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SUSTAINABLE DEVELOPMENT IN RESOURCE-INTENSIVE REGIONS



Professor Jennelle Kyd
CQUniversity



Professor Stephen Webb
University of Newcastle



Dr Ken King
Gladstone Economic and
Industry Development Board



Professor John Rolfe
CQUniversity



Dr Anna Thomas
CQUniversity

SUSTAINABLE DEVELOPMENT IN RESOURCE-INTENSIVE REGIONS

*Exploring Economic Opportunities and their Social Impact in Regional
Australia*

Presented in partnership with The University of Newcastle and CQUniversity



Tuesday June 28, 2011 | CQUniversity, Gladstone Campus | 9.00am – 5.00pm



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SUSTAINABLE DEVELOPMENT IN RESOURCE-INTENSIVE REGIONS

Conference Details

The resource sector is Australia's largest single export sector comprising in excess of eight per cent of Australia's GDP. It represents nearly one-quarter of private new capital expenditure and is expected to grow strongly over the next decade. With an expected \$50 billion of expenditure expected in this timeframe for Gladstone-focused projects, the region is looking forward to a decade of unprecedented growth and economic development. The region is on the pathway to becoming the growth centre of Australia's Eastern seaboard.

This growth brings substantial benefits together with the challenges of managing the provision of economic infrastructure and its community impact. Industry, government and the community have specific roles and responsibilities. The symposium will allow industry and community leaders to explore assertive and effective resource development as a pathway to create and strengthen economic development for the Gladstone region and more broadly for other resource-intensive regions in Australia

This Conference, part of our National Series, will provide an opportunity for industry leaders and academics to discuss the resource sector. It will facilitate in-depth critical analysis, debate and reflections on areas such as sustainable development, social impact of mining and societal values, power and influence, and internal labour markets and job retention.

- Dr Glen Corder; Principal Research Fellow, Centre for Social Responsibility in Mining, University of Queensland
- Dr Ken King; CEO, Gladstone Economic and Industry Development Board
- Professor Jennelle Kyd; Pro Vice-Chancellor (Academic & Research), CQUniversity
- Graham Lucas; University of Newcastle
- Professor Ciaran O'Faircheallaigh; Department of Politics and Public Policy, Griffith University
- Professor John Rolfe; Professor in Regional Development Economics, Director for Environmental Management, CQUniversity
- Mr Glenn Schumacher; General Manager, NRG Gladstone Operations; Chairman, Gladstone Industry Leadership Group
- Dr Anna Thomas; Director Institute for Resource Industries and Sustainability, CQUniversity
- Professor Stephen Webb; Professor for Human Sciences, Research Institute for Social Inclusion and Wellbeing, University of Newcastle
- Liam Tobin; Director of Sustainable Development and Operations, QER Australia

Why Attend:

- Develop a better understanding of current approaches to evaluating the social impact of mining in regional communities
- Hear from leading researchers
- Be introduced to useful tools in assessing social impact of mining

Intended Audience:

Private industry; mining companies with an interest in corporate responsibility and resource economics; Minerals Council of Australia; resources sector representatives; union representatives; academics and researchers focused on the social impacts of mining and resource economics to quantify the strengths and weaknesses of the mining industry.

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Conference Program

9.00 Registration and welcome coffee

SUSTAINABLE DEVELOPMENT

9.20 Opening remarks from Eidos Institute **Samantha Dean, Eidos Institute Director of Communications**

9.30 **Planning for Sustainable Economic Development** Three decades plus of planned growth and development in Gladstone. **Dr Ken King**

10.00 **Creating a knowledge-based economy in Central Queensland for sustainable 'post-resource' future** - Being extremely rich with mineral resources, Central Queensland has been enjoying a decade of fast economic growth driven by the demand for resources from India and China. However, the availability of vast resources, while being a blessing for the region, has also been an impediment to diversification of the regional economy mostly driven by cycles of commodity markets. Furthermore, natural resources are not renewable and, once extracted, their value is lost to the region. The presentation is exploring opportunities and strategies for building a knowledge-based economy in Central Queensland regions to ensure 'post-resource' growth and sustainability. **Dr Anna Thomas**

10.30 **Delivering better sustainable development outcomes in resource-intensive regions** - Improving resource utilisation, reducing environmental impacts and enhancing social capital satisfy the aims of sustainable development and can deliver significant benefits to resource-intensive regions. However, operating companies and government agencies can find it challenging to identify opportunities to achieve these aims without the aid of a structured mechanism that is part of their normal business practices. This presentation will outline how a collaborative industry and research outcome, SUSOP(r), can help better identify and assess the benefits for implementing initiatives that can improve the contribution to the sustainable development of a region. **Dr Glen Corder**

