

**Name:** Anthony Richard Turton  
**Date of birth:** 23 June 1954  
**Nationality:** South African  
**Profession:** Water Resource Governance  
**Position in firm:** Research Group Leader: Water Resource Governance Systems  
**Specialization:** Governance, Policy, Political Risk Assessment  
**Years of experience:** 19  
**NRF rating:** B3  
**Contact Details:** CSIR – Natural Resources and the Environment  
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**Applicable Experience**

Dr Turton has nineteen years of experience in the field of strategic planning and risk assessment in areas of contestation. This includes negotiations that have ended complex and protracted periods of conflict in an amicable way. Included in this were the negotiations that led to the South African withdrawal from Angola; the implementation of UN Resolution 435 and the independence of Namibia; the secret negotiations that led to the release of political prisoners and the subsequent CODESA constitutional talks in South Africa; and the secret diplomatic negotiations that ended the civil war in Mozambique. This experience is being applied to the development of transdisciplinarity capabilities at the CSIR, specifically in the field of water resource management. Dr Turton has been responsible for leading the Comprehensive Reserve Determination on the Elands River (a tributary of the Incomati River), which included the development of an experimental Decision Support Tool called the ECO<sup>2</sup> Model. Dr. Turton is leading a team pioneering the expansion of the use of the ECO<sup>2</sup> Model in the Blesbokspruit River system with various major industrial and Government stakeholders. With a specialist interest in transboundary matters, Dr. Turton is a founding member and past President of the Universities Partnership for Transboundary Waters. He has written extensively on water resource management and has a specialist interest in governance, leading the publication of a text book on the subject. At present Dr. Turton is a specialist in the Gold Mine Closure Strategy project being led by the Council for Geosciences, applying his knowledge of transboundary issues to the mining sector at sub-national level. Dr. Turton serves on a strategic Think Tank in Washington, and is on the Editorial Board of the Springer-Verlag Water Resource Management series of textbooks. He is the Editor for Africa for Water Policy, the official journal of the World Water Council, and is a CSIR representative to that body. Dr. Turton serves on the Editorial Board of the International Journal of Water Resources Development and has been an invited speaker to a number of major international events.

**Education**

Diploma in Horticulture	Chicago, USA	1977
BA [Political Science, African Politics]	UNISA	1988
BA (Hons) [International Politics (With International Law)]	UNISA	1995
MA [Hydropolitics of the Zambezi Basin]	UNISA	1998
D.Phil [Hydropolitics of South Africa] (Thesis awarded academic colours at the University of Pretoria).	Pretoria University	2004

*Special technical training courses attended:*

- Advanced Media Skills (hostile TV interviews) (CSIR) 2006

**Key Professional Qualifications**

- Member of the Water Institute of Southern Africa (WISA) Management and Institutional Affairs Division and past Chairman
- Member of the Pugwash Society on Science and World Affairs
- Editorial board of International Journal of Water Resources Development
- Editorial Board of the Water Resources Development and Management series at Springer-Verlag in Berlin, Germany
- Associate Editor: Africa of Water Policy, the official journal of the World Water Council
- President (and Founding Member) of the Universities Partnership for Transboundary Waters

- Executive Director of the International Water Resources Association (IWRA)

### **Employment Record**

2006-present	CSIR – Research Group Leader: Water Resource Governance Systems. Responsible for establishing transdisciplinarity within the CSIR in the field of water resource management systems focusing specifically on governance as a process.
2003-2006	Director at Arcus Gibb (Pty) Ltd and incumbent of the Gibb-SERA Chair in Integrated Water Resource Management, responsible for establishing an IWRM capability at both the CSIR and University of Pretoria.
2002-2005	Director at Turton & Associates (Pty) Ltd responsible for the development of institutional and policy capabilities in the water sector.
1999-2005	Head of the African Water Issues Research Unit (AWIRU) at the University of Pretoria responsible for establishing a research capability in the water sector focussing specifically on governance aspects that are appropriate to Africa.
1998-2005	Associate at the Water Issues Study Group at the School of Oriental and African Studies (SOAS) and the Overseas Development Institute (ODI) in London.
1996-1998	Policy Analyst at Gempex (Pty) Ltd responsible for the development of strategic policy analysis capabilities in a country that was emerging from the isolation of Apartheid and starting to engage with the global economy.
1987-1995	Strategic analyst and operations manager at the National Intelligence Service responsible for various strategic initiatives that were relevant at the time.
1978-1987	Technical Director at Hlabisa Farms (Pty) Ltd responsible for all of the engineering aspects associated with intensive horticulture in climate-controlled plant production.

### **Countries of Recent Professional Experience**

Angola, Botswana, Costa Rica, Egypt, England, Ethiopia, Jordan, Kenya, Lesotho, Mozambique, Namibia, Palestine, Rwanda, South Africa, Spain, Sweden, Thailand, Zambia, Zimbabwe.

### **Examples of Recent Projects and Specific Experience**

- Transboundary Specialist – Development of an approach to the management of international rivers using benefit-sharing for the Swedish Foreign Ministry (2006).
- Project Specialist - Review of all international agreements entered into by South Africa that have relevance for international (shared) river basin management (2004-2005).
- Project Leader – Blesbokspruit assessment (under development).
- Project Leader – Comprehensive Reserve Determination Study on the Elands River, Mpumalanga (2005-2006).
- Course Presenter – Strategic Environmental Assessment (SEA) Training Courses for the Nile Basin Initiative, Ethiopia (2003).
- Course Presenter – Transboundary River Basin Management for the Swedish Government as part of their international aid program (2006-2007).
- Course Presenter – Transboundary River Basin Management for Central America, Costa Rica (2004).
- Governance Specialist – Gold Mine Closure Strategy (2006-2007).
- Specialist Advisor – evaluation of the implications of political risk for the Thukela Water Project Feasibility Study, South Africa (2000).
- Institutional Specialist – Shared Rivers Initiative in the Incomati River Basin (2000).
- Project Leader – Water Demand Management, Natural Resource Reconstruction and Traditional Value Systems (Botswana and Zambia) (2000).
- Project Leader – Okavango Pilot Project (2002).
- Transboundary Specialist – Water Ecosystem Resources and Rural Development (WERRD) Project for the European Union (2001).

### **Delivery of Technical Training Courses**

Anthony Turton has designed and presented various technical training course modules on transboundary river basin management and the strategic significance of transboundary rivers in Africa. He has written widely on this topic.

### **Publications (full list available on request)**

Author / co-author of 18 chapters in books; Editor of 4 books; Author / co-author of 11 scientific articles; Author / co-author of 28 conference papers; Author / co-author of 26 technical reports. Full publication list as submitted to the National Research Foundation (NRF) for accreditation is available on request.