

**Doctors for the
Environment
Australia**

ANNUAL REPORT

2011



www.dea.org.au

Doctors for the Environment Australia

Promoting health through care of the environment

Chair's Report

As the new Chairman of Doctors for the Environment Australia (DEA) I approach my new mission with enthusiasm and I thank David Shearman, Bill Castleden and George Crisp for their face to face briefings and for the advice also given to me by the previous Chair, Michael Kidd.

I am well aware that the environmental challenges facing Australia and the whole planet are urgent and immense. I am now also aware that there are many members of DEA who are both very well informed and very active in addressing a number of specific environmental issues.

Over the past month, I have had the opportunity to meet a number of other outstanding individuals from many environmentally concerned organizations who are devoting much if not all of their time and their talents to these matters.

Although focused involvement in environmental matters has not been part of my professional life to date, experience as Chairman of the Australian Council on Smoking and Health (ACOSH) and involvement with that advocacy organization for several decades has been invaluable in appreciating the task ahead in this new role.

Transforming Australia National Summit, Geelong, Victoria 29th September-2nd October 2011.

The organizers of this three day event invited DEA to send a representative to it and I went in that capacity. Around 60 invited participants attended the sessions.

The Summit could be summarized in many ways but my impressions were as follows:

- It outlined the major local and global challenges and the desperate urgency of responding to them
- It analyzed the various strengths and resources within the groups represented at the Summit
- It focused upon some of the alternative pathways which could be taken to move towards a more sustainable resource sharing and preserving, and renewable energy promoting, future
- It emphasized that our current corporate and governance structures, both locally and globally, are proving incapable of addressing the challenges seriously enough, and urgently enough, to meet them and that new structures and new behavioral patterns will be needed to do so
- Those who do have deep and well informed environmental concerns were strongly challenged to tackle the huge task ahead by first reviewing their own unity of purpose and clear strategy for effective action

- The Summit looked at the huge potential for information exchange, organizational networking and opinion influencing via electronic media. (It can overcome political spin and media bias if used truthfully and wisely.)
- It also recognized that young people will become more involved as they become better informed and that they will demand the changes needed to tackle the current planetary self destructive trajectory

Medical Journal of Australia article

It was very pleasing to see that the Medical Journal of Australia published the well researched and timely article on the health consequences of coal mining and coal burning written by Bill Castleden, David Shearman, George Crisp and Philip Finch. This publication in September was the culmination of a year of many publications which have drawn attention to these health impacts and their remediation by renewable energy policy.

Professor Kingsley Faulkner
Chair
Doctors for the Environment Australia

Action on fossil fuels, coal and coal seam gas

Professor Ian Chubb, Chief Scientist said "Science will always have some level of uncertainty, but if you're 95 per cent certain your house is going to burn down, do you do nothing? I don't think so." Professor Ross Garnaut said "Australian public discussion of climate change policy over recent times has been the focus of more elaborate and extreme distortion of reality and abuse of truth than I have seen in my adult lifetime of interest in public policy".

With the present Australian public debate often miring the science, DEA has found it increasing difficult to progress in informing the public of the health implications of climate change. In this context DEA made a policy decision to educate both governments and the public of the wide ranging adverse health impacts (from local pollutants and greenhouse gas emissions) of the fossil fuel industry. We decided to work towards the mitigation of greenhouse emissions, by focusing on opposing the expansion of the coal industry.

DEA also supported the carbon tax as an important public health measure that has the potential to gradually curtail our reliance on coal for energy and the broader fossil fuel industry.

DEA made a policy decision to advocate on the potential health impacts of the coal seam gas industry to pollute water and degrade food producing land.

