energy and Resources (University of California, Berkeley)**
1987-89 **MA in Religious Studies (UCT)**, degree awarded with distinction
1986 **BA Honours in Religious Studies (UCT)**, degree awarded in the first class
1983-85 **BA in Sociology and African Politics (Wits)**, distinction, silver medal

Work experience

Current (since 2020)

Professor: Policy Research in International Services and Manufacturing, School of Economics, University of Cape Town. Harald's research interests are at the intersection of development, climate change and social justice. Within the framing illustrated below, his research has focused on sustainable development and climate change mitigation, in the context of poverty and inequality. His approach is transdisciplinary, seeking to understand how to accelerate mitigation and shifting development pathways towards sustainability.



He is a coordinating lead author lead author for the Intergovernmental Panel on Climate Change and has been a member of the SA delegation to the negotiations under the UN Framework Convention on Climate Change, and is one of two co-facilitators of the technical dialogue of the Global Stocktake under the Paris Agreement. Harald is an engaged scholar, who seeks to make a difference to the grand challenges facing South Africa, Africa and the world, based on excellent research and a passion for sustainable development.

Specific focus areas for future research include the global stock-take; equity and inequality between and within countries; just transitions to net zero; and low emission development strategies. Harald will continue to build on his past work on narrative storylines and modeling of scenarios; equity in relation to the global stock-take and fairness and ambition in NDCs; transparency and MRV; and renewable energy. His transdisciplinary research has informed energy and climate policy at the national level and multi-lateral negotiations. Harald led the research work underpinning South Africa's Long-Term Mitigation Scenarios (LTMS) from 2005-8. From 2010 to 2015, he co-directed a large programme called MAPS – Mitigation Action Plans and Scenarios, sharing the LTMS experience with governments, researchers and facilitators in other developing countries. LTMS and MAPS involved coproduction of knowledge through facilitated stakeholder process, honing Harald's skills in mediating conflicts and building consensus. Harald has published extensively and is joint Editor-in-Chief of the journal Climate Policy.

Previous work experience

2020-2022 **Professor: Faculty of Engineering & the Built Environment**, University of Cape Town (UCT)

2000-2020 **Professor: Energy Research Centre (ERC), UCT** (from 2013-2018, ERC Director)

1998 - 2000 **Associate: Environmental Scientist**, Common Ground Consulting

1995 - 1996 **Deputy Director, Regional Land Claims Commission**

1990 - 1994 **Fieldworker and Coordinator**, Transvaal Rural Action Committee (TRAC)

1987-89 **Research assistant and tutor in the Dept. of Religious Studies**, (UCT)

Publications

Prof Winkler has over 90 peer-reviewed publications: 64 articles in international journals, which includes three guest editorials, and 14 in local journals, all either ISI or SAPSE-listed, as well as 16 chapters in peer-reviewed books, two books and three edited volumes. His h-index is 31 on Scopus and 50 on Google Scholar; with over 700 and 1500 citations per year of my work, respectively. His academic ratings include NRF B2 (“internationally acclaimed researcher”). He is frequently invited to give presentations based on my research at international, national and local events, often directly informing energy policy and climate negotiations.

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Academia.edu <https://uct.academia.edu/HaraldWinkler>

ResearchGate https://www.researchgate.net/profile/Harald_Winkler

GoogleScholar <https://scholar.google.co.za/citations?user=dSxrBsMAAAAJ&hl=en>

Teaching and scholarly engagement

Harald has taught on energy and climate change at the University of Cape Town since 2000, while based at a research centre. He has supervised Masters and PhD students in the areas of energy and climate change research. He helped develop a course on Energy and Climate Change (MEC 5090Z) at the University of Cape Town (UCT). He has also taught on other Energy Research Centre courses, notably Introduction Energy Policy & Sustainable Energy (MEC5091Z), and UCT’s African Climate and Development Initiative’s courses (EGS5031F and EGS5032F) on mitigation, as well as occasional guest lectures. Prof Winkler has been asked to externally examine post-graduate theses by several Universities locally and internationally.

