

# THE CLIMATE, ENERGY AND WATER NEXUS FORUM

Thursday 2 December 2010

Acton Theatre, J G Crawford Building 132, Lennox Crossing, ANU

9.00 – 9.30

**Registration**

**CHAIR**

**Professor Andrew MacIntyre**, *Dean, ANU College of Asia and Pacific & International Academic Advisory Committee, US Studies Centre*

9.30 – 9.35

**Welcome**

**Professor Ian Chubb AC** *Vice Chancellor, ANU*

9.35 – 9.40

**Introduction**

**Professor Geoffrey Garrett**, *CEO, US Studies Centre*

9.40 – 9.55

**Opening Speech**

**Minister (TBC)**

9.55 – 10.05

**Launch of the Australia – US Climate, Energy and Water Nexus Project**

**Adjunct Professor Robert Hill**, *US Studies Centre*

10.05 – 10.30

**Key note presentation: Lessons in managing energy and water from Europe and Australia**

**Dr Karen Hussey**, *Crawford School of Economics and Government, ANU*

10.30 – 11.00

**Morning Tea**

11.00 – 12.35

**New energy sources – new challenges**

**CHAIR**

**Professor Will Steffen**, *Director, Climate Change Institute, ANU and Ecology & Society board member*

11.00 – 11.20

**Case Study 1: Reoperating hydropower**

**Mr John Seebach**, *American Rivers USA (videoconference)*

11.20 – 11.40

**Case Study 2: Aquifer thermal energy storage**

**Mr Koen Zuurbier**, *KWR Watercycle Research Institute, Netherlands*

11.40 – 12.00

**Case Study 3: Solar thermal power and water**

**Professor Robert Glennon**, *University of Arizona, USA (videoconference)*

12.00 – 12.15

**Launch of the *Ecology & Society* energy and water special edition**

**Professor Will Steffen and Dr Karen Hussey**

12.15 – 12.35

**Panel discussion**

12.35 – 13.30

**Lunch**

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13.30 - 14.30

**Biofuels and water**

**CHAIR**

**Professor Quentin Grafton**, *Co-chair, Water Initiative and Crawford School, ANU*

13.30 - 13.45

**Case Study 4: Biofuels in Italy**

**Dr Anna Dellamarta**, *University of Florence, Italy*

13.45 - 14.00

**Case Study 5: Biofuels**

**Ms Naomi Pena**, *Joanneum Research, Austria*

14.00 - 14.30

**Panel discussion**

14.30 - 15.00

**Afternoon Tea**

15.00 - 16.30

**Carbon sequestration in the landscape**

**CHAIR**

**Professor Quentin Grafton**

15.00 - 15.15

**Case Study 6: Reforestation**

**Dr Albert van Dijk**, *CSIRO Land and Water, Australia*

15.15 - 15.30

**Case Study 7: Biochar**

**ANU researchers**, *Australia (TBC)*

15.30 - 15.45

**Case Study 8: Soil carbon**

**Associate Professor Peter E. Holm**, *University of Copenhagen, Denmark*

15.45 - 16.30

**Discussion**

**Mr Koen Zuurbier**, *KWR Watercycle Research Institute, Netherlands*

16.30 - 16.45

**Rapporteur's summary**

**Professor Quentin Grafton**

18.30 - 19.00

**Drinks**

19.00

**Forum dinner**

**Hosted by Professor Andrew McIntyre**

# THE CLIMATE, ENERGY AND WATER NEXUS FORUM

Friday 3 December 2010

Acton Theatre, J G Crawford Building 132, Lennox Crossing, ANU

8.45 - 12.00

**Making the trade-offs**

**CHAIR**

**Dr Richard Davis**, *National Water Commission, Australia*

8.45 - 9.00

**Review**

9.00 - 9.15

**Case Study 9: Trade-offs between reticulating water and greenhouse gas emissions**

**Professor Angus Simpson**, *University of Adelaide, Australia*

9.15 - 9.30

**Case Study 10: Water and energy policy in Texas**

**Ms Ashlynn Stillwell**, *University of Texas at Austin, USA*

9.30 - 9.45

**Case Study 11: Water and energy in Australia**

**Dr Barry Newell**, *ANU, Australia*

9.45 - 10.15

**Discussion**

10.15 - 10.45

**Morning Tea**

10.45 - 11.00

**Case Study 12: The energy-water nexus in Australia**

**Mr Alan Smart**, *ACIL Tasman* and **Mr Adam Aspinall**, *Evans & Peck, Australia*

11.00 - 11.15

**Case Study 13: Integrating national policies**

**Mr Jamie Pittock**, *Crawford School*

11.15 - 12.00

**Discussion**

12.00 - 13.00

**Lunch**

13.00 - 14.20

**Perspectives from key sectors**

**CHAIR**

**Adjunct Professor Robert Hill**

13.00 - 13.20

**Mr James Cameron**, *Chief Executive Officer, National Water Commission, Australia*

13.20 - 13.40

**Energy sector (TBC)**

13.40 - 14.20

**Discussion**

14.20 - 14.40

**Rapporteur's report**

**Professor Stephen Dovers**, *Director, Fenner School of Environment & Society, ANU*

14:40 - 15:00

**Next steps**

**Adjunct Professor Robert Hill**

15:00

**Close**