Our advocacy surrounding the health effects of the fossil fuels, coal and coal seam gas has been multipronged:

- Support for community groups in NSW, QLD and Victoria; provision of information and talks at Forums
- Opposition to the proposed Dual Gas Demonstration Project, Morwell, Victoria that plans to use brown coal, due to the potential adverse health effects locally and from greenhouse gas emissions. We obtained pro bono legal counsel to oppose the development, along with other groups, through the Victorian Civil and Administrative Tribunal
<http://www.epa.vic.gov.au/compliance-enforcement/comments/dualgas-docs/31Aug2011-VCAT-orders.pdf>
- An initiative for members to write to their banks to oppose financing of new coal mines
- Many articles in the national press, on-line journals and letters to the editor of newspapers
- Submissions to environmental assessment processes for new mines, for example the Carmichael coal mine in Queensland
- Members of DEA meeting members of parliaments to brief them on the health impacts of the coal industry

- Comprehensive submissions on the health impacts of coal seam gas to the Inquiries by the Federal Senate and the NSW Parliament
- Detailed programs to oppose coal mines or their expansion in the Margaret River (WA), Anglesea (VIC) open cast mine (within 2 km of a primary school and town) and Hunter (NSW)
- Initiatives to replace the Playford coal burning power station in SA with solar thermal energy
- DEA has written twice to all Federal Labor Members and Senators on the health impacts of coal and coal seam gas mining. All coalition members have received a letter about their climate change policy and DEA representatives met with Greg Hunt, the Shadow Minister for Climate Action, Environment and Heritage
- A briefing to the Members of the Parliament of Victoria on the health impacts of coal
- DEA met with State Ministers, Minister Davis (Health) in Victoria and Minister O'Brien (Energy) in SA on issues pertaining to fossil fuels

Health Impact Assessment

In our review of the potential health consequences of the rapidly developing coal seam gas industry we became concerned with the processes of environmental and health assessment. In particular we recognised the inadequate health assessments on coal and coal seam gas mining in most States. Our concern extends particularly to the rapidly expanding coal mining industry.

As a result DEA realises the need for urgent reform with the institution of health impact assessment processes. Doctors for the Environment Australia commenced promoting this need in articles and in discussion with politicians.

Population Policy and Initiatives

In response to the Federal government's Sustainable Population Strategy for Australia DEA developed a revised policy paper [http://dea.org.au/images/general/Doctors for the Environment Australia population policy with endnotes .pdf](http://dea.org.au/images/general/Doctors_for_the_Environment_Australia_population_policy_with_endnotes.pdf) and a Population and Health poster <http://dea.org.au/resources/file/Pop-poster>. The former was sent to all members of Parliament and the latter to 23,000 General Practitioners on the Medical Observer mailing list.

In our policy paper we recommended that a national task force be formed to prepare a report on an environmentally sustainable population for Australia. This should be based upon scientific, demographic and health science and not on the interests of community sectors with conflicts of interest. The policy was announced with a press release featuring

Dick Smith and articles followed in The Age, The Canberra Times, The West Australian, The Punch (on line) and Medial Observer. There were several radio interviews around Australia. Additional exposure was obtained with press releases from Senator Nick Minchin (Lib) and Kelvin Thomson (ALP).

A roundtable discussion with Minister Burke was attended by DEA Management Committee member, George Crisp. Although the discussion and the subsequent government report indicated very little advance from previous thinking, we feel our initiatives are important to sow the seeds for the future policy decisions.

Renewable energy; action on the positive health aspects of wind farms

Wind farms are essential in the transition to renewable energy but in view of claims of adverse health impacts from noise, DEA embarked on the following initiatives.

After reviewing the peer reviewed medical literature, DEA made a submission to the Senate Community Affairs Committee Inquiry into the Social and Economic Impact of Rural Wind Farms. This appeared on the government's web site http://www.aph.gov.au/senate/committee/clac_ctte/impact_rural_wind_farms/submissions.htm Submission number 829.

George Crisp gave evidence to the Senate Committee on our behalf. The Hansard transcript is at <http://www.aph.gov.au/hansard/senate/commttee/S13730.pdf>. The Senate report made several recommendations which opposed a moratorium or mandatory setbacks which had been advocated by wind farm opponents. Further research was recommended.

DEA has a position paper on wind farms and health http://dea.org.au/images/general/Health_Effects_of_Wind_Turbines_July_2011.pdf and the claims that wind farms have adverse health impacts were addressed in an article in Climate Spectator <http://www.climatespectator.com.au/commentary/unhealthy-claims-blowing-wind>.

