

dr. emily tyler

low carbon policy, complex systems, economics

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An economist by training, I have worked on the climate change mitigation challenge since 2001, first in Europe and subsequently in South Africa where my development interest and perspective continues to shape my thinking and career path.

I have predominantly worked as a consultant, to local and international civil society, the private sector, government and academia, both independently and in consulting firms and not-for-profit institutions. My focus has spanned carbon footprinting, corporate strategies, the Clean Development Mechanism, Nationally Appropriate Mitigation Actions, Low Carbon Development Strategies, climate finance, national government carbon pricing policies and low carbon transition planning, energy policy, carbon budgeting, power sector employment, and through my doctorate, engaging complex systems theory and transdisciplinarity to approach mitigation in a development context. My outputs are typically reports, journal articles, presentations, programme design and event delivery.

My strengths lie in critical thinking and reflection, an overarching view of complex problems, analytical clarity, project and research design, convening conversations, written communication, task focus, creativity and a disciplined workstyle.

Career Positions

- Independent consultant (2009-current, South Africa)
- Genesis Analytics Climate Change Practice Manager (2007-9, South Africa)
- SouthSouthNorth Projects Africa and Energy Transformations (2003-7, South Africa)
- Consultant to ABN Amro (2003, Amsterdam)
- Enviro Climate Change Policy and Strategy Group (2001-3, London)

Academic record

- PhD, University of Cape Town (2014-2018). Thesis entitled: A complex transdisciplinary exploration of South African climate mitigation policy
- Masters in Advanced Financial Management, University of Cape Town 2007
- First Class (Hons) Economics, University of Cape Town, 1998
- B.Comm in Economics and Psychology, Rhodes University, 1997

Project Examples

- Member of the Meridian Economics team developing a *concessional climate finance transaction for Eskom*, the South African power utility, in exchange for an accelerated coal decommissioning programme (2019)

- *Facilitated the stakeholder engagement workshop* on the draft South African Low Emissions Development Strategy (LEDS) (2019)
- *Employment implications of the South African power sector transition* Lead author of a study for the South African Wind Energy Association (2018)
- *Aligning the South African carbon tax and carbon budgets* Project funded by the World Bank Programme for Market Readiness to consider possible interface options for the two policy instruments (2016)
- Research and project input on *policy approaches to climate mitigation in developing countries* (Chile, Colombia, Peru, Brazil and India) under the Mitigation Action Plans and Scenarios (MAPS) Programme (2009-15).
- Designed and convened the *MAPS Programme Forum on Development and Mitigation*, an international academic conference held in Cape Town (2014).
- *South African Energy Scenario Planning Process* Local expert input to energy scenarios for South Africa to 2050, a joint project of Shell and the Department of Energy (2013-14)
- Core technical support to the *low carbon economy transition initiative of the South African National Planning Commission* a programme of research, intergovernmental meetings and roundtables and including drafting of the environmental chapter of the Plan (2012).
- Analysis of the *implications of a carbon price in South Africa for Sasol*, a large, emissions-intensive South African company operating in the industrial and energy sectors (2011).
- International Institute of Sustainable Development *Development Dividend taskforce member and case writer* looking at 'Realising the Development Dividend' of the CDM (2007)
- Delivery of a scoping report and presentation on the *risks and opportunities the international bank ABN Amro faces from climate change* (2003)
- *Assistance in the final preparation and implementation of the UK Emissions Trading Scheme*. Secondment to the Environment Protection Economics division of the Department for Environment, Food and Rural Affairs (2002)

Selected publications:

- Tyler, E. and Torres Gunfaus, M. (2017) Reflecting on the South African Long Term Mitigation Scenario Planning Process a decade on. In *Development*, 59(3), 328-334.
- Tyler, E. and Cohen, B. (2017). A complexity underpinning for domestic climate mitigation policy in South Africa. In *International Journal of Design & Nature and Ecodynamics*. 12 (1) 124-132.
- Tyler, E. and Cloete, B. (2014). Combining price and quantity instruments: insights from South Africa. *Climate Policy*. DOI: 10.1080/14693062.2014.937382
- Tyler, E. (2010). Aligning South African energy and climate change mitigation policy. In *Climate Policy* volume 10 Issue 5 2010 pp575-588. Special Issue: Putting a price on carbon in South Africa and other developing countries
- Tyler, E. and Chivaka, R. (2010). The use of Real Options valuation methodology in enhancing the understanding of the impact of climate change on companies, In *Business Strategy and the Environment*. Vol 10 Issue 1 pp55-70

The rest of me...

I love whole, quality food, cooking, buying and eating! I find calm in yoga and thinking-space in running. My young children keep me very present in the world, my husband keeps me joyful. Friends and family connect and inspire me, and South African nature is my refuge and soul-home. I have achieved and participated in school and university level sport and clubs, orchestral music (oboe), and music teaching.