Revitalising grasslands to sustain our communities

22nd International Grassland Congress
Sydney | 15-19 September 2013

Sydney Convention and Exhibition Centre
New South Wales - Australia

Earlybird registration: by 31 May 2013
Standard registration by: by 15 August 2013
Accommodation booking: by 29 July 2013

Register online at: www.igc2013.com
You are kindly invited to join colleagues from all over the world at the 22nd International Grassland Congress, being held Sunday 15 September to Thursday 19 September 2013.

The overall congress theme is *revitalising grasslands to sustain our communities*.

The program will explore the current issues facing grasslands around the world and share the latest industry developments and solutions.

The proposed congress program will be delivered in three main streams:
1. Improving production efficiency to revitalise grasslands
2. Improving grassland environment and resources
3. Grassland people, rights, policies, practices and processes

The congress aims to present a program which is participative, innovative, stimulating, thought-provoking and enriching by offering networking and learning opportunities to new and experienced, grassland scientists, extension workers, postgraduate students and some undergraduate students, agri-business professionals, policy makers and leading livestock producers and farmers from all over the world.

The outstanding program and attractive destination of Sydney will ensure the congress is popular and will attract over 1000 delegates.

On behalf of the Australian Organising Committee of the 22nd International Grassland Congress, I extend to you a warm welcome and I look forward to seeing you in Sydney in September 2013.

Professor David Kemp
Congress Chair

Organising committee and stakeholders

The organisational arrangements for the IGC are in the hands of an Australian Organising Committee. There is also an International Continuing Committee which manages the affairs of the IGC between congresses.

**Australian Organising Committee**
Professor David Kemp, Chair (Charles Sturt University, Orange NSW)
Dr Warwick Badgery (NSW Department of Primary Industries, Orange NSW)
Dr Karl Behrendt (Charles Sturt University, Orange NSW)
Professor Bill Bellotti (University of Western Sydney)
Dr Bob Clements (Canberra ACT)
Dr Hugh Dove (CSIRO, Canberra ACT)
Dr David Michalk (NSW Department of Primary Industries, Orange NSW)
Dr Alison Southwell (Charles Sturt University, Wagga Wagga NSW)
Dr Ted Wolfe (Charles Sturt University, Wagga Wagga NSW)

**International Continuing Committee**
Professor Guy Allard (Université Laval, Canada)
Dr Maria Felicia Diaz Lanchez (Instituto de Ciencia Animal, Cuba)
Dr Rita de Cassia Ribeiro Carvalho (Universidade Federal de Lavras, Brazil)
Dr Sujatha Premaratne (University of Peradeniya, Sri Lanka)
Professor David Kemp (Charles Sturt University, Australia)
Professor Zhibiao Nan (Lanzhou University, China)
Dr Hossein Barani (Gorgan University of Agricultural Science and Natural Resources, Iran)
Dr Claudio Porqueddu (CNR-ISPAAM, Italy)
Professor Johannes Isselstein (University of Goettingen, Germany)
Professor Piotr Golinski (Poznan University of Life Sciences, Poland)
Dr David Miano Mwangi (Kenya Agricultural Research Institute, Kenya)
Professor Yun Jinfeng (Inner Mongolia Agricultural University, China)
About the International Grassland Congress

Permanent website: www.internationalgrasslands.org
IGC2013 website: www.igc2013.com

The International Grassland Congress promotes interchange of information on all aspects of natural and cultivated grasslands and forage crops for the benefit of mankind, including sustained development, food production and the maintenance of biodiversity. It is the major international forum for scientists involved in grassland and livestock R&D and for people managing one of the world’s largest natural resources.

Grasslands (grazing lands) cover 25% of the earth’s land surface (40% if Antarctica and Greenland are not included) and are the basis for the production of food and fibre from grazing animals, the health and survival of many types of wildlife, the economic well-being of rural communities, and a range of environmental services (carbon sequestration, water supply, biodiversity conservation) that depend upon grassland ecosystems. Grasslands also contribute significantly to cropping systems, with a large part of crop yield directly dependent upon the benefits of the pasture phase in rotations.

Reasons to attend

> The International Grassland Congress is the major international forum for research, development and management in grassland systems. The congress promotes the exchange of information and ideas on three major grassland themes: improving production efficiency; enhancing grassland environments and resources; achieving change in accord with grassland people, rights, policies practices and processes.
> The outstanding program builds on the strong history of the congress. Interactive sessions will explore the current issues facing grasslands around the world, and share the latest industry developments and solutions.
> IGC2013 has a strong emphasis on youth, recognising the need to empower and enthuse a new generation of pasture science professionals.
> Engage and interact with stimulating and inspiring speakers on all aspects of grasslands
> The concurrent sessions are innovative, stimulating and thought provoking, with information relevant to your own circumstances.
> Meet more colleagues in four days than you could in a year and all in the one place! You will have ample opportunity to revitalise existing networks and establish new ones throughout the 4-day program of keynote papers, formal sessions and social events.
> Enjoy tours to unique Australian grassland environments, from the tropics to the roaring forties.
The International Grassland Congress 2013 gratefully acknowledges its sponsors and supporters.

**Platinum sponsors:**

![Australian Government](image1)

![The AW Howard Memorial Trust Inc.](image2)

![NSW Government Department of Primary Industries](image3)

**Gold sponsors:**

![CSIRO](image4)

![Future Farm Industries CRC](image5)

**Silver sponsors:**

![PGG Wrightson Seeds](image6)

![Australian Wheat Innovation](image7)

![AWI Australia](image8)

![Dairy Australia](image9)

![AusAID Australian Government](image10)

![Charles Sturt University](image11)

![MLA Meat & Livestock Australia](image12)

**Bronze sponsors:**

![Tropical Grassland Society of Australia Inc.](image13)

![The Samuel Roberts Noble Foundation](image14)

![Global Development Group](image15)

**Grasslands Youth Futures sponsor:**

![The Crawford Fund](image16)

**Other supporters:**

![Harry Stobbs Memorial Fund](image17)

![The Stapledon Memorial Trust](image18)

![The University of Western Australia](image19)
Plenary session 1: Feeding the world in 2050: managing the challenges and creating opportunities for food, fibre, fuel and medicine products

Lead speaker: **Dr Jimmy Smith**
Position/organisation: Director General, International Livestock Research Institute (ILRI) - Kenya

Profile: Jimmy SMITH was appointed Director General of the International Livestock Research Institute (ILRI) in October 2011. He was born in Guyana, in the Caribbean, where he was raised on a small mixed crop-and-livestock farm. Smith holds dual nationalities with Canada. He is a graduate of the University of Illinois, at Urban-Champaign, USA, where he completed his PhD in animal sciences. Before Joining ILRI, he spent five years at the World Bank in Washington, DC leading the Global Livestock Portfolio. Smith also held senior positions at the Canadian International Development Agency (CIDA) (2001-2006) and the Caribbean Agricultural Research and Development Institute (CARDI) (1986–1991). Earlier in his career, Smith served for ten years at ILRI and its predecessor, the International Livestock Centre for Africa (ILCA) (1991–2001). ILRI Board Chair Knut Hove said: ‘Jimmy Smith has an impeccable track record in developing extensive networks in the livestock sector globally and with development partners around the world especially sponsor pro-poor livestock research. He is familiar with the CGIAR reform process and the international agricultural research agenda.”