DEA student member activities in 2011

The past year has seen the student wing of DEA grow significantly both in numbers of members and activity across all states and territories of Australia. While the major events on the student calendar continue to be the iDEA conference and the Code Green campaign, these have been well complemented by a number of activities springing up at state and regional levels, thanks largely to a number of highly motivated and organised student members. Although DEA student teams at a national and state level are now becoming well established, the continued expansion of the student body has also recently raised questions of how student activities can best contribute to DEA's broader objectives as well as how our advocacy can be most effectively maintained.

iDEA Conference

The catalyst for this year's achievements by DEA student members was undoubtedly the iDEA Conference, held at the Royal Prince Alfred Hospital in Sydney at the end of April. The two-day conference was entirely organised by DEA students and was attended by around 80 medical students from around the country, as well as a number of doctor members of DEA. Speakers included Richard Denniss of the Australia Institute, Dr Linda Selvey from Greenpeace and Senator Christine Milne amongst others including a number of doctors active within DEA. A program of lectures, panel discussions, workshops and training allowed student members to learn more about the issue as well as develop their activism skill sets in preparation for the year ahead. iDEA also provided a setting to initiate planning for activities for the Code Green campaign, as well as to hold the student AGM and elect a new committee for the coming year. Feedback from attendees was extremely positive, and students are keen for the event to be annual and have greater participation from DEA doctors in the future.

Code Green

When asked why they first became involved in DEA, most medical students' answer has the common theme of learning that "climate change is the greatest threat to global health in the 21st century". The Code Green campaign first appeared in 2009 as a joint initiative of DEA and the Australian Medical Students' Association (AMSA). This year, the campaign was run as a 'National Week of Action' from August 1–7; with the aim of mobilising students in all states and territories and providing maximal community and media exposure. Student teams in each state were asked to run events that explained the relationship between climate change and health to other medical students and health professionals, events that communicated the urgency of the issue to politicians and the broader community, and events that were a fun and practical response to the challenge of CO₂ emissions. As such, events ranged from movie screenings to lunch time talks, quiz nights to political briefings and radio interviews. All states also held a tree-planting day, which attracted over 100 students in total and provided a fun event which was highly visible, providing great opportunity for media coverage of the campaign. Whilst planting trees is a very small response to the need to cut carbon emissions, holding the event garnered strong interest from local media organisations and allowed the campaign to gain exposure to the broader community. In New South Wales, the tree-planting event was attended by Mayor of Leichhardt Rochelle Porteus, and state Greens MP Jamie Parker who subsequently gave a speech to the NSW parliament about DEA and Code Green.

Other student activities

This year, students were also quickly mobilised to participate in and support the 'Say Yes to carbon pricing' campaign, providing a highly visible presence at rallies around the country. Student members were keen to participate in this sort of broader national campaign, and felt that we have a valuable message to contribute to the discourse around climate change action in Australia. As such, the student committee has also kept in regular contact with other relevant advocacy groups about ways in which we can support one another better in the future. In particular, DEA student members have been strongly encouraged to attend the Australian Youth Climate Coalition's (AYCC) upcoming 'Power Shift' events in Brisbane and Perth.

DEA Students were also once again a valued part of AMSA's Global Health Conference, holding a stall throughout the event which attracted strong interest from medical students around the country, as well as promoting the Code Green campaign. At a state level, some DEA student groups have started running regular informal education and letter-writing activities in the form of journal clubs; where students present new and interesting articles that would be of interest to DEA then follow them up with their new learnings and a letter to our representatives or the media. The DEA Student committee is currently looking at how these events could be formalised and replicated across all states, allowing for regular nationally coordinated letter-writing campaigns.

Submissions made to Parliamentary Committees

This important part of our work allows us to place before a number of Members and Senators important health and environmental considerations. The submission is placed on the Parliamentary web site which has parliamentary and public exposure. Submissions offer the option of appearance before the Committee and the transcript is also placed on the Parliamentary web site. In 2010-2011 some of the submissions were comprehensive documents which have been widely quoted.

Submissions have also been made to state and federal government bodies and Committees. All are listed below and are on the DEA web site including submissions which state governments chose not to make public.

Submission to the Parliament of NSW coal seam gas (Inquiry) submission 412
<http://www.parliament.nsw.gov.au/prod/parlament/committee.nsf/0/29AE48525CFAEA7CCA2578E3001ABD1C>

Response to the Department of Economic Development and Innovation, Mining and Petroleum Survey Questions from Doctors for the Environment Australia
http://dea.org.au/images/uploads/submissions/Queensland_Mining_Submission_09-11.pdf

The submission explores the buffer zones for coal mines and the co-existence between urban living and mining development.

