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## Curriculum Vitae

### Dr Gavin Kenny

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**Profession:** Climate change resilience expert

**Nationality:** New Zealand

#### Education:

1986-1989 PhD, Agricultural Meteorology, Lincoln University. Graduated in 1991.

1984-1985 MHortSc (Hons), Horticultural Science and Entomology, Lincoln College of the University of Canterbury. Graduated in 1986.

1978-1981 BHortSc, Horticultural Science, Massey University with final year papers in Natural Resource Economics, Soil and Water Management, Ecology and Environmental Agricultural Science. Graduated in 1982.

#### Honours/distinctions/contributions/representations:

- Intergovernmental Panel on Climate Change (IPCC) contributor including a lead author of the Agriculture chapter in the Second Assessment Report, contributing author to the Australia/NZ chapters of the Third and Fourth Assessments.
- Recipient of official certificate from the IPCC in recognition of my contribution to the award of the Nobel Peace Prize, 2007.
- Member, Climate Expert Panel, Royal Society of New Zealand, 2009-2015.
- MAF representative at United Nations Framework Convention on Climate Change (UNFCCC) adaptation workshop, Rome, September 2007.
- Member, Certenz Certification Committee, 2003 – 2005.
- Staff Merit Award, University of Waikato, 1995.

**Languages:** Native English speaker; basic French and Italian

**Countries I have worked in:** Bangladesh, Egypt, Fiji, Italy, Kiribati, Mauritius, Nauru, Nepal, New Zealand, Papua New Guinea, Samoa, Solomon Islands, Thailand, Tonga, Tuvalu, United Kingdom, Vanuatu, Viet Nam, Zimbabwe.

#### Key positions:

2001-present Director, Earthwise Consulting Ltd. Consulting work and project development and management focused on climate change adaptation, resilience, and long-term sustainability. A strong focus aimed at bridging between practical grassroots responses, science and policy

1993-2000 Senior Research Fellow. International Global Change Institute, University of Waikato. Research, capacity building and technical assistance work on climate change impacts, vulnerability and adaptation, and sustainable agriculture.

- 1991-1992 Research Scientist. Environmental Change Unit, University of Oxford. Coordinator of a collaborative, ECU-funded, project to evaluate the effects of climate change on agriculture and horticulture in Europe.
- 1991 Research Fellow. Atmospheric Impacts Group, University of Birmingham. Coordinator of a collaborative, ECU-funded, project to evaluate the effects of climate change on agriculture and horticulture in Europe.

### Summary of work experience:

I have worked professionally on climate change for over twenty five years. My focus throughout that time has been in the area of climate change impacts, vulnerability and adaptation, and resilience. I have extensive experience with project development and management, multi-disciplinary research, policy development, multi-stakeholder engagement, capacity building, facilitation, participatory approaches, grassroots engagement, technical support, climate change communication and bridging between science, policy and practical action. This experience has been gained through the following activities (more detail is given in my Employment Record):

