



PREMIER'S SCIENCE AND RESEARCH FUND

CLIMATE CHANGE, COMMUNITIES AND ENVIRONMENT

(3CE)

OUTPUTS

(<http://www.adelaide.edu.au/environment/lfp/research/psrf.html>)

Published papers

Bryan, B.A., Crossman, N.D., King, D. and Meyer, W.S. (2011). Landscape futures analysis: assessing the impacts of environmental targets under alternative spatial policy options and scenarios. *Environmental Modelling and Software* 26(1), pp. 83-91.

Papers submitted

Briere, M., and Meyer, Wayne S. (2011). Contrasting farms are carbon accumulating. Submitted 30May2011 *Agricultural Science*, AIAST.

Crossman, N.D. Summers, D.M. and Bryan, B. (2010) Opportunities and threats for South Australian agricultural landscapes from reforestation under a carbon market. CSIRO client report.

Kellett, B.M. and Meyer, W.S. (2011). A prosperous horticultural region changing in response to drought and commodity prices: limits to irrigated landscape change.

Parrott, L., and Meyer, W.S. (2011). Future landscapes: managing within complexity. Submitted 29March2011. *Frontiers in Ecology and the Environment*.

Summers, D.M., Bryan, B.A. and Crossman, N.D. (2011). Prioritizing conservation actions to mitigate species vulnerability to climate change.

David M. Summers, Brett A. Bryan, Neville D. Crossman (2011). Reserve selection to mitigate species vulnerability under climate change.

Lyle, G. (2011). Place and nested scales: A review of potential indicators of climate change adaptation ability in Australian agriculture.

Kellett, B.M., Banerjee, O., Kuehne, G., Connor, J. and Meyer, W.S. (2011). Rigidity, connectivity and costly responses: A horticultural region focussing on adaptation yet facing transformation.

Meyer, W.S., Bryan, B., Fisher, A., Crossman, N.D. and Lewis, M. (2011). Applying landscape science to Natural Resource Management.

Reports

Summers, David and Lyle, Greg. (2010). South Australian Murray Darling Basin NRM Region Datasets. University of Adelaide, Environment Institute, Landscape Futures Program. 16 pp

Lyle, Greg. (2010). Eyre Peninsula Spatial Datasets. University of Adelaide, Environment Institute, Landscape Futures Program. 33 pp

Lyle, G. (March 2011) Eyre Peninsula Climate Regionalisation. University of Adelaide, Environment Institute, Landscape Futures Program. 32 pp

Summers, D., Siebentritt, M. and Meyer, W.S. (2011). The Environment Institute, University of Adelaide. Strengthening Basin Communities Program Planning component consultancy SBC 033A.1/2 Climate Change Impact Assessment Report. (In preparation)

Hayman Peter, Thomas Dane, Alexander Bronya, and Nidumolu Uday. (22 November 2010) Climate Change Scenarios Information. MILESTONE 2 REPORT. SARDI Climate Applications. The Environment Institute, University of Adelaide. 39pp

Kellett, B., Summers, D., Barnett, K., Siebentritt, M., Meyer, W., Spoehr, J. (2010). Adaptation and emerging opportunities for the SA Murray-Darling region. Milestone 2 Report. The Environment Institute, The University of Adelaide. 44pp

Siebentritt, M.A. and Sharley, T. (2010). Outcomes of Stakeholder Engagement. Milestone 2 Report. The Environment Institute, The University of Adelaide. 59pp

EP Program Logic

Schapel Lucy (2010) Climate Change, Communities and Environment Research Project (Eyre Peninsula NRM Region) Plan for Outcomes and Key Actions Report from Rural Solutions. 26pp

SA MDB Program Logic

Schapel Lucy (2010) Climate Change, Communities and Environment (SA Murray-Darling Basin) Planning for Outcomes – short term and long term. Report from Rural Solutions. 24pp

Loxton-Bookpurnong LAP

“Developing Landholder Capacity to adapt to Climate Risks and Variable Resource Availability in the Murtho, Pike, Bookpurnong and Pyap to Kingston-on-Murray Regions of the Riverland South Australia”, abbreviated as the “MDB LAP” project and

The “MDP LAP” project primarily involves the University and CSIRO partners and is directed at helping irrigators in the Loxton region understand the variability in water resource and crop response to possible climate change and to explore options for managing with these changes.

Kellett, Bart M. (May 2010). Options for farmers to adapt to change in the Riverland of South Australia . EXECUTIVE SUMMARY REPORT. University of Adelaide, Environment Institute, Landscape Futures Program. 11pp

Kellett , Bart M. and Banerjee, Onil (2010) Reconfiguration scenarios and data needs . Executive Summary Report. University of Adelaide, Environment Institute, Landscape Futures Program. 11pp

Presentations

An important development activity for the project was the convening of the Place and Purpose Symposium as part of the Surveying and Spatial Science Institutes biennial conference held in Adelaide in October 2009. The partners in this project, through the Landscape Science Cluster organised the Symposium at which three papers highlighting the foundational concepts and work were presented to a national audience. Podcasts of some of the key papers can be downloaded at [<http://www.adelaide.edu.au/environment/lfp/news/2009/pandp/run.html>]

Two inaugural meetings have been run, one on each of the two regions (Eyre Pen. on 24 Nov 2009 and SA MDB on 26 Nov 2009).

Contributions to these meetings are available on the Landscape Science Cluster web site – EP[<http://landscapescience.org/index.php?id=38>] and SA MDB [<http://landscapescience.org/index.php?id=39>]

Workshops

Climate Change, Communities and Environment (3CE). PSRF Project
Project Establishment Workshop. Eyre Peninsula NRM region. Tuesday 24 November 2009.

Climate Change, Communities and Environment (3CE). PSRF Project
Project Establishment Workshop. SA MDB NRM region. Thursday 26 November 2009

Transformational change of regional landscapes: Navigating planetary limits and resource constraints over the next five decades. ACEAS workshop Byron Bay NSW. 7 – 11 November 2011

Brochures and articles

Meyer, Wayne S. (2009). Climate Change, Communities and Environment: Building research capability to identify climate change vulnerability and adaptation options for South Australian landscapes. PREMIER'S SCIENCE AND RESEARCH FUND 2009. 1pp

Project Launch – available on pod cast
<http://www.adelaide.edu.au/environment/lfp/news/2009/psrf-launch.html>

Kellett, Bart M. and Meyer, Wayne S. (2010) Lower Murray Landscape Futures Project (www.landscapefutures.com.au) KEY MESSAGES. University of Adelaide, Environment Institute, Landscape Futures Program. 2pp.

Wahlquist, A. (2011) Agricultural landscapes for a changing environment. Submitted to ECOS

Meyer, Wayne S. and Bryan, Brett. (2011). Productive and healthy landscapes for a changing environment. Submitted to SA NRM Newsletter

Annual Reports

Meyer, Wayne S. (2010) Building research capability to identify climate change vulnerability and adaptation options for South Australian landscapes. Year 1 Report. University of Adelaide, Environment Institute, Landscape Futures Program. 7pp.

Meyer, Wayne S. (2010) Building research capability to identify climate change vulnerability and adaptation options for South Australian landscapes. Year 2 Report. University of Adelaide, Environment Institute, Landscape Futures Program. 10pp.