Submission on the Carbon Price Legislation
http://dea.org.au/images/uploads/submissions/DEA_submission_on_draft_carbon_price_legislation.pdf

Inquiry into Environmental Design and Public Health
http://dea.org.au/images/uploads/submissions/Env_Design_PH_Sub_Vic_11.07.2011.pdf

"That this House requires the Environment and Planning References Committee to inquire into, consider and report on the contribution of environmental design to prevention and public health in Victoria"

Management of the Murray Darling Basin Senate Enquiry
http://dea.org.au/images/uploads/submissions/MDB_CSG_Senate_submission_June_2011.pdf
Submission to the Rural Affairs and Transport References Committee Inquiry into Management of the Murray Darling Basin and relates to the effects of Coal Seam Gas mining.

Dual Gas Power Station - Morwell, VIC

http://dea.org.au/images/uploads/submissions/DEA_Morwell_sub_05.11.2010.pdf

Strategic Energy Initiative Directions Paper - WA

http://dea.org.au/images/uploads/submissions/Strategic_Energy_Initiative_WA_.pdf

In March 2011, the State Government released the Strategic Energy Initiative's Directions Paper, calling for public comment.

Draft Climate Change Adaptation Framework for South Australia "Prospering in a Changing Climate"

http://dea.org.au/images/uploads/submissions/DEA_response_SA_adaptation.pdf

The document is intended to serve as a framework for directing strategies to adapt to climate change. The DEA submission outlines the need for health to be the fundamental focus of the framework as it underpins all aspects of adaptation and is potentially more economically harmful than any area and potentially has dramatic effects on the health of our state.

Submission on the Carmichael Coal Mine EIS

http://dea.org.au/images/uploads/submissions/Carmichael_submission.pdf

The Social and Economic Impact of Wind Farms

http://dea.org.au/images/uploads/submissions/Wind_farms_senate_sub_2011.pdf

Submission to the Senate Community Affairs Committee Inquiry into the Social and Economic Impact of Rural Wind Farms

Medical Observer and DEA collaboration

During 2011, DEA's successful collaboration with Medical Observer has continued. DEA has particularly appreciated the support of Editor Brad McLean and Associate Publisher Deana Henn. Medical Observer has been keen to focus on medically related environmental issues and to support DEA in general.

In February, Medical Observer distributed a copy of our Population poster to its full circulation. This was in the same issue as a news article on our population campaign featuring an interview with Dick Smith entitled "Dick Smith joins doctors' sustainability campaign" and an opinion piece by George Crisp entitled "Population growth is hurting our planet, now".

Medical Observer's annual environmental issue this year included the following articles with references to DEA:

- DEA opinion piece by George Crisp entitled "Are we in danger of passing peak health?"
- A double page feature article "Young Doctors take on Climate Change" quoting Rohan Church and David Shearman
- Expert commentary by Grant Blashki about the reasons why "tackling climate change" is good for our health
- A news article "'GPs divided over Carbon Tax plans" quoting Graeme Horton

Other articles this year have included an opinion piece by student member Mani Berghout entitled "Neglect of this patient will affect all of us" about health and environmental sustainability issues and an opinion piece by George Crisp on the health impacts of air pollution. All of the DEA opinion pieces have been printed with DEA acknowledged as the source of the articles.

DEA articles in Medical Observer 2010-2011

- "Population growth is hurting our planet, now" George Crisp, 11 February 2011 <http://www.medicalobserver.com.au/news/population-growth-is-hurting-our-planet-now>
- "Neglect of this patient will affect all of us" Mani Berghout, 22 April 2011 <http://www.medicalobserver.com.au/news/neglect-of-this-patient-will-affect-all-of-us>
- "Climate change needs longer view" George Crisp and Rohan Church, 20 May 2011
- "Are we in danger of passing peak health?" George Crisp, 3 June 2011 <http://www.medicalobserver.com.au/news/are-we-in-danger-of-passing-peak-health>
- "The Air you breath can harm your health" George Crisp, 5 September 2011 <http://www.medicalobserver.com.au/news/the-air-you-breathe-can-harm-your-health>