- 2001-2016 – Director of my own consulting company during which time I have:
  - Completed various climate change adaptation consultancies in the Pacific, covering Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga, and Vanuatu, 2012-2015.
  - Developed and facilitated workshops in Mauritius on ‘Capacity building for development of climate resilient policies’; 2011 in Mauritius.
  - Developed film clips based on a self funded project aimed at documenting grassroots perspectives on climate change; based on travel in 2007 to Thailand, Viet Nam, Nepal, Egypt, Italy, Switzerland and France.
  - Developed and managed four separate Sustainable Farming Fund projects; 2001-2010, three of which were focused on climate change adaptation in eastern regions of New Zealand.
  - Successfully tendered for and completed four climate change adaptation projects through the Ministry of Agriculture and Forestry (now Ministry of Primary Industries); 2008, 2009, 2013, in New Zealand.
  - Completed several climate change adaptation consultancies for the Ministry for Environment; 2001, 2002, 2009, in New Zealand.
  - Completed various other climate change adaptation consultancies within New Zealand.
- 1993-2000 – Employed as a Senior Research Fellow at the International Global Change Institute, University of Waikato. My work included:
  - Managing a Fiji case study for a World Bank funded adaptation project; September 1999 to February 2000, in Fiji and New Zealand.
  - Contributing to professional training and technical assistance through the Pacific Island Climate Change Assistance Programme (PICCAP), leading technical assistance to Fiji, Kiribati, Nauru, Solomon Islands, Tuvalu and Vanuatu; April 1998 to September 1999.
  - Contributing to a development assistance project in northern Viet Nam focused on capacity building in participatory research methods; February 1997 to February 2001.
  - Responsibility for the day to day management and coordination of the CLIMPACTS project in New Zealand. I had significant intellectual input into development of the CLIMPACTS software which has now been commercialised by former colleagues as SIMCLIM; July 1993 to February 2001.
  - Team member in a project to determine the implications of climate change for the environment and people of Bangladesh; July 1995 - March 1998.
- 1991-1992 – Employed as a Research Fellow at the Atmospheric Impacts Research (AIR) Group at University of Birmingham, England and then subsequently as a Research Scientist at the Environmental Change Unit (now Institute), Oxford University, England. I was responsible for the management and coordination of a Europe wide climate change impacts project.

### Detailed Employment Record

#### *Earthwise Consulting Limited (March 2001 to present)*

- 2015-2016. Contracted by FAO Pacific as a **Climate Resilient Agriculture Expert** for the provision of technical expertise in the area of resilience, disaster and climate change in relation to the agriculture sector. Work is focused principally in Tonga, with additional work in Fiji and Vanuatu.
- 2015. Contracted by Société Française de Réalisation, d’Études et de Conseil (SOFRECO) as an **Adaptation Expert** to provide support to five Pacific Island Countries (Cook Islands, Marshall Islands, Niue, Tonga, Tuvalu) in preparation of their Intended Nationally Determined Contributions (INDCs) ahead of COP21.
- 2015. Contracted to the Secretariat of the Pacific Community to develop a revised Tonga Climate Change Policy.

