



**Tom Beer, IUGG Fellow**

**AUSTRALIA**

Tom Beer, D.Sc., Ph.D. has been a Director of Safe System Solutions Pty Ltd ([www.safesystemsolutions.com.au](http://www.safesystemsolutions.com.au)) a boutique consultancy dealing with road safety and environmental risk since retiring as Chief Research Scientist from CSIRO, the Australian Government Scientific Research Agency He was the first Australian to be President (2007-2011) of the International Union of Geodesy and Geophysics. He was the Founding Chair of both the IUGG Commission on Climatic and Environmental Change and also the Commission on Geophysical Risk and Sustainability. He is an international expert on environmental risk, including climate variability, climate change, greenhouse gas and air quality issues and particularly their application to transport and fuels. He was part of the team that won the CSIRO Chairman's medal in 2000. In 2016 he received separate awards for his international work from both the University of Sydney and from the American Geophysical Union.

Dr Beer is a Fellow of the Hungarian Academy of Sciences and a member of their Water Science Advisory Board. He chaired the meeting at the Hungarian Academy of Sciences that, in June 2002, adopted the Budapest Manifesto on Risk Science and Sustainability (<http://www.iugg.org/publications/reports/budapest.pdf>) whose overall framework has been incorporated into the international risk management standard ISO 31000. During 1995 he was Science Adviser to the Environment Protection Agency in Canberra and undertook a risk review of national environmental priorities. He was a member of the IPCC Expert Group on Greenhouse Gas Emissions from Waste, and also a lead author for the chapter on waste in the IPCC Special Report on Technology Transfer. For this work he received a certificate of recognition from the IPCC upon their receiving the 2007 Nobel Peace Prize.

Dr Beer is the author of fifteen books, over 150 articles in refereed journals, a similar number of book chapters and papers in conference proceedings, and over 44 specialised consultancy reports. His most recent book (October 2018) is "[Global Change and Future Earth](#)", an edited volume in the Cambridge University Press IUGG Series summarising the work of the IUGG Commission on Climatic and Environmental Change.

In 2004 he was awarded the degree of Doctor of Science by the University of Canterbury (New Zealand) for his work on The Atmosphere and its Risks. He is a Fellow of the Australian Meteorological and Oceanographic Society, the Environment Institute of Australia and New Zealand, the Australian Institute of Energy and the Clean Air Society of Australia and New Zealand for which Society he was the Founding Chair of the Risk Special Interest Group.