Articles in Medical Observer quoting various DEA members 2010-2011

- "Dick Smith joins doctors' sustainability campaign" quoting George Crisp, 11 February 2011 <http://www.medicalobserver.com.au/news/dick-smith-joins-doctors-sustainability-campaign>
- "Doctors urge banks to think greenhouse" quoting Graeme Horton, 22 February 2011 <http://www.medicalobserver.com.au/news/doctors-urge-banks-to-think-greenhouse>
- "New search for environmental crusaders" quoting David King, 18 March 2011 <http://www.medicalobserver.com.au/news/new-search-for-environmental-crusaders>
- "Doctors' group wants end to mining process" quoting Helen Redmond 1 April 2011 <http://www.medicalobserver.com.au/news/doctors-group-wants-end-to-mining-process>
- "Health and environment link vital in planning urban centre" quoting Graeme Horton, April 8 2011 <http://www.medicalobserver.com.au/news/health-and-environment-link-vital-in-planning-urban-centres>
- "Doctors must lead in climate change" quoting Garry Egger and Peter Tait, 13 May 2011
- "GP practices can reduce impact on environment" quoting Eugenie Kayak, 13 May 2011 <http://www.medicalobserver.com.au/news/gp-practices-can-reduce-impact-on-environment>
- "No ill health links to wind farm noise" quoting Graeme Horton, 8 July 2011
- "Warning on risks of coal seam mining" quoting David Shearman, 19 July 2011
- "GPs divided over Carbon Tax plans" quoting Graeme Horton 3 June 2011
- "Is tackling climate change good for our health?" quoting Grant Blashki 3 June 2011
- "Young Doctors take on Climate Change" quoting Rohan Church and David Shearman 3 June 2011

Educational Activities

Education on the health consequences of environmental damage is a prime objective of our organisation. All the activities detailed in this report are in effect educational or briefing activities for governments, public and the medical profession. Within our profession we have continued to speak to hospital 'grand rounds' and at medical meetings. The web site and the provision of posters are key elements of our ongoing educational commitment.

Summary of the Treasurer's Report for the financial year 2010-2011

The total equity for the year ending June 2011 was \$124,581 (compared to \$151,825 for the previous financial year). The expenditure in excess of income was \$27,244. Income generated from membership fees and donations was approximately \$10,000 less than the previous financial year. Much of the deficit was due to the first full year of operation of the DEA National Office in South Australia.

Please see the Annual Financial Statement for more details.

Hakan Yaman, Honorary Treasurer

Management Committee for 2011-2022

The following committee was elected on October 17, 2011

Professor Kingsley Faulkner – Chair
Professor David Shearman – Secretary
Dr Hakan Yaman – Treasurer
Dr Marion Carey (VIC)
Rohan Church – Student Representative
Dr George Crisp (WA)
Dr Eugene Kayak (VIC)
Dr David King (QLD)
Dr Linda Selvey (WA)
Dr Peter Tait (ACT)
Dr Ben Ticehurst (NSW)
Dr Dimity Williams (VIC)

DEA Scientific Advisory Committee

We are fortunate to have the support of a Scientific Advisory Committee consisting of eminent doctors and scientists and we thank them for their advice and contributions throughout the year. The members of this committee are:

Professor Stephen Boyden AM
Professor Peter Doherty AC
Professor Bob Douglas AO
Professor Michael Kidd AM
Professor David de Kretser AC
Professor Stephen Leeder AO
Professor Ian Lowe AO
Professor Robyn McDermott
Professor Tony McMichael AO
Professor Peter Newman
Professor Emeritus Sir Gustav Nossal AC
Professor Hugh Possingham
Professor Lawrie Powell AC
Professor Fiona Stanley AC
Dr Rosemary Stanton OAM
Dr Norman Swan
Professor David Yencken AO

Thank you to our many contributors

No organisation such as ours can function effectively without the dedication of so many colleagues and helpers.

Our thanks are due to the retiring members of the Management Committee; Grant Blashki was a founding member and has made huge contributions over the years; Gilles Rohan has served as ACT representative for many years and Zoe Ling for Tasmania over the past year. All members of the Management Committee deserve thanks from the membership for their unstinting service carved out of their meagre leisure and family time. They travel the country representing DEA and pay all their own expenses. Dedicated is the only description.