Plenary session 2: Managing grassland systems in a changing climate: the search for practical solutions

Lead speaker: **Jean-François Soussana**
Position/organisation: Director; INRA, French National Institute for Agronomic Research, Paris, France

Profile: Professor Jean-François SOUSSANA is Scientific Director (Environment), French National Institute for Agronomic Research (INRA). Since 1998, Dr. Soussana is member of the Working Group II of IPCC on Impacts and Adaptation and Vulnerability and contributes to the fifth assessment report. He was Lead Author of the Third, and Fourth Assessment Reports and shared the Nobel Prize for Peace in 2007. He has coordinated the ‘GreenGrass’ (FP5) project on greenhouse gas emissions from European grasslands and leads the European project ‘AnimalChange’ on livestock and climate change which includes activities in several world regions. He has also contributed to the coordination of EC-FP6 and FP7 projects on the carbon and nitrogen cycles: CarboEurope, NitroEurope, CarboExtreme and GHGEurope. He leads the scientific committee “Ecosystems and Sustainable Development” of the French national research agency (ANR) and has coordinated a foresight study on adaptation to climate change for this agency. He also chairs the scientific advisory board of the European Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE JPI, 21 member states). Dr. Soussana has published over 120 refereed research papers in leading international journals (including Nature and PNAS) as well as two books and a dozen book chapters. He has developed novel experimental and mathematical modelling approaches to the impacts of climate change on agro-ecosystems and food supply and to the role of agricultural management and biodiversity for the carbon and nitrogen cycles and for greenhouse gas emissions.

Plenary session 3: Diversity, trends, challenges and opportunities in Australian grasslands

Lead speaker: **Dr Lindsay Bell**
Position/organisation: Research Scientist Farming Systems, CSIRO Toowoomba, Queensland

Profile: Dr Lindsay Bell is a farming systems research scientist for CSIRO and the Agricultural Productions Systems Research Unit in Toowoomba, Queensland. His main research focus is on the integration of crop and livestock production systems. Lindsay’s research interests have focussed on increasing the use of legume-based pastures in cropping systems in both south-western and subtropical Australia, developing the use of dual-purpose crops and improving the balance of feed supply and demand in livestock-forage system design in Australia and central China. Lindsay is also involved in the use and development of simulation and whole-farm bio-economic modelling to investigate both Australian and small-holder mixed crop-livestock farming systems.
Plenary session 4: New frontiers and perspectives in grassland technology

Lead speaker: Professor Jürgen Schellberg
Position/organisation: Associate Professor, Crop Science, Institute of Crop Science and Resource Conservation (INRES), Bonn University, Germany

Profile: Dr Jürgen Schellberg is Associate Professor and Senior Scientist in Crop Science, Institute of Crop Science and Resource Conservation (INRES), Bonn University, Germany. Jürgen Schellberg’s research interests include: (1) plant functional trait response to management in humid and semi-arid grasslands; (2) remote sensing of management effects on dynamics, heterogeneity and plant functional trait composition of grassland vegetation; (3) nutrient cycling on permanent grassland including stable isotopes of N, and; (4) resilience in social-ecological systems in South Africa’s savannahs.

Plenary session 5: Does intensification of grassland and forage use lead to efficient, profitable and sustainable ecosystems?

Lead speaker: Professor Oene Oenema
Position/organisation: Professor, Soil Fertility and Nutrient Management at Wageningen University, The Netherlands

Profile: Professor Oene Oenema’s research interests include: (1) soil fertility; (2) agriculture and environment; (3) greenhouse gases, and; (4) nutrient management. His work is related to different spatial scales, from field to farm, and regional and global levels. Most studies relate to European Union, China and Africa. He is chair of the Scientific Committee of the Nutrient Management Policy in The Netherlands and co-chair of the UN-ECE Task Force on Reactive Nitrogen.

Plenary session 6 & Howard Oration: Crop/pasture farming systems in Australia

Speaker: Professor Ted Wolfe
Position/Organisation: Emeritus Professor, EH Graham Centre for Agricultural Innovation—a collaborative alliance between CSU and NSW Department of Primary Industry at Wagga Wagga NSW

Profile: Professor Wolfe started his career in the 1960s as a teaching fellow with the University of Sydney, and later joined the NSW Department of Agriculture, first as a research agronomist and later as Director of Research at Wagga Wagga Agricultural Institute. In 1983 he took up the position of Regional Director of Research for the New England, Hunter and Metropolitan Region, based at Tamworth in northern NSW. In 1990 Professor Wolfe returned to Wagga Wagga as Professor of Agriculture and Head of the then School of Agriculture at the newly established Charles Sturt University (CSU). He continued as Professor of Agriculture at CSU until his retirement in 2001, and then in the honorary position of Emeritus Professor. His activities include voluntary roles as a professional and community advocate, writer and editor of agricultural science publications, guest University lecturer, organiser and host of agricultural student exchanges and international visitors to CSU, and as a consultant and trainer for rural programs in North Korea, Eritrea and Myanmar.

Plenary session 7: Drivers of change for grassland and forage systems

Lead speaker: Dr Fan Shenggen
Profile: Growing up in rural China in the 1960s and 1970s, Dr. Fan became deeply committed to reducing poverty and hunger. He is convinced that innovative, country-owned, country-led approaches are required to achieve ambitious development goals. Along those lines, he recently proposed a new “business-as-unusual” approach to ending hunger: (1) invest in two core pillars—agriculture and social protection, (2) bring in new players, (3) adopt a country-led, bottom-up approach, (4) design policies using evidence and experience, and (5) measure whether commitments have been fulfilled. Dr. Fan joined IFPRI in 1995 as a research fellow, conducting extensive research on pro-poor development strategies in Africa, Asia, and the Middle East. Dr. Fan led IFPRI’s program on public investment before becoming the director of the Institute’s Development Strategy and Governance Division in 2005. He received a PhD in applied economics from the University of Minnesota and bachelor’s and master’s degrees from Nanjing Agricultural University in China. Dr. Fan is a member of the World Economic Forum’s Global Agenda Council on Food Security, as well as an Executive Committee member of the International Association of Agricultural Economists. He currently serves on the editorial boards of Food Policy and the Journal of Chinese Rural Economy.
Plenary session 8:  
**International RD&E investment—revitalising the skill base in grassland research and practice**

Lead speaker: **Mr Ralph von Kaufmann**  
Position/organisation: UniBRAIN Facility Coordinator, Forum for Agricultural Research in Africa (FARA)

Profile: After graduating from Leeds University England, Ralph von Kaufmann returned to Kenya to conduct research into alternative forms of rangeland development at the Institute for Development Studies, University of Nairobi. He went on to become manager of the Ranch Division of the Agricultural Finance Corporation in Nairobi. He was then seconded, by the World Bank, to the Ministry of Agriculture in Botswana to lead the Project Preparation Team that developed Botswana’s Second Livestock development project. On the commencement of the project he was the founding manager of the Agricultural Credit Division of the Botswana National Development Bank. He then joined the CGIAR as the International Livestock Centre for Africa’s (ILCA) Country Representative in Botswana and then moved to Nigeria where he led ILCA’s Subhumid Zone Programme at Kaduna and he was also Coordinator of ILCA’s Animal Traction Thrust. He moved to Addis Ababa, Ethiopia as the Director of ILCA’s Donor and Board Secretariat. On the establishment of the International Livestock Research Institute (ILRI) he was appointed the Director for External Relations, first in Addis Ababa and then in Nairobi, Kenya. Since February 2003 he has worked for the Forum of Agricultural Research in Asia (FAFRA), first as Senior Resource Person and Chair of the Sub-Saharan Africa Challenge Programme Task Force and then as Director for Capacity Strengthening. Currently he is the Coordinator of the Universities, Business and Research in Agricultural Innovation (UniBRAIN) facility which is establishing agribusiness incubators and improving agribusiness teaching and learning at African universities. He is a member of the Advisory Committee on Science and Technology for African, Caribbean and Pacific (ACP) States; Executive Committee of the African Livestock Programme (Alive); and the Secretariat of the Coalition for African Rice Development (CARD).