11.00 **The Economics and Impacts of Resource Developments** – This presentation will outline where the economic benefits of resource activities and developments in Queensland flow to, and how much of an impact there is in local communities. Comparisons of wealth generation between agriculture and mining activities will be drawn for both the coal and gas industries. These two areas of analysis will then underpin some discussion about current public debates around resource development issues in the Bowen and Surat basins. **Professor John Rolfe**

11.30 Short Discussion

12.00 Lunch

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| 1.00 | Contributing to Regional Development through Education and Research:
This paper will explore the evidence for the value to the region and contribution to development that is afforded through the presence of tertiary education and research expertise available locally. It will look at both direct and indirect benefits and value proposition, including economic, professional, social and cultural opportunities. Evidence from the recent Grattan report will be considered along with other reports and demographic trends that might inform and contribute to regional development and sustainability. | Professor Jennelle Kyd |
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SOCIAL IMPACT OF MINING

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| 1.30 | The Social Negotiation of Mining – The social dimension of mining is becoming increasingly important for local communities, multinational mining corporations and government agencies alike. Indeed, there is evidence and growing support for the view that societal pressure can act as a social licence which induces 'beyond compliance' behaviour. This paper will examine several aspects relating to the social dimension of mining, including, social wellbeing, cumulative impacts and protest resistance and mobilization. It concludes with some recommendations about how to build sustainable mining communities. | Professor Stephen Webb |
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| 2.00 | Business Government and Society: Relations on the Rocks?
The state, business and society may be seen as an actor network. There is a web of relations between people, things and other 'stuff' that hold it all in place. Actor Network Theory (ANT) is a useful tool to help describe and explain those relations. This paper attempts to take an ANT look at where minerals and mining might fit in the neo liberal ideology of the market and also discusses the implications of GFC and climate change to the overall actor network. | Graham Lucas |
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| 2.30 | Shaping the cultural and social Impacts of 'mega-projects' on Indigenous people: the proposed Broome LNG Precinct: Large resource projects create both substantial risks and opportunities for affected Indigenous communities. Given existing social and economic disadvantage, there is a risk that these projects will 'pass them by', with employment and other opportunities flowing to non-Indigenous people, often from outside the region. In addition, a large influx of people combined with the direct impacts of development can create significant social problems. On the other hand the scale of opportunities associated with large projects means that, if Indigenous people can take advantage of them, they can contribute substantially to social and economic development. | Professor Ciaran O'Faircheallaigh |
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| 3.00 | Sustainable communities | Glenn Schumacher |
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3.30	<p>Social License and Sustainable Development: QERs perspective</p> <p>QER is a private company developing shale oil and gas tenements in Central Queensland. It straddles the mining and petroleum industries. The Shale to Liquid Fuels sector could become a very important economic and national security issue but it requires a social license (from community and government) which depends on QER’s ability to explain the need, potential impacts but mostly the value that they can add to the regional and wider communities. Previous attempts to establish this industry have created negative legacies that need to be dealt with before consideration of these enterprises can be undertaken by the community.</p>	Liam Tobin
4.00	Close and Networking Drinks	

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Dr Glen Corder; University of Queensland

Glen is a Principal Research Fellow at CSRM and has over 20 years' experience in the resources industries. Since joining CSRM in 2004, his research interests have been in the area of responsible resource use and processing. Glen has been lead researcher of a multi-year project involving several research institutions and industry partners that resulted in the development of SUSOP®, a holistic, systematic and rigorous set of processes for incorporating sustainable development principles into the design and operation of industrial processing plants. SUSOP® is now being commercialised through SUSOP Pty Ltd, a wholly owned subsidiary of JKTech Pty Ltd, the technology transfer company for the SMI. In April 2011, Glen commenced a 75% position with SUSOP Pty Ltd as Development Manager and a continuing 25% position with CSRM.

Glen is a chemical engineer and was awarded his Bachelor of Engineering degree (Chemical – First Class Honours) in 1982 and his Master of Engineering Science degree in 1985, both from the University of Queensland. In 1988, he completed a Doctor of Philosophy degree from the University of Cambridge.

Dr Ken King; Gladstone Economic and Industry Development Board

Dr King has extensive public and private sector experience in business and industry; education and training; economic regional development; investment attraction; project facilitation; marketing and communications; and international business development.

In Australia Dr King has worked as a regional development practitioner in New South Wales, Queensland and South Australia as well as fulfilling roles in the UK, South America, South East Asia and New Zealand.

Dr King's work for the Queensland Government over a period of some 19 years has included strategy and policy advice; leadership of regional service delivery centres in Cairns, Gladstone and the Sunshine Coast; structural adjustment reform for the Queensland timber industry; investment attraction and large scale industry development in the Gladstone Region; and more broadly the provision of support for Queensland exporters.

Dr King holds qualifications in mechanical engineering and teaching in further and higher education and has been a Queensland Government appointee to the CQUniversity Council (2004-2007) and the Sunshine Coast Institute of TAFE (1992-1995). Dr King is a current Advisory Board member of the Bond University Centre for Applied Research in Learning, Engagement, Andragogy and Pedagogy; CQUniversity Gladstone Regional Engagement Committee; and CQUniversity Centre for Environmental Management Advisory Board. Dr King is a fellow of the Australian Institute of Management.