A special thank you to the many students who have helped us have a much increased impact over the past two years.

We thank many non-medical persons for their voluntary assistance with particular mention of our auditor, Cameron Batterham and web advisor Mark White.

We thank the many members of DEA who contribute time and whatever donations they can afford. Our budget is tight and we have survived on their generosity.

Joy Oddy, Administration Officer, continues to make her contribution to our efficiency and public face and we thank her for her commitment.

Publications

Carey M, Shearman D. Hidden costs of the CSG rush, Climate Spectator 29 July 2011

http://www.climatespectator.com.au/commentary/hidden-costs-csg-rush?utm_source=Climate%20Spectator&utm_medium=email&utm_campaign=d1e0470c14-CSPEC_DAILY

Castleden W, Finch P, Shearman D, Crisp G. The mining and burning of coal: its effects on health and the environment, MJA September 18 2011

http://www.mja.com.au/public/issues/195_06_190911/cas10169_fm.html

Church R. 'Doctors for the Environment Australia', Global Health Conference Book, July 2011

Church R. 'Climate change, natural disasters, health', AMSA 'Vector' magazine July 2011

Crisp G. Giving climate change the right health treatment, Shaping Tomorrows Future May 26 2011

<http://www.shapingtomorrowworld.org/crispHealth.html>

Crisp G. Unhealthy claims blowing in the wind, Climate Spectator, 13 May 2011

<http://www.climatespectator.com.au/commentary/unhealthy-claims-blowing-wind>

Darmasetiawan C, Glogovska K. Diagnosis: Climate Change, 'Stimulus' magazine

Finlay B. Changing the Climate of Medicine, 'Placebo' magazine April 2011

Finlay B. Who's looking out for Health – the Health Impacts of Coal Seam Gas, 'Placebo' magazine in press

Horton G. Balancing medicine and lifestyle Part 1, NSW Doctor, Page 16-17, Vol 3 No 9 October 2011 <http://amansw.com.au/media/File/oct.pdf>

Kayak E. Green Doctors, Anaesthetic and Surgical Life Nov/Dec 2010

http://dea.org.au/news/article/green_doctors_anaesthetic_life

Kayak E. Too Many Questions About Open Cut Coal, Geelong Advertiser 12 May 2011

http://www.geelongadvertiser.com.au/article/2011/05/12/257641_opinion.html

King D. Climate change is about science – not belief, Crikey 29 August 2011

<http://blogs.crikey.com.au/croakey/2011/08/29/communicating-the-science-on-climate-change/>

McGain F, Kayak E. Risk Management: Where are hospital 'green' committees and officers? Australian Health Review 25 November 2010 <http://www.publish.csiro.au/paper/AH10891.htm>

Redmond H. Instant Expert, 'G' magazine issue 33, August/September 2011

Redmond H. The Question: Is Coal Seam Gas Worth the Risk? Sydney Morning Herald, The Age, 20-21 August 2011

Shearman D, Lloyd Smith M. Coal Ash and Mercury: why coal is a health hazard, The Drum (ABC) 22 December 2010
<http://www.abc.net.au/unleashed/42476.html>

Shearman D. Fears over gas drilling more than hot air, The Drum 22 February 2011
<http://www.abc.net.au/unleashed/44356.html>

Shearman D. Science, not vested interests, must shape population policy, The Punch 24 February 2011 <http://www.thepunch.com.au/articles/science-not-politics-must-decide-how-big-australia-gets/>

Shearman D. Big Coal: A burning economic and health issue, The Punch 17 March 2011
<http://www.thepunch.com.au/articles/big-coal-a-burning-issue/>

Shearman D. Coal seam gas: a sleight of hand? The Drum 11 April 2011
<http://www.abc.net.au/unleashed/55656.html>

Shearman D. Time to clear the air, Climate Spectator April 19 2011
<http://www.climatespectator.com.au/commentary/time-clear-air>

Shearman D. Stuff Adelaide Oval, let's fix the environment first, The Punch 27 April 2011
<http://www.thepunch.com.au/articles/Stuff-adelaide-oval-lets-fix-the-environment-first/>

Shearman D, Crisp G, King D. Giving climate change the right health treatment, Climate Spectator May 20 2011 <http://www.climatespectator.com.au/commentary/giving-climate-change-right-health-treatment>