Plenary session 9:  
**Australian grassland research at the crossroads**

Lead speaker: **Professor Alan Robson**  
Position/organisation: Emeritus Professor, Earth and Environment Faculty, the University of Western Australia

Profile: Prior to his appointment as Vice-Chancellor in 2004, Professor Alan Robson was Deputy Vice-Chancellor and Provost of The University of Western Australia from 1993. He has also held the positions of Foundation Director of the Cooperative Research Centre for Legumes in Mediterranean Agriculture (CLIMA), Dean of the Faculty of Agriculture, Head of the School of Agriculture and Professor of Agriculture (Soil Science) at The University of Western Australia. He is currently the Hackett Professor of Agriculture. Professor Robson was Chair of the Group of Eight (2007–2010), Deputy Chair of the Council of the National Library (1998-2005), Deputy Chair of Universities Australia (2009–2011), a member of the Western Australian Science Council (2003–2009), and the CSIRO Board (2003–2008). Professor Robson was Foundation Chair of the Grain Legumes Research Council, Deputy Chair of the Grain Legumes Reference Committee of the Australian Research Council and a Member of the Committee for University Training and Staff Development (1998–1999), the Australian Teaching and Learning Committee (2000–2004) and the Board of Directors of the Australian Universities Quality Agency. In 2001 Professor Robson chaired the Ministerial Taskforce on Structures, Services and Resources Supporting Government Schools. In 1989, Alan Robson was a member of a three person committee to review agricultural and related education in Australia. He has also been a member of review panels in Denmark, India and Canada. In 1987, Professor Robson was elected as a Fellow of the Australian Academy of Technological Sciences and Engineering. Subsequently he was awarded the Australian Medal of Agricultural Science. In 2003, Professor Robson was made a Member of the Order of Australia, and awarded a Centenary Medal. In 2009, Professor Robson was made a Citizen of Western Australia.
# Preliminary Program

**Sunday September 15, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-1700</td>
<td>Registration</td>
</tr>
<tr>
<td>1430-1600</td>
<td>Opening ceremony</td>
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<tr>
<td>1600-1800</td>
<td>Welcome reception</td>
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**Monday September 16, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>0700-0830</td>
<td>Breakfast meetings</td>
</tr>
<tr>
<td>0700-1700</td>
<td>Registration</td>
</tr>
<tr>
<td>0830-0930</td>
<td>Plenary 1: Feeding the world in 2050: managing the challenges and creating opportunities for food, fibre, fuel and medicine products</td>
</tr>
<tr>
<td>0930-1030</td>
<td>Plenary 2: Managing grassland systems in a changing climate: the search for practical solutions</td>
</tr>
<tr>
<td>1030-1000</td>
<td>Morning tea</td>
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</tbody>
</table>

**Concurrent Sessions**

<table>
<thead>
<tr>
<th>Themes</th>
<th>Improving production efficiency to revitalise grasslands</th>
<th>Improving grassland environment and resources</th>
<th>Grassland people, rights, policies, practices and processes</th>
<th>External drivers of change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-theme</td>
<td>1.1: Advances in grass and forage physiology</td>
<td>1.2: Development, use and impact of improved plants</td>
<td>1.3: Animal production systems for sustainable production</td>
<td>2.1: Ecology of grassland and forage resources</td>
</tr>
<tr>
<td>1100-1230</td>
<td>1.1.1: Understanding stress physiology of grasses and forages</td>
<td>1.2.1: Development and impact of sown tropical species</td>
<td>1.3.1: Prospects for management to increase grassland productivity</td>
<td>2.1.1: The ecology of grassland ecosystems</td>
</tr>
<tr>
<td>1230-1330</td>
<td>Lunch</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1330-1430</td>
<td>Poster viewing and discussion</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Sub-theme</td>
<td>1.2: Development, use and impact of improved plants</td>
<td>1.2: Development, use and impact of improved plants</td>
<td>1.3: Animal production systems for sustainable production</td>
<td>2.1: Ecology of grassland and forage resources</td>
</tr>
<tr>
<td>1430-1630</td>
<td>1.2.2: Development and impact of sown temperate species</td>
<td>1.2.3: Germplasm preservation, domestication and use of native forage plants</td>
<td>1.3.2: Improving quality of livestock products to meet market and community demands</td>
<td>2.1.2: Assessment of grassland ecosystem condition and their sustainability</td>
</tr>
<tr>
<td>1600-1700</td>
<td>Plenary 3: Diversity, trends, challenges and opportunities in Australian grasslands theme: Australian Grasslands</td>
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<tr>
<td>1700-1800</td>
<td>poster viewing</td>
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**Tuesday September 17, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0700-0800</td>
<td>Breakfast meetings</td>
</tr>
<tr>
<td>0700-1700</td>
<td>Registration</td>
</tr>
<tr>
<td>0830-0930</td>
<td>Plenary 4: New frontiers and perspectives in grassland technology</td>
</tr>
<tr>
<td>0930-1030</td>
<td>Plenary 5: Does intensification of grassland and forage use lead to efficient, profitable and sustainable ecosystems?</td>
</tr>
<tr>
<td>1030-1000</td>
<td>Morning tea</td>
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</table>
**Tuesday September 17, 2013**

### Concurrent Sessions

<table>
<thead>
<tr>
<th>Themes</th>
<th>Improving production efficiency to revitalise grasslands</th>
<th>Improving grassland environment and resources</th>
<th>Grassland people, rights, policies, practices and processes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-theme</td>
<td>1.2: Development, use and impact of improved plants</td>
<td>1.3: Animal production systems for sustainable production</td>
<td>2.1: Ecology of grassland and forage resources</td>
</tr>
<tr>
<td></td>
<td>2.2: Climate change and impacts on grasslands</td>
<td>3.1: Non-grazing benefits from grasslands</td>
<td>3.4: Development and adoption of new technology</td>
</tr>
<tr>
<td>1100-1230</td>
<td>1.4.1: Quality assessment of grasses and forages</td>
<td>2.1.3: Ecological succession, management and restoration of grasslands</td>
<td>2.2.3: Climate change impacts on grassland production, composition, distribution and adaptation</td>
</tr>
<tr>
<td></td>
<td>2.4.1: Animal-plant interactions</td>
<td>2.2.4: Impacts on and adaptation of livestock production systems to climate change</td>
<td>3.2.1: Managing the policies, trade-offs and incentives for grasslands</td>
</tr>
<tr>
<td></td>
<td>3.3.1: Social and economic adaptation to changes in grassland resources and markets</td>
<td>3.4.1: Effective pathways for industry use of grasslands technology</td>
<td>3.4.2: Tools to aid uptake of new technology</td>
</tr>
</tbody>
</table>

| 1230-1330 | Lunch |

### Poster viewing and discussion

<table>
<thead>
<tr>
<th>Sub-theme</th>
<th>1.2: Development, use and impact of improved plants</th>
<th>1.4: Forage quality, conservation and utilization</th>
<th>2.1: Ecology of grassland and forage resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>1430-1600</td>
<td>2.2: Climate change and impacts on grasslands</td>
<td>3.2: Policy issues for grasslands</td>
<td>3.4: Development and adoption of new technology</td>
</tr>
<tr>
<td></td>
<td>3.4.3: Traditional knowledge, practices and grazing systems</td>
<td>3.4.1: Effective pathways for industry use of grasslands technology</td>
<td>3.4.2: Tools to aid uptake of new technology</td>
</tr>
</tbody>
</table>

| 1600-1700 | Plenary 6: Crop/pasture farming systems [Howard Oration] theme: Australian Grasslands |
| 1700-1800 | Poster viewing reception |