Professor Winkler is an engaged scholar. He has engaged at multiple scales, including in the UNFCCC (and its Kyoto Protocol and Paris Agreement) and the IPCC at global scale. In the IPCC, Harald was a lead author on sustainable development (AR4) and international cooperation (AR5). In IPCC AR6 cycle, Harald served as a Coordinating Lead Author and has been instrumental in complementing assessment of accelerating mitigation with literature on shifting development pathways to increased sustainability. He was also an author on the Core Writing Team for the AR6 Synthesis Report, and thus has excellent knowledge across the physical science (WGI), impacts, vulnerability and adaptation (WGII) and mitigation (WGIII). He was one of two co-facilitators of technical dialogue of the first global stocktake under the Paris Agreement, having been nominated by South Africa, the African Group and the G77&China. Harald has engaged strongly on energy and climate policy at national level, leading LTMS in South Africa and MAPS in other developing countries) and locally in the City of Cape Town think-tank. Based on his high quality research and strategic thinking, Prof Winkler has very high ability to synthesise complex discussion in a way that moves processes forward. Needless to say, he has excellent written and verbal communication skills.

Membership of Committees, Panels, Boards

- Co-facilitator of the technical dialogue of the first Global Stocktake under the Paris Agreement (2022-2023)
- Member of the Academy of Science of South Africa (from 2016)
- Fellow of the African Academy of Sciences (from 2020)

- Joint Editor-in-Chief of *Climate Policy* (2017-2023)
- Editorial Boards of international journals *Climate Policy* (from 2006), *Climate and Development* (from 2008), *Current Opinions in Environmental Sustainability* (from 2009), *Global Environmental Politics* (from 2012-2017) and *Chinese Journal of Urban and Environmental Studies* (from 2013) and *Energy Science and Engineering* (from 2021).
- Intergovernmental Panel on Climate Change (IPCC) coordinating lead author on Sixth and lead author on Fourth and Fifth Assessment Reports. From 2004
- Member of the South African delegation to the negotiations under the United Nations Framework Convention on Climate Change. From 2004 to 2015.
- Member of Advisory Roundtable of Energy Foundation China (EFC) on China's Mid-Century Strategy (Dec 2019 to 2020)
- Member of High Level Economic Commission on Carbon Prices, co-chaired by Nobel Laureate Joseph Stiglitz and Lord Nicholas Stern (Nov 2016 to April 2017)
- International jury member for WWF Earth Hour City Challenge, 2015
- Board member of the South African Weather Services. 2008 – 2011.
- Board member: Sustainable Energy Africa. 2002 – 2012
- Member of the City of Cape Town's Climate Change Think Tank. From 2009.
- Member of the Methodology Panel of the CDM Executive Board, April 2002 – July 2004
- Member of the Standards Advisory Board of the WWF Carbon Label for CDM projects; 2002 – 2005

Awards

- In 2007, the IPCC as a collective was awarded the Nobel Peace Prize together with Al Gore; I was one of hundreds of IPCC lead authors, over two assessments, and the IPCC assessments are acclaimed by the global scientific community as state of knowledge.
- In 2022, the IPCC community of practice was jointly awarded the Gulbenkian Prize for Humanity (see [here](#); IPCC alongside IPBES), citing that “scientific evidence is of the utmost importance for accelerating climate action”.
- Among top 2% cited scientists in the world, according to researchers at Stanford University, in top 1% for sub-field, for 2022 (data [here](#))
- Winner, National Science and Technology Forum (NSTF) Awards: winner 2017/18 special annual theme award Sustainable Energy For All (SE4ALL); finalist 2014/15 in the category NSTFGreenMatter
- Research award by UCT Department of Mechanical Engineering, top publisher in 2014
- Mail & Guardian Climate Leader (2014)
- National Research Foundation (NRF) rating: B2 “internationally acclaimed researcher” (from 2012)
- Fulbright Scholarship for MSc (Berkeley) (1996-98)
- Silver Medal *proxime accesit* for BA class of 1985 (University of Witwatersrand, 1985)