Professor Jennelle Kyd; CQUniversity

Professor Jennelle Kyd is the Deputy Vice-Chancellor (Academic & Research) of CQUniversity. She drives the CQUniversity's research agenda and has relevant links with community, government and industry partners and stakeholders. Professor Kyd has research interests in middle ear and respiratory infections and currently holds NH&MRC and ARC grants that support her research at CQUniversity. Professor Kyd is a leader in an international group that is working with the pharmaceutical industry and key international researchers to achieve a vaccine for the prevention of bacterial middle ear infection in children. She is an inventor of commercially valuable intellectual property of vaccine components for *Haemophilus influenzae*, *Moraxella catarrhalis* and *Pseudomonas aeruginosa*.

Professor Kyd previously held the position of Professor of Forensic Science and Head of the National Centre for Forensic Studies at the University of Canberra. She has a PhD conferred by the University of Newcastle and a significant research portfolio in the areas of biotechnology, immunology and medical microbiology with an emphasis on vaccine development for the prevention of middle ear and respiratory infections. Professor Kyd has an extensive and diverse network of contacts with government and industry through her many review, advisory and consultative positions.

Graham Lucas; University of Newcastle

Graham Lucas is a Senior Manager with 35 years experience in the electricity transmission and distribution industry and has tertiary qualifications in engineering, business, management and organizational theory. For 10 years Graham managed the community consultation strategies and processes for major electrical infrastructure projects across the Hunter and Central Coast. His personal 'front line' consultation experience includes close engagement with key stakeholders across industry, local councils, State Government departments and agencies, community interest groups, protest groups and the general public. He also has a background in environmental assessment and approvals as well as extensive practical public relations and media experience. Graham now pursues his keen interest in socio-technical relationships, Actor Network Theory (ANT) and 'the science of doing science' as a PhD candidate with the University of Newcastle Australia and is a researcher/consultant with the University's NSW Clean Coal Technologies social research team.

Ciaran O'Faircheallaigh, Griffith University

Ciaran O'Faircheallaigh is Professor of Politics and Public Policy at Griffith University, Brisbane. His research focuses on the inter-relationship between Indigenous people and large-scale resource development, and he has a particular interest in social impact assessment and in negotiation of Indigenous – mining company agreements. He has recently coordinated on behalf of the Kimberley Land Council a 6-volume

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Indigenous Impacts Report on the proposed LNG Precinct north of Broome.

Professor John Rolfe; CQUniversity

John Rolfe is a resource economist who is Professor in the Faculty of Arts, Business, Informatics and Education of the CQUniversity at Rockhampton. He is also the Director of the Centre for Environmental Management at the University. John has a number of research interests, but specialises in non-market valuation, regional development, environmental, resource and agricultural economic issues, and economic impact assessment in regional areas. He has 85 refereed publications in the form of journal articles, book chapters, book reviews and conference papers, and a further 200 non-refereed journal articles, conference papers and research reports. John has led a number of major research projects (> 30) over the past 10 years for a total funding value of more than \$3.2M. He has a background in agriculture and operated a cattle property in the CQUniversity region for a number of years.

Professor Stephen Webb; University of Newcastle

In 2008 Stephen Webb was appointed from the University of Sussex, UK to the University of Newcastle. He is Professor of Human Sciences and Director of the newly established Research Institute for Social Inclusion and Wellbeing (RISIW). Professor Webb is one of the worlds leading international researchers in the field of human services, Social Policy and is a pioneer of evidence-based practice research. His influential international research and publications since the late 1980s have significantly enriched the field of human services research by bringing innovative theoretical and methodological perspectives to the evaluation of social interventions and professional practice. His 2006 book *Social Work in a Risk Society* is widely acclaimed by international reviewers as demonstrating advanced scholarship and integrating sociological analysis to construct new conceptual and methodological frameworks in social work.

Glen Schumacher; General Manager, Director and Australian Public Officer of NRG Gladstone Operating Services Pty Ltd.

Glenn Schumacher, BEng(Mech) *UTS*, GradCertHRM *USQ*, MEng(PwrGen) *Qld*, MBA *Deakin*, FIEA, NPER3, MCME is currently the General Manager, Director and Australian Public Officer of NRG Gladstone Operating Services Pty Ltd. In this role, Glenn is responsible for the overall management and leadership of the Gladstone Power Station. He is also responsible for representing NRG and the Gladstone Power Station in the Gladstone and wider communities. Prior to joining NRG, Glenn held a number of positions in the electricity generation industry and other heavy manufacturing industries, including at the Tarong Energy Corporation; the Hazelwood Power Station; the SILCAR Yallourn Power Station and Australian Defence Industries Ltd.

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