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**Wednesday September 18, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0700-0830</td>
<td>Breakfast meetings</td>
</tr>
<tr>
<td>0700-1700</td>
<td>Registration</td>
</tr>
<tr>
<td>0830-0930</td>
<td>Plenary 7: Drivers of change for grassland and forage systems</td>
</tr>
<tr>
<td>0930-1030</td>
<td>Plenary 8: International RD&amp;E investment – revitalising the skill base in grassland research and practice</td>
</tr>
<tr>
<td>1030-1100</td>
<td>Morning tea</td>
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### Concurrent Sessions

<table>
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<tr>
<th>Themes</th>
<th>Improving production efficiency to revitalise grasslands</th>
<th>Improving grassland environment and resources</th>
<th>Grassland people, rights, policies, practices and processes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-theme</td>
<td>1.5: Revitalising grasslands with targeted management</td>
<td>1.4: Forage quality, conservation and utilization</td>
<td>2.3: Resources of grassland and forage ecosystems</td>
</tr>
<tr>
<td></td>
<td>2.4: Plant protection of grasslands – Integrated management of weeds, pests and diseases</td>
<td>3.3: Social and cultural dimensions of grasslands</td>
<td>3.4: Development and adoption of new technology</td>
</tr>
<tr>
<td>1030-1230</td>
<td>1.5.1: Monitoring and managing grass and forage biomass resources at the landscape level</td>
<td>2.3.1: Soil quality, biology and plant-soil interactions</td>
<td>2.4.1: Control and management of weeds and diseases of grass and forage systems</td>
</tr>
<tr>
<td></td>
<td>3.3.3: Social and economic adaptation to changes in grassland resources and markets</td>
<td>3.4.3: Traditional knowledge, practices and grazing systems</td>
<td>3.4.4: Development and adoption of new technology</td>
</tr>
</tbody>
</table>

| 1230-1330 | Lunch |
| 1330-1430 | Poster viewing and discussion |
| 1430-1530 | Plenary 9: Australian grassland research at the crossroads theme: Australian Grasslands |
| 1530-1700 | Youth Forum |
| 1700-1730 | Poster viewing |
| 1900-2300 | Congress Dinner |
# Preliminary Program

**Thursday September 19, 2013**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>0700-0830</td>
<td>Breakfast meetings</td>
</tr>
<tr>
<td>0700-1700</td>
<td>Registration</td>
</tr>
<tr>
<td>0830-0930</td>
<td>International Grassland Congress Business Meeting (including election of regional representatives and invitation to IGC/IRC joined congress in India)</td>
</tr>
<tr>
<td>0930-1030</td>
<td>Morning tea</td>
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</table>

**Concurrent Sessions**

**Themes**

- Improving production efficiency to revitalise grasslands
- Improving grassland environment and resources

<table>
<thead>
<tr>
<th>Sub-theme</th>
<th>Concurrent Sessions</th>
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<tbody>
<tr>
<td>1.4:</td>
<td>Forage quality, conservation and utilization</td>
</tr>
<tr>
<td>1.6:</td>
<td>Integrated crop, forage and grassland systems</td>
</tr>
<tr>
<td>2.3:</td>
<td>Resources of grassland and forage ecosystems</td>
</tr>
<tr>
<td>2.4:</td>
<td>Plant protection of grasslands - integrated management of weeds, pests and diseases</td>
</tr>
<tr>
<td>2.5:</td>
<td>Degradation, rehabilitation and protection of grasslands</td>
</tr>
<tr>
<td>2.6:</td>
<td>Dairy Forum</td>
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<tr>
<td>3.5:</td>
<td>Building our capacity to manage grassland challenges</td>
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</table>

**1030-1200**

<table>
<thead>
<tr>
<th>Concurrent Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4.3: Managing seasonality in grassland quality and quantity</td>
</tr>
<tr>
<td>1.6.1: Pastures in integrated crop/livestock production systems</td>
</tr>
<tr>
<td>2.3.2: Water resources and catchment management in grassland and forage systems</td>
</tr>
<tr>
<td>2.4.2: Control of vertebrate and invertebrate pests of grass and forage systems</td>
</tr>
<tr>
<td>2.5.1: Successful rehabilitation in degraded grass and forage lands</td>
</tr>
<tr>
<td>2.6.1: Dairying in Australia in the 21st Century</td>
</tr>
<tr>
<td>2.6.3: Plant nutrition and nutrient cycling</td>
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</tbody>
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**1200-1300**

<table>
<thead>
<tr>
<th>Concurrent Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lunch</td>
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</table>

**1300-1500**

**Sub-theme**

- Revitalising grasslands with targeted management

<table>
<thead>
<tr>
<th>Concurrent Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5: Revitalising grasslands with targeted management</td>
</tr>
<tr>
<td>1.6: Integrated crop, forage and grassland systems</td>
</tr>
<tr>
<td>2.3: Resources of grassland and forage ecosystems</td>
</tr>
<tr>
<td>2.6: Dairy Forum</td>
</tr>
<tr>
<td>2.5: Degradation, rehabilitation and protection of grasslands</td>
</tr>
<tr>
<td>3.5: Building our capacity to manage grassland challenges</td>
</tr>
</tbody>
</table>

**1500-1630**

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<thead>
<tr>
<th>Concurrent Sessions</th>
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<tbody>
<tr>
<td>1.5.2: Implementing and monitoring management strategies to deal with variability in grasslands at farm level</td>
</tr>
<tr>
<td>1.6.2: Production, environment and social benefit of agro-forestry systems</td>
</tr>
<tr>
<td>2.3.3: Plant nutrition and nutrient cycling</td>
</tr>
<tr>
<td>2.6.1: Dairying in Australia in the 21st Century</td>
</tr>
<tr>
<td>2.5.2: Biodiversity and conservation of grasslands</td>
</tr>
<tr>
<td>3.5.2: Engaging the next generation of grassland researchers and practitioners</td>
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</tbody>
</table>

**1630-1730**

<table>
<thead>
<tr>
<th>Concurrent Sessions</th>
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<tbody>
<tr>
<td>Closing Ceremony</td>
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*22nd International Grassland Congress*  
*Sydney | 15-19 September 2013*
### Pre and post congress satellite meetings