Shearman D, Crisp G, King D. Giving climate change the right health treatment, Crickey May 20 2011 <http://blogs.crikey.com.au/croakey/2011/05/20/racp-urged-to-show-leadership-on-climate-change-the-greatest-threat-to-human-health-in-the-21st-century/>

Shearman D. What the frack is going on with coal seam gas? The Conversation 27 May 2011 <http://theconversation.edu.au/what-the-frack-is-going-on-with-coal-seam-gas-1507>

Shearman D. Health, coal and climate change, Climate Spectator June 16 2011
<http://www.climatespectator.com.au/commentary/health-coal-and-climate-change>

Shearman D. It's time for the health professions to rally around the patient, Crickey 11 July 2011 <http://blogs.crikey.com.au/croakey/2011/07/11/a-small-but-significant-step-towards-a-healthier-world/>

Shearman D. Health, mining reform needed for coal seam gas industry, ABC Unleashed 8 August 2011 <http://www.abc.net.au/unleashed/2828634.html>

Shearman D. Coal industry healthy but community is not, Newcastle Herald Op-Ed 29 September 2011

Conferences, Talks and Lectures

Bailey S. The Inconvenient Truth about Coal Seam Gas, public forum, Brisbane, 8 September 2011

Carey M, Blashki G, McCubbin J, Kayak E. 'Human Health Impacts of Coal', Victorian Members of Parliament, Parliament House, 25 May 11

Carey M. NHMRC Wind Farms and Human Health scientific forum, 7 June 2011

Carey M. Human Health Impacts of Climate Change, presentation to medical students, 27 July 2011

Carey M. Coal, air pollution and health, presentation at Anglesea Community Hall at the invitation of the Anglesea Air Action Group, 11 September 2011

Church R, Correy J, The health costs of coal, teleconference between Burnie and Hobart, April 2011

Church R, Correy J. Code Green and student activism, ANZAHPE Conference, Alice Springs, June 2011

Church R, Correy J. 'Code Green 2011', Global Health Conference, Sydney, July 2011

Church R, Correy J, Frain A. Climate change and health, presentation to Burnie medical school community, September 2011.

Crisp G. Population round table discussion, Hon Tony Burke MP, February 2011

Crisp G. Health Risks from GM Foods, GM Ethics public meeting, 21 March 2011

Crisp G. Health, Climate Change and Renewable Energy, meeting with Hon Mark Dreyfus QC 30 March 2011

Crisp G. Appearance before the Senate Committee Inquiry into the Social and Economic Impact of Rural Wind turbines, 31 March 2011

<http://www.aph.gov.au/hansard/senate/commtee/S13730.pdf>

Crisp G. Climate Change and Health, Curtin University Sustainability Program, 6 April 2011

Crisp G. Health Co-benefits of Renewable Energy, UWA Sun Fair, 17 April 2011

Crisp G. Climate Change and Health, Curtin University, 11 May 2011

Crisp G. Health Effects of Urban Development, Nedlands Council, 20 June 2011

Crisp G. Air Pollution and Health, Road to Rail Campaign Launch, Fremantle, 7 August 2011

Crisp G, Social and environment problems associated with Lynas' rare earth metal refinery, Malaysian delegation from "Stop Lynas", 15 September 2011

Crisp G, Carey M, Redmond H. Appearance before the Senate Committee Inquiry into MDB CSG, 9 September 2011

Doherty P, Redenbach M. Introductory speeches prior to Gaslands film night, Melbourne University, 8 August 2011

Johnston F. Grand Rounds, Royal Hobart Hospital, 15 July 2011

Kayak E. The Green Anaesthetist, NSW Australian Society of Anaesthetists CME meeting 2 April 2011

Kayak E. 'Health Advocacy and DEA', DEA/IGNITE meeting, Monash University, 27 July 2011

Kayak E. Environmental Advocacy and Anaesthesia, Australian Society of Anaesthetists National Scientific Meeting, Sydney, 8 September 2011

Kayak E, Carey M. Appearance before the VIC Legislative Council Environment and Planning Committee, 23 August 2011

King D. Who are we, where are we going, how do we get there? NTEU, "Pushing the boundaries" National Climate Change Conference 29 April 2011