- 2014-2015. Contracted through the UNDP Pacific Risk Resilience Programme to contribute to development of an Agriculture Sector Plan for the Kingdom of Tonga, integrating climate change and disaster risk reduction. Role as **Climate Change and Disaster Risk Management specialist**
- 2014. Developing the ClimateCare concept as an action focused response to climate change. Contracted to the New Zealand Landcare Trust to develop a background paper.
- 2013. Identification and evaluation of resilience indicators for dairy farming in New Zealand. Sub-contracted to Landcare Research as part of a Sustainable Land Management and Climate Change project with the Ministry of Primary Industries. **Principal role was to organise and play a lead role in farmer interviews and participatory workshops.**
- 2012. Mid Term Evaluation and Technical Review of the Pacific Adaptation to Climate Change (PACC) Project. Part of a small team evaluating a US\$13 million project covering 14 Pacific Island Countries. Contract with UNDP. **Contributed to work in Samoa and took lead role in Fiji, Papua New Guinea and Solomon Islands as well as contributing to the final report.**
- 2012. Development of Draft National Strategy for a Climate Resilient Samoa, as a contribution to Phase 1 of the Pilot Programme on Climate Resilience. Contract with Ministry of Finance, Samoa. **Lead author of the draft national strategy, which was developed in a participatory manner.**
- 2012. Capacity Assessment and Enhancement consultancy in Samoa, contracted to the Samoan Ministry of Finance, as a contribution to Phase 1 of the Pilot Programme on Climate Resilience. **Conducted interviews with civil society and government ministry people and produced a report.**
- 2011-2012. MAF contract focused on 'Demonstration of climate change issues to kiwifruit growers' in New Zealand. **This work involved organisation and facilitation of a series of participatory climate resilience workshops. End products were a technical bulletin and a poster.**
- 2011. Capacity building for development and review of climate resilient policies in Mauritius. Contracted to UNDP, Mauritius. **Developed and delivered three and four day participatory workshops over two three-week periods. Produced a final report and delivered training materials.**
- 2007- on-going. Grassroots perspectives on climate change. An on-going film project, self-funded to date, based on interviews with local people in Viet Nam, Thailand, Nepal, Egypt, Italy and France. **Edited film clips which have been used in participatory workshops.**
- 2011. **Development of a briefing document** on climate change for Bay of Plenty Regional Council for discussion with senior managers. This document is aimed at providing guidance on how to develop a more action-focused approach to climate change.
- 2010. **Background paper** on climate change for Hastings District Council.
- 2010. Invited expert for a 2-day grassroots event hosted by the Agri-Nature Foundation in Thailand. **Presentation to event participants.**
- 2008-2010. Adapting to climate change in hill country Hawke's Bay. A two year project, funded by the MAF Sustainable Farming Fund and Hawke's Bay Regional Council. **Principal work involved farmer interviews, a participatory workshop and field days on farms. Produced farmer friendly fact sheets and case studies.**  
<http://www.maf.govt.nz/sff/about-projects/search/C08-022/index.htm>
- 2009. Several contracts with the New Zealand Ministry of Agriculture and Forestry as part of their 'Climate Change Plan of Action' programme. **Produced a series of fact sheets on climate change as well as farmer case studies.**
- 2009. **Development of adaptation case studies** for the New Zealand Ministry for the Environment.
- 2008-2009. Adaptation of lowland/coastal dairy farming in the Bay of Plenty. A scoping project, approved for funding by the MAF Sustainable Farming Fund, and Environment Bay of Plenty. <http://www.maf.govt.nz/sff/about-projects/search/LC08-023/index.htm> **Farmer interviews, participatory workshops and a field day. Produced a fact sheet.**
- 2008. Adaptation – Developing Case Studies in the Kiwifruit Industry, MAF Climate Change – 'Plan of Action' Research Programme 2007/08. <http://www.maf.govt.nz/climatechange/slm/grants/research/2007-08/2008-25-summary.htm> **Farmer interviews and participatory workshops. Produced a report.**
- 2008. **Co-facilitator of Hastings District Sustainability Forum.** Contracted by Hastings District Council.
- 2006 – 2007. Adapting to Climate Change: Enabling community responses project. Contractor to Environment Bay of Plenty. **Farmer and council staff participatory workshops**
- September 2007: New Zealand MAF representative at UNFCCC Workshop on Adaptation Planning and Practices under the Nairobi Work Plan on Impacts, Vulnerability and Adaptation to Climate Change.
- February – July 2007: Grassroots perspectives on climate change from Asia to Europe. A self-funded trip to document and film farmers, village leaders' perspectives on climate change and adaptation. See <http://www.earthlimited.org> **Farmer interviews**
- 2006 – 2007: **Contributor to the Australia/NZ chapter of the Third Assessment Report of the IPCC.**
- August – September 2006: **Background paper on adaptation.** Parliamentary Commissioner for the Environment. <http://www.maf.govt.nz/climatechange/slm/grants/research/2007-08/2008-25-summary.htm>
- August 2005 – 2007: Changing attitudes and practice for farming dry land in Marlborough. Provided climate change adaptation context for SFF project managed by the Landcare Trust. **Farmer interviews and participatory workshop**