<table>
<thead>
<tr>
<th>Title</th>
<th>Duration</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-congress tour 1</strong></td>
<td></td>
<td>AUD950 per person, inclusive of bus travel, twin-share or double accommodation for three nights (please add AUD150 supplement for single room accommodation), meals, symposium dinner. Accommodation in Perth on the night of Friday 13 September and airfares from Perth to Sydney are not included.</td>
</tr>
<tr>
<td>Forages in Mediterranean Systems, Western Australia</td>
<td>4 days, 3 nights: 0900 hours Tuesday 10 September to 1700 hours Friday 13 September 2013</td>
<td><strong>Description:</strong> The tour/symposium focuses on the roles of forages and management in meeting the challenges of climate change, mixed farming and environmental management issues in southern WA, which has a Mediterranean-like climate. Bus tours from Perth to Albany and return will cover higher and lower rainfall zones of the mixed farming area. The Symposium in Albany will deal with novel plants for Mediterranean farming systems, livestock systems, and the scientific and socio-economic issues that underpin these systems.</td>
</tr>
<tr>
<td>Organised by Dr John McGrath of the Future Farm Industries Cooperative Research Centre</td>
<td></td>
<td><strong>Itinerary:</strong> Fly to Perth (PER), capital of dynamic Western Australia. Collection from your South Perth hotel on the morning of 10 September and travel by coach to Albany on the scenic south coast, with relevant site visits on the way. You will participate in an important symposium that deals with resolving production, environmental and socio-economic challenges in the Mediterranean climate of southern WA. As well as a tour of the historic Albany area, delegates will visit natural landscapes and tall eucalypt forests en route to the symposium dinner in Denmark on 12 September. Your coach will return you to Perth on Friday evening. Unless you are on a late night flight you will need to stay overnight (at own expense) in Perth before travel to Sydney. A symposium only registration is available for $300. For more information contact Future Farm Industries CRC.</td>
</tr>
<tr>
<td><strong>Pre-congress tour 2</strong></td>
<td></td>
<td>AUD900 per person, inclusive of bus travel, twin-share accommodation for 4 nights (please add AUD150 supplement for single room accommodation), lunches, most evening meals and the the airfare from Townsville to Sydney.</td>
</tr>
<tr>
<td>Tropical legumes and the beef industry in northern Australia, North Queensland</td>
<td>3 days, 4 nights: 1800 hours Tuesday 10 September to 0800 hours Saturday 14 September 2013</td>
<td><strong>Description:</strong> This is a unique opportunity to see, discuss and assess the impact of tropical legumes and grasses in the context of frontier cattle industries in northern Australia. The tour includes aspects of seed, pasture and livestock production; species and cultivars; management issues; cattle fattening on irrigated leucaena; and monitoring methane emissions and grazing behaviour in extensive grazing systems.</td>
</tr>
<tr>
<td>Organised by Dr Max Shelton of the University of Queensland</td>
<td></td>
<td><strong>Itinerary:</strong> Fly to Cairns to a welcome and dinner, then travel to Atherton Tableland, Charters Towers and Townsville (plus Woodstock and Byrne Valley from Townsville). The Cairns and Townsville regions cover four of the main tropical pasture zones.</td>
</tr>
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</table>
# Pre and post congress satellite meetings

<table>
<thead>
<tr>
<th>Title</th>
<th>Duration</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Pre-congress tour 3</td>
<td>4 days, 4 nights: 1000 hours Wednesday 11 September to 0800 hours Sunday 15 September 2013</td>
<td>AUD1,100 per person, inclusive of bus travel, twin-share or double accommodation for 4 nights (please add AUD150 supplement for single room accommodation), meals, final dinner. Air fares to Launceston/Devonport and from Hobart to Sydney on Sunday 15 September are not included. Several daily flights to Launceston or Devonport from mainland cities and from Hobart to Sydney are available.</td>
</tr>
<tr>
<td><strong>Temperate grasslands in Tasmania—diversity and management</strong>&lt;br&gt;Organised by Dr Peter Lane of the University of Tasmania, with assistance from the Grassland Society of Southern Australia Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post-congress tour 1</td>
<td>5 days, 4 nights: 0830 hours Friday 20 September to 1800 hours Tuesday 24 September 2013</td>
<td>AUD1,245 per person, inclusive of bus travel, double or twin-share accommodation (please add AUD305 for single room accommodation) for 4 nights, all meals except lunch in Canberra and dinner on the last day, Canberra day tour, wine tasting at a boutique winery, Japanese Gardens memorial at Cowra, the scenic and heavily forested Blue Mountains. Accommodation in Sydney on the night of 24 September is not included.</td>
</tr>
<tr>
<td><strong>NSW grasslands, Southern Highlands</strong>&lt;br&gt;Organised by Dr Richard Simpson and Dr Hugh Dove of CSIRO, with assistance from the Grassland Society of NSW Inc.</td>
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### Description:
This tour showcases Australia’s scenic island State, Tasmania, recognised worldwide for the quality of its produce. Delegates will explore innovative agricultural enterprises from intensive dairy and beef production on irrigated and dryland sown pastures to extensive meat and fine wool production on dryland sown and native pastures. Tasmania also produces high quality cool climate wines, 33% of the world’s legal opiates and over 60% of the world pyrethrum supplies, with most farms including livestock production. This tour will feature the integration of livestock production into farming and landscape systems.

### Itinerary:
Fly into northern Tasmanian (either Launceston or Devonport airports) and travel to historic Woolnorth (vdlfarms.com.au), located near Cape Grim, known for the cleanest air in the world. After touring the north-west, where basalt soils underpin intensive agriculture, the tour heads to extensive grazing in the Midlands and East Coast regions of the State. Delegates will experience the diversity of Tasmanian agriculture, finished off with the finest Tasmanian produce at a dinner in Hobart, the capital of Tasmania.

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</table>

### Description:
The tour takes in a full range of grassland environments and deals with a number of features and issues in managing pasture-livestock systems in the high rainfall Tablelands and mixed farming Slopes regions of New South Wales (NSW), the first state colonised and proclaimed by British settlers in Australia. It includes a special one-day tour of magnificent Canberra, the capital of Australia, and a return to Sydney via the scenic Blue Mountains. The tour is an attractive option for delegates with accompanying partners.

### Itinerary:
From Sydney, the itinerary takes in dairy farming south of Sydney, coastal scenery, tablelands and slopes, Mittagong, pasture and crop grazing options for sheep and beef production, Goulburn, pasture legumes and fertilisers for improved and native pastures, natural resource management, Yass, wine country, a Canberra day tour itinerary that includes significant national institutions galleries and museums, sheep and fine wool production, grazing management, Orange, the craggy ridges of the Blue Mountains, and return to Sydney.
Title | Duration | Cost
-------|----------|--------
Post-congress tour 2 | 2 days, 1 night: 0800 hours on Friday 20 September to 2030 hours on Saturday 21 September 2013. | AUD476 per person, inclusive of bus travel, double or twin-share accommodation (please add AUD100 for single accommodation) for one (1) night, meals, return to Sydney. No accommodation is included in Sydney for the night of 21 September.

A taste of NSW and Canberra
Organised by Dr Richard Simpson and Dr Hugh Dove of CSIRO

Description:
This proposal meets the demand from IGC delegates for a short post-Congress tour, suitable for delegates with limitations on time and/or expense.

Itinerary:
It includes dairying and dairy science near Sydney, sheep and beef production on the southern tablelands, Canberra, new crop grazing systems, legume and fertiliser decision-making and light dinner on the journey back to Sydney.

IGC2013 tour conditions

1. All cancellations must be notified in writing to the congress secretariat. To secure a place in a tour, payment in full must be made on a first-come, first-served basis up to 30 April 2013. Cancellations received from 1 May to 15 July 2013 will be refunded in full, less a 25% administration fee. As an alternative to a 25% administration fee for cancellation, tour registration may be transferred to another member of your organisation, subject to a processing fee of AUD33. No registration/tour refunds will be made after 15 July 2013.

2. The congress secretariat reserves the right, in consultation with the IGC committee and tour proponents, to revoke or vary any tour if the minimum number (85% of capacity) is not reached by 30 April 2013. If a tour is either fully subscribed (see 1. above) or revoked, interested participants will be offered any vacant places on an alternative tour or the refund of their deposits/payments.

Disclaimer: MCI Australia and their agents act only as organisers of congress activities and do not accept responsibility for any act or omission on the part of the service providers. No liability is accepted for any inaccuracy, misdescription, delay, damage, death or personal injury.
Affiliated meetings

Plant adaptation to drought and high temperature
A meeting of interested scientists has been organised for Saturday 14 September.
Enquiries and bookings: Dr Mark Norton: Mark.Norton@csiro.au.