King D. Non-communicable Disease and Climate Change, WUN Environment and Law Conference, University of Sydney, 5/6 May 2011

Rasmussen L. Health Impacts of Coal, Environment Victoria HRL briefing, 28 September 11

Redenbach M. Climate Change and Health, Sunshine Hospital ED, 3 November 2010

Redenbach M. Health Impact of Coal, Anglesea Air Action beachside public meeting, 7 April 2011

Redenbach M. Coal, Renewable Energy and Health, From Chernobyl to Fukushima – is there a future in nuclear? 28 April 2011

Redenbach M. Health and Wind Power. Wind Power, Risks and Opportunities for the Macedon Ranges, Gisborne, 23 June 2011

Redenbach M. Coal Seam Gas and Health, DEA student's Code Green Week, 8 August 2011

Redenbach M. Impacts of Coal Related Pollution on Children's Health and Development, Anglesea Air Action public forum 11 September 2011

Redmond H. Human Health Impacts of Open-Cut Coal Mining & Coal Seam Gas Mining, NSW Teacher's Federation - an experts forum 9 March 2011

Redmond H. Health Impacts of Coal Seam Gas Drilling, Campbelltown Community Forum, 25 June 2011

Redmond H. Health Impacts of Coal Seam Gas Drilling, Town Hall Meeting, Leichhardt NSW 1 August 2011

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Tait P. New Conundra in Public Health: people, population and the problem of too much greenhouse gasses, seminar, Alice Springs Hospital, 25 February 2011

Tait P. Climate Change Health Effects, Professional Development seminar, Central Australian Aboriginal Congress, 23 March 2011

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Tait P, Global Warming: context and health impacts, Centre for Remote Health Seminar Series 2011, 9 June 2011 http://www.crh.org.au/images/stories/seminars/pt_slides.pdf

Ticehurst B, Ecohealth, Global Health Study Program, School of Medicine, University of Notre Dame Australia, 3 March 2011

Ticehurst B, Climate Change and Human Health, GlobalHOME group, School of Medicine, University of Sydney, 31 May 2011

Ticehurst B, Climate Change, Health & the Torres Strait, Global Health Conference, University of NSW, 30 June 2011

Ticehurst B, Human Health & the Environment, Grand Round, School of Medicine, University of NSW, 3 August 2011

Weber I. Climate Change and Health, Code Green Week, Flinders University, 3 August 2011

Williams D. Greening our City, Melbourne Conversations, Melbourne Town Hall, 28 July 2011

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Media, Press, Interviews

Crisp G. Interview, Radio 2CC, Canberra

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Redmond H. Interview, ABC Radio, Country Hour Qld, March 2011

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Redmond H. Interview, ABC Radio, Woolongong August 2011

Redmond H. Reportage, ABC Radio, NSW, August 2011

Shearman D. Interview, ABC Radio, Illawarra, March 2011

Shearman D. Interview, ABC Radio, Adelaide, June 2011

Shearman D. Interview, ABC Radio, Newcastle, September 2011

Shearman D. Interview, with Cath Landers NBNTV

Williams D. Wind farms healthier than Coal, letter- Ballarat Courier and Hepburn Advocate, August/September 2011

Williams D. The Carbon Tax is a Health Measure, letter to The Age, 30 June 2011

<http://www.theage.com.au/national/letters/the-carbon-tax-is-a-health-measure-20110629-1gqvw.html>

Williams D. Transport Health Directory Linked, letter to The Age, 22 August 2011

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Speech to NSW parliament by Jamie Parker MP (Member for Balmain)

http://www.parliament.nsw.gov.au/prod/parliament/hansart.nsf/V3Key/LA20110811040?open&refNavID=HA8_1

Australian doctors have joined entrepreneur Dick Smith's fight against population growth with a new health campaign targeting general practitioners and their patients.

<http://www.theage.com.au/national/doctors-in-population-push-20110207-1ak63.html>

<http://www.watoday.com.au/national/doctors-in-population-push-20110207-1ak63.html>

About 24,000 GPs will receive an "Advancing Australia Fairly" poster as part of a medical community campaign launched today to stress the harm caused by rapid population growth.

<http://www.canberratimes.com.au/news/local/news/general/gps-poster-campaign-highlights-ills-of-rapid-population-growth/2069278.aspx>