- September 2005 – March 2006: Biotic effects of climate change in Bay of Plenty. **A report prepared** for Environment Bay of Plenty on potential effects of climate change on biosecurity, biodiversity and agriculture in the region. [www.envbop.govt.nz/Sustainable-Communities/What-we-are-doing.aspx](http://www.envbop.govt.nz/Sustainable-Communities/What-we-are-doing.aspx)
- April 2003 – July 2005: Adapting to climate change in eastern New Zealand. Management of a Sustainable Farming Fund project. See <http://www.earthlimited.org/accenz.html> **Farmer interviews and participatory workshops. Produced two publications in collaboration with an artist.**
- January-May 2003: **Guidance manual on climate change effects and impacts assessment for local government in New Zealand.** Sub-contracted to NIWA.
- March 2002: **Climate change impact summaries for New Zealand regions.** Prepared for the New Zealand Climate Change Project (Department of Prime Minister and Cabinet (DPMC))
- September 2001 – December 2003: Development of technical information resources and an advisory capability for organic and biodynamic producers. Management of a Sustainable Farming Fund project. <http://www.biodynamic.org.nz/guide.html> **Facilitated farmer engagement, including some workshops. Facilitated the production of four organic production resource guides.**
- November-December 2001: Climate Change and Land Management in Hawke's Bay: A pilot study on adaptation. Contracted by Ministry for the Environment and Hawke's Bay Regional Council. **Farmer interviews, participatory workshop and final report.**
- March 2001 – September 2001: A review of New Zealand and international organic land management research. Contractor as part of a Sustainable Management Fund project. **Contributed to a report.**
- March 2001 – June 2001: Effects of climate change on agriculture in New Zealand. Contracted by the New Zealand Ministry for the Environment. <http://www.mfe.govt.nz/publications/climate/impacts-agriculture-sep01/impacts-agriculture-sep01.pdf> **Produced a publication.**

#### ***International Global Change Institute (1993 to February 2001)***

- July 1993 – February 2001: Environmental effects of climate variations (CLIMPACTS), funded by Foundation for Research, Science and Technology - Coordinator of the CLIMPACTS research programme. **Edited and contributed to final report.**
- February 1997 – February 2001: **Capacity building in participatory research methods, northern Viet Nam,** funded by ADAF. **Assisted with facilitation of participatory workshops.**
- March 2000: FIJICLIM Training Workshop and National Workshop on Climate Change Study, Fiji. **Manager of a small World Bank project to develop and transfer an integrated climate change assessment model (FIJICLIM) to Fiji as well as run a national climate change workshop in Fiji.**
- September 1999 – February 2000: World Bank Regional Economic Report – **Coordinator of climate change vulnerability and adaptation case study in Fiji**
- March 1999 – September 1999: Pacific Island Climate Change Assistance Programme (PICCAP) - **Coordinator and provider of technical assistance to PICCAP countries.**
- April 1998 - December 1998: Pacific Island Climate Change Assistance Programme (PICCAP) - **Course developer and trainer for the PICCAP Certificate Programme on Climate Change Vulnerability and Adaptation Assessment.**
- November-December 1997: Asia 2000 exchange of delegations between Thai Nguyen University and University of Waikato. **Team member of the IGCI, Asia 2000 funded, delegation to Thai Nguyen University, northern Vietnam.**
- March-June 1997: UNITAR, CCTRAIN training package on Climate Change Vulnerability and Adaptation Assessment. **Contributor to development of the CCTRAIN training package on climate change vulnerability and adaptation assessment** which was trialled at a two week workshop in Zimbabwe.
- February 1997: Commissioned by the NZ Ministry for the Environment to make a contribution to New Zealand's second national communication under the Framework Convention on Climate Change II (MfE). **This contribution focussed on output from the IGCI's CLIMPACTS, climate change impacts, research programme for New Zealand.**
- 1995-1996: A lead author for Chapter 13 of the Intergovernmental Panel on Climate Change (IPCC) Working Group II report - **Invited to contribute to the IPCC Working Group II, 2<sup>nd</sup> Assessment report. In particular, contributed a report on the effects of climate change on agriculture in Oceania (NZ, Australia and the Pacific Island countries).**
- July 1995 - March 1998: The implications of climate change for the environment and people of Bangladesh, Phase II (Ford Foundation) – CEARS/IGCI team member in partnership with the Bangladesh Unnayan Parishad (BUP) from Dhaka to determine the possible effects of climate and sea-level change on Bangladesh.

#### ***Environment Change Unit, Oxford (1991 to 1992)***

*The effects of climate change on agriculture and horticulture in Europe.* I was responsible for the day-to-day management of this 2-year project, which involved coordinating contributions from 9 research institutes from 6 EU member countries. **Lead author/editor of final project report.**

#### ***New Zealand Meteorological Service (1990)***

Short-term contracts focused on analysis of historical UV radiation data and analysis and interpretation of climate and kiwifruit phenology data.