Smart farm technologies
An expo of smart-farm technologies is proposed at the University of New England, Armidale, on Monday 23 September and Tuesday 24 September. On display will be R&D work related to greenhouse gas monitoring, spatial technologies, smart farm electronics and e-management of livestock.
Enquiries and bookings: Dr Mark Trotter: mtrotte3@une.edu.au.

IV International Symposium on Forage Breeding (post-congress)
This 4th symposium, the first to be held outside of Brazil, will be held the week after the congress and will be an essential event for forage breeders/physiologists. The symposium includes 8 themes, including genetic resources and novel species, breeding and managing symbioses, overcoming abiotic stresses, forage quality and nutritive value, breeding for new environments and production systems, biotic stresses and disease tolerance, new traits and technologies, and whole genome selection in forages.

Itinerary:
3 days: The symposium will run from 0900 hours on Monday 23 September to 1500 hours on Wednesday 25 September 2013. The venue is AgriBio, The Centre for AgriBioscience at La Trobe University in Melbourne, Australia’s most European city. A symposium dinner will be held on Tuesday night and a tour of AgriBio is available immediately after the symposium.

AUD300 per delegate (includes dinner). Delegates will need to book their own flights Sydney–Melbourne after IGC2013.
Enquiries and bookings: Professor German Spangenberg: German.Spangenberg@dpi.vic.gov.au.

2013 IHSG Workshop, New Zealand (post-congress)
Congress participants are invited fly across the Tasman Sea to New Zealand, to attend in Methven (near Christchurch) the 2013 IHSG Workshop, to be held by the International Herbage Seed Group. The workshop theme is “R&D adoption by seed-growers – making good science work on the farm”. The 4-day workshop will be preceded by a 2-day tour (starting from Christchurch late afternoon on Friday 20 September).

Itinerary:
4 nights, 4 days: The workshop will be held during the week after IGC2013, from 1700 hours on Sunday 22 September to 1700 hours on Thursday 26 September 2013 (pre-workshop tour from 1700 hours on Friday 20 September to 1700 hours on Sunday 22 September). During the workshop, a series of presentations, research site visits and farm tours will focus on topics such as optimising N inputs, managing livestock with seed production, integrating seed production enterprises (pastures, vegetables, crops), irrigation technology, and remote sensing and GPS technologies for seed crops. The pre-workshop tour takes in coastal scenery N of Christchurch, crosses the Southern Alps by bus to the W coast and returns to Christchurch by train.

$NZ550 per person for the workshop, including all meals, bus travel and related costs but not accommodation. Accommodation is available in Methven for $NZ115 per night for single rooms and $NZ130 for double/twin rooms. Participants are free to make alternative accommodation arrangements. The cost of the tour is yet to be finalised. Airfares from Sydney to Christchurch are not included.
Enquiries and bookings: phil.rolston@agresearch.co.nz, jason.thethewey@agresearch.co.nz or chynwether@far.org.nz. Please mention if you are interested in the pre-workshop tour.

For more information regarding the pre and post workshops please refer to the congress website www.igc2013.com.
Industry exhibition

The exhibition is an integral component of IGC2013; the exhibition will be the prime networking arena for delegates and exhibitors outside the congress sessions.

To acknowledge the importance of the exhibition, the congress program provides maximum exposure to delegates. The exhibition will be located in the Bayside Grand Hall (ground floor) and officially opened at 1600 hours on Sunday 15 September 2013, and all morning teas, lunches and afternoon teas will be held in this area.

Organisations interested exhibiting should contact the congress managers immediately on telephone +61 2 9213 4065 or email sponex@igc2013.com.

A complete sponsorship & exhibition prospectus can be downloaded from the congress website www.igc2013.com.
Sydney is one of Australia’s most vibrant and cosmopolitan cities. While in Sydney, take some time before or after the conference to discover and explore some of the must-see cultural, historical and recreational sites. There are plenty of tours available to IGC 2013 delegates and their partners. Bookings are to be made individually by delegates, contact information is listed below.

**Bridge Climb**

Take the Climb of Your Life with BridgeClimb Sydney. You have the choice of three amazing adventures that take you to the top of the world famous Sydney Harbour Bridge and are available at Dawn, Day, Twilight and Night.

**The Express Climb**
Those who are short of time in Sydney, now don’t have to miss out on a climb to the top of Sydney’s iconic Bridge, with this new 2 hour and 15 minute experience.

**The Discovery Climb**
A 3½ hour guided Climb that takes you through the heart of the Bridge, providing a unique opportunity to explore the inner workings of this amazing structure.

**The Bridge Climb**
This is a 3½ hour guided journey overlooking the magnificent harbour city of Sydney. You’ll enjoy uninterrupted views as you climb the outer arch of the Bridge all the way to the summit.

Pricing starts from AUD 198-298 per person depending on season and climb time and type. For more details and to book please visit the website below.

W: [www.bridgeclimb.com](http://www.bridgeclimb.com)
T: +61 2 8274 7777
E: admin@bridgeclimb.com

**Sydney Harbour Coffee Cruise**

Sydney’s No.1 sightseeing cruise. The 2 hour coffee cruise will show you the best of Sydney Harbour and includes light morning or afternoon tea and a full commentary with amazing views from every deck.

Tours depart from Circular Quay, No.6 Jetty twice daily from 10.00am & 2.30pm. Pricing starts from AUD 55 per person. For more details and to book please visit the website below.

T: 1800 804 843
E: sydney@captaincook.com.au

**Blue Mountains**

Departing from 7.00am daily from a central Sydney CBD location this full day tour from Sydney will experience the Three Sisters rock formation, take in spectacular lookouts, ride the historic Scenic Railway and do a 2-3 hour hike at Wentworth Falls. Pricing starts from AUD 105 per person. For more details and to book please visit the website below.

T: 1800 068 886
E: reservations@adventuretours.com.au

* Longer tours available- see website for more details.
Hunter Valley*

Departing from 7.00am daily from a central Sydney CBD location this full day tour from Sydney will experience a day of local culture, splendid scenery and great wines as you sample the best of the Hunter Valley. Pricing starts from AUD 99 per person. For more details and to book please visit the website below.

T:  1800 068 886
E:  reservations@adventuretours.com.au

* Longer tours available- see website for more details.

Taronga Zoo

Taronga Zoo is just 12 minutes from the city by ferry, with breathtaking views of Sydney Harbour and free shows and keeper talks throughout the day. Pricing starts from AUD 44 per person for an adult ticket. For more details and to book please visit the website below.


Sydney Aquarium and Wildlife World

This unique and award winning attraction combines state-of-the-art design with stunning, authentic theming to recreate the iconic habitats of Australia. With a wide variety intimate indoor and expansive outdoor enclosures, including Koala Encounters on the rooftop and the huge Kangaroo Walk-About on the middle level, there is so, so much more than at first meets the eye.

Pricing starts from AUD 25 per person for an adult ticket. For more details and to book please visit the website below.

W:  www.wildlifesydney.com
T:  +61 2 9333 9288
E:  wildlifesydney@merlinentertainments.com.au

Opera House Tour

Discover the stories, history and magic of Sydney Opera House with an incredible guided tour taking you underneath the world famous sails. Advanced bookings are available online and close at midnight for the next day. Advanced bookings recommended. Pricing starts from AUD 28 per person for an adult ticket. For more details and to book please visit the website below.

W:  www.sydneyoperahouse.com
T:  +61 2 9250 7111
The Rocks Tour

The Rocks Walking Tours is Sydney’s longest established walking tour company and offers the ‘original’ guided walking tour of The Rocks! Tours depart from our office, which is conveniently located in the heart of The Rocks at Shop 4a – Clocktower Square, Cnr Argyle and Harrington Sts, The Rocks. Tours last approximately 1½ hours and covers two kilometres at a moderate walking pace. Pricing starts from AUD 25 per person for an adult ticket. For more details and to book please visit the website below.

W: www.rockswalkingtours.com.au
T: +61 2 9247 6678

Sydney and Bondi Beach Hop On and Off Tour

With a commentary read by an Australian television and radio personality, you’re sure to be kept entertained and informed as you journey through the city. You’ll get spectacular views of the famous Opera House and Harbour Bridge from the top deck. Simply Hop On Hop Off at any of our conveniently located 31 stops and discover the best that Sydney has to offer. Pay a visit to the Maritime Museum, the Chinese Gardens, Campbells Cove, Hyde Park or the Botanical Gardens. Plan an evening at Star City Casino or the Sydney Open Air Cinema. Or spend your day relaxing on Palm Beach, Bondi Beach or taking time out to go whale watching. Pricing starts from AUD 64 per person for an adult ticket. For more details and to book please visit the website below.

T: +61 2 8003 4300

Longer trips to regional New South Wales

> Central Coast: this region begins at Broken Bay on the mouth of the Hawkesbury River and includes bays and inlets all around Gosford, The Entrance and north to Lake Macquarie and Newcastle. Secluded beaches, cliff top walks, diving, fishing and water sports and adventure experiences are available.
> Snowy Mountains: explore Australia’s only true alpine habitat. In the absence of snow, the area comes alive with activities such as white-water rafting, kayaking and fishing, as well as bushwalking and horse riding.

For further information about Sydney and NSW, visit:

Visit NSW: www.visitnsw.com
Sydney City Council: www.cityofsydney.nsw.gov.au
What’s on Sydney: www.whatsonsydney.com.au

Sydney Convention and Exhibition Centre

IGC2013 will be held at the Sydney Convention & Exhibition Centre (SCEC). SCEC is located at Darling Harbour, adjacent to the Sydney CBD. The district offers a multitude of entertainment, dining, transport and accommodation options within walking distance. For further information about the venue visit www.scec.com.au.
Social program

**Lunch**
Lunch will be held in the Bayside Grand Hall ground level on Monday, Tuesday, Wednesday and Thursday and is included for fulltime delegates and day delegates (on the day of their registration) and registered exhibitors.

**Welcome reception**
Relax and enjoy informal drinks with colleagues and industry associates as part of a warm welcome to IGC2013.

- **Date:** Sunday 15 September 2013
- **Time:** 1700–1900 hours
- **Venue:** Bayside Grand Hall ground level
- **Cost:** Included in registration fees for fulltime delegates
- **Additional tickets:** AUD50 for guests
- **Inclusions:** Beverages, canapés
- **Dress:** Smart casual

**IGC2013 poster viewing reception**
Relax and enjoy informal drinks with colleagues and industry associates and meet the poster authors.

- **Date:** Tuesday 17 September 2013
- **Time:** 1700–1800 hours
- **Venue:** Bayside Grand Hall ground level
- **Cost:** Included in registration fees for fulltime and day delegates (on the day of their registration)
- **Inclusions:** Drinks and canapés
- **Dress:** Smart casual

**IGC2013 gala dinner**
The IGC2013 gala dinner will be the highlight of the congress’s social program. Enjoy an evening of great food, wine and company at Sydney’s Doltone House.

- **Date:** Wednesday 18 September 2013
- **Time:** 1900–2300 hours
- **Venue:** Doltone House, Jones Bay Wharf
- **Cost:** AUD120 for delegates, guests and registered exhibitors
- **Inclusions:** Welcome drinks, 3 course meal, beverages, entertainment
- **Dress:** Smart casual

**Cancellation policy**
The congress reserves the right to cancel or vary optional activities if minimum numbers are not reached. Regrettably, optional social functions and additional ticket cancellations cannot be refunded if participation is cancelled less than 72 hours prior to the event.

**Disclaimer**
IGC2013 and MCI Australia and their agents act only as organisers of these activities and do not accept responsibility for any act or omission on the part of the service providers. No liability is accepted for any inaccuracy, misdescription, delay, damage, death or personal injury.
**Useful information**

**Congress venue**
Sydney Convention & Exhibition Centre  
Darling Drive  
Darling Harbour NSW 2009  
T: +61 2 9282 5000  
F: +61 2 9282 5041  
E: info@scec.com.au  
W: www.scec.com.au

**Congress registration desk**
Registration will be conducted at the registration desk, located in the bayside ground level foyer, SCEC. Registration will be open at the following times:

- **Sunday 15 September 2013** 1000–1700 hours  
- **Monday 16 September 2013** 0700–1700 hours  
- **Tuesday 17 September 2013** 0700–1700 hours  
- **Wednesday 19 September 2013** 0700–1700 hours

**Messages**
A message board will be located near the registration desk. Please advise potential callers to contact SCEC (telephone +61 2 9282 5000) and ask for the International Grassland Congress 2013. Messages cannot be delivered personally.

**Climate**
September days in Sydney are generally sunny, either mild or warm. As a guide, temperatures in September range from 12°C to 22°C.

**Dress**
Smart casual attire is appropriate for congress sessions and social functions. Additional layers may be required for air-conditioned session rooms.

**Special diets**
Provision will be made for food preferences covering vegetarian, vegan, gluten, lactose, Halal and Kosher requests. If you have a special dietary requirement, please indicate this on the registration form. Please note that requests for non-specific requirements, such as low GI or low fat cannot be guaranteed.

**Disabled access**
The Sydney Convention and Exhibition Centre is accessible for all and features 18 disabled car spaces, ramps and lift access to and from the car park and throughout the venue.

**Congress managers**
MCI Australia has over 32 years’ experience and the successful track record of over 1,000 major conferences, meetings and events. With 47 offices in 23 countries, MCI can leverage their global resources and relationships and apply these to local markets. With offices in Adelaide, Brisbane, Hobart, Melbourne and Sydney, MCI Australia provides local support wherever your event is held.

For further information, please contact the congress managers:

MCI Australia  
82 Harris Street  
Pyrmont NSW 2009  
Australia  
T: +61 2 9213 4065  
F: +61 7 3858 5499 (registration/accommodation bookings)  
E: info@igc2013.com (general enquiries)  
registration@igc2013.com (registration/accommodation enquiries)  
W: www.igc2013.com
Special accommodation room rates have been negotiated for the event and may apply to extended stays (subject to availability). To take advantage of these savings, please complete the accommodation booking section when registering online at www.igc2013.com.

MCI Australia is unable to accept new or changes to existing room bookings after the following release date: 1600 hours Australian Eastern Standard Time on Wednesday 31 July 2013. From this time, bookings should be made directly with the hotel or via an accommodation reservation website.

- Rates are per room per night, in Australian dollars, and include GST.
- Room numbers are limited so please ensure you book well before the release date.
- Full payment is required at the time of booking.
- If full payment is not received, accommodation will not be confirmed.
- A tax invoice/receipt will be provided by MCI Australia.
- Payment may be made by electronic funds transfer:
  > Please ensure the amount transferred is equal to the total due INCLUDING any bank charges. To assist in the allocation of your payment, please email (guestservices.au@mci-group.com) or fax (+61 (0)7 3858 5499) transfer advice to MCI Australia immediately after transfer to ensure prompt allocation of your payment. Please ensure that your name and complete invoice number are included on the transfer notice.
  
Bank: National Australia Bank
Account name: MCI Australia Pty Ltd
BSB number: 084-255
Account number: 59 650 0566

- Hotels will require an imprint of your credit card at check-in for any incidentals.
- All changes are to be made through MCI Australia. For individual booking changes made after 31 July 2013, a limit of three changes per booking is allowed before an administration fee of AUD33 will apply to each subsequent change.
- Check-in prior to 1400 hours is not guaranteed and is at the hotel’s discretion, should you wish to guarantee early check-in you must book and pay for the previous night.
- If you wish your check-in to be after 1700 hours, please indicate your arrival time to allow easy check-in as well as ensuring your room is ready for you.
- Late check-outs can be requested but are not guaranteed. To guarantee a late check-out you will need to book an additional night’s accommodation.
- If you are sharing with another delegate, please ensure only one of you books accommodation, otherwise two separate bookings will be made.
- After you have completed your online registration you will be emailed confirmation of your accommodation. No confirmation will be sent directly from the hotel.

Cancellation:

All cancellations/amendments/reductions in stay received after 31 July 2013 is subject to a cancellation fee equivalent to 100% of the room nights booked. All cancellations and alterations to bookings must be made in writing. These, including early departures and ‘no-shows’, will incur penalties as above.
Accommodation venues

**Park Royal Darling Harbour ★★★★**
150 Day Street, Darling Harbour NSW 2000

- **Standard room**
  - queen / twin  AUD225 per room per night

Park Royal Darling Harbour is perfectly located on the city side of Darling Harbour. Ideal for business or leisure, it’s close to the CBD and SLEC. The hotel offers an extensive range of quality guest rooms, each with air-conditioning, cable TV and tea/coffee facilities. The hotel also features an onsite gym and restaurant.

Distance to SLEC: 10 minute walk (approximate)

**Novotel Rockford Darling Harbour ★★★**
17 Little Pier Street, Darling Harbour NSW 2000

- **Standard**
  - queen / twin  AUD219 per room per night

Novotel Rockford Darling Harbour is centrally located, offering spacious accommodation rooms within short walking distance of popular Darling Harbour restaurants, fantastic CBD shopping, attractions in Chinatown and only 15 minutes from the airport.

Distance to SLEC: 10 minute walk (approximate)

**Ibis Darling Harbour ★★★**
70 Murray Street, Darling Harbour NSW 2000

- **Pyrmont view room**
  - queen / twin  AUD199 per room per night
- **Harbour view room**
  - queen / twin  AUD219 per room per night

Ibis Darling Harbour provides quality 3 star accommodation and is the closest economy style hotel to SLEC. Located in the heart of Darling Harbour, the hotel offers 256 rooms with panoramic views of Darling Harbour and the western skyline. The hotel has a convenient undercover walkway to SLEC and is also located next to the monorail and light rail services, providing connections to the city centre.

Distance to SLEC: 2 minute walk (approximate)

**Ibis Sydney King Street Wharf ★★★**
22 Shelley Street, Sydney NSW 2000

- **Standard**
  - queen / twin  AUD189 per room per night

Enjoying pride of place near the waterfront in Sydney’s most desirable location, the hotel is just minutes from the pulsating excitement of Darling Harbour and surrounded by lively restaurants, bars and cafes.

Distance to SLEC: 15 minute walk (approximate)
Please read the following information carefully. To ensure you are registered for the congress, your completed registration form together with appropriate payment must be received by the dates listed below. Congress registration cannot be confirmed until payment is received. All fees are quoted in Australian dollars (AUD) and include GST.

### Registration fees

<table>
<thead>
<tr>
<th></th>
<th>Earlybird Up to 31 May</th>
<th>Standard Up to 15 August</th>
<th>Late / onsite On or after 16 August</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fulltime</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fulltime delegate</td>
<td>AUD1,265</td>
<td>AUD1,375</td>
<td>AUD1,485</td>
</tr>
<tr>
<td>Fulltime student</td>
<td>AUD925</td>
<td>AUD975</td>
<td>AUD1,075</td>
</tr>
<tr>
<td><strong>Single/multiple day</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day registration</td>
<td>AUD375</td>
<td>AUD425</td>
<td>AUD475</td>
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<tr>
<td>Student day registration</td>
<td>AUD250</td>
<td>AUD275</td>
<td>AUD300</td>
</tr>
</tbody>
</table>

*Students must verify that they are fulltime tertiary student by forwarding a photocopy of their student ID to the congress managers.

### Registration entitlements

<table>
<thead>
<tr>
<th></th>
<th>Fulltime registration</th>
<th>Day registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre &amp; post congress workshops</td>
<td>Optional activity at additional cost</td>
<td>Optional activity at additional cost</td>
</tr>
<tr>
<td>Session attendance</td>
<td>✓</td>
<td>✓ for day registered</td>
</tr>
<tr>
<td>Industry exhibition admission</td>
<td>✓</td>
<td>✓ for day registered</td>
</tr>
<tr>
<td>Morning/afternoon tea, lunch in Bayside Grand Hall ground level</td>
<td>✓</td>
<td>✓ for day registered</td>
</tr>
<tr>
<td>Congress handbook, abstracts volume and other congress materials</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Welcome reception</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>IGC2013 gala dinner</td>
<td>Optional activity at additional cost</td>
<td>Optional activity at additional cost</td>
</tr>
</tbody>
</table>
Registration information

Registration cancellation policy

> All cancellations must be notified in writing to the congress managers.
> Cancellations received on or before 28 June will be refunded in full, less a 25% administration fee. No registration refunds will be made after this date.
> As an alternative to cancellation, your registration may be transferred to another member of your organisation, subject to a AUD33 processing fee.

Payment

> All prices are in Australian dollars (AUD) and include GST.
> Payment must accompany your registration.
> Your registration cannot be confirmed until payment is received.
> Payment must be received by the due date to receive the discount, otherwise the next level of payment will be charged.

Credit card

> Payment by credit card is acceptable. Please note that debits to your credit card will appear as MCI Australia Pty Ltd on your statement.

Electronic funds transfer (EFT)

> Payment may also be made by electronic funds transfer.
> Please ensure the amount transferred is equal to the total due INCLUDING any bank charges.
> To assist in the allocation of your payment, please email remittance advice to guestservices.au@mci-group.com or fax to +61 7 3858 5499 immediately after the transfer to ensure prompt allocation of your payment.
> Please ensure that your name, congress acronym IGC2013 and invoice number are included on the transfer notice.

Bank: National Australia Bank
Account name: MCI Australia Pty Ltd
BSB number: 084-255
Account number: 59 650 0566
Swift code: NATAAU33025

Cheques

> Cheques or drafts must be in Australian currency, drawn on an Australian bank and free of all charges.
> Cheques should be made payable to MCI Australia Pty Ltd.
> Cheques should be mailed to:

MCI Australia
PO Box 1517
Eagle Farm QLD 4009
AUSTRALIA

Privacy statement

Your name and contact information including electronic address, may be used by parties directly related to the event such as the organisers and approved stakeholders, for relevant purposes such as promotion, networking and administration of this, and future events of this type.

In addition, your name, organisation and state/country of origin may be published on the delegate list which is provided to delegates, exhibitors and sponsors at the event.

Email communication

By providing your email address and facsimile number on the accompanying form, you consent to be contacted by these methods in relation to this event and future events of this type.

Should you not wish your details to be used for any of the above purposes, please contact the congress managers at info@igc2013.com.

Intention to photograph

Delegates and others are advised that photographs may be taken during the congress and reproduced for promotional purposes.