



FOCUS SDG11

The Future We Want

Sustainability Forum to mark World Habitat Day

9.00am-5.00pm

Wednesday, 5 October 2016

The Mint, 10 Macquarie Street, Sydney

The name sustainability is derived from the Latin *sustinere* (*tenere*, to hold; *sub*, up). *Sustain* can mean 'maintain', 'support', or "endure". Since the 1980s 'sustainability' has been used more in the sense of human sustainability on planet Earth and this has resulted in the most widely quoted definition of sustainability as a part of the concept *sustainable development*, that of the Brundtland Commission of the United Nations on March 20, 1987: '... sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs...'

FORUM PARTICIPANTS



RON GARAN, ASTRONAUT

DISCOVER THE POSSIBILITIES

Up there, hovering above Earth with my orbital perspective, I came to believe that the answer to why our world still faces so many critical problems in spite of the ample technology and resources we have at our disposal lies primarily in our inability to effectively collaborate on a global scale.

As I looked back at our Earth from the orbital perspective, I saw a world where natural and man-made boundaries shrunk. I saw a world becoming more and more interconnected and collaborative, a world where the exponential increase in technology was making the impossible possible on a daily basis.

Thinking about the next 50 years, I imagined a world where people and organizations set aside their differences and unhealthy

competitive inclinations, and work together toward their common goals. After all, each and every one of us is riding through the Universe together on this Spaceship we call Earth, we are all interconnected, we are all in this together and we are all family.

Ron Garan

SESSION 1 – THE ORBITAL PERSPECTIVE: THE BLUE MARBLE’S ‘SUSTAINABLE FUTURES’



ANTHONY WICHT – FACILITATOR

Anthony led development of Australia’s most recent space policy (“Australia’s Satellite Utilisation Policy”) while at the Commonwealth Department of Industry, Innovation and Science. During that time he was also Australia’s representative to the United Nations Committee on the Peaceful Uses of Outer Space where he led an expert group preparing ‘rules of the road’ for conduct in space.

Anthony completed a Masters in Aeronautics and Astronautics at Massachusetts Institute of Technology (MIT) in 2011, where his research was in architecting complex space systems. He also holds a Bachelor of Civil

Engineering with First Class Honours and a Bachelor of Laws from the University of New South Wales, Australia.

Anthony is a former President of the National Space Society of Australia, a Senior Member of the American Institute of Aeronautics and Astronautics, and a member of the International Institute of Space Law. He has researched at George Washington University in Washington DC and lectured at Skolkovo Institute of Science and Technology in Moscow. He has articles published in *Space Policy*, the *Defence Acquisition Review Journal*, and the *Journal of Spacecraft and Rockets*.



RON GARAN, ASTRONAUT – SPEAKER PANELLIST

Col Ron Garan (USAF ret’d) is a decorated fighter pilot, astronaut, aquanaut, and entrepreneur. He has logged 178 days in space and 71 million miles in orbit. He is the founder of the non-profit social enterprise incubator Manna Energy Foundation and has worked with the US Agency for International Development.

Garan is also the founder of ‘Fragile Oasis’, an effort to use the orbital perspective to inspire positive social and environmental action. Colonel Ron Garan used to be a fighter pilot, participating in Desert Shield and Desert Storm. Then, he became an astronaut and his life changed in a way he could never have foreseen. Having seen the fragile beauty of earth from space, a stunningly rare vista only a handful of humans have ever seen, Garan’s perspective of life on earth changed entirely. His views of earth as a tiny marble 240 miles below led him to see a way forward without divisions of race, nations or religions. Combining a thrilling narrative of a huge 177 days spent in space with a powerful message of the need for optimism, trust and global collaboration to sustain our way of life. *The Orbital Perspective* is an utterly unique call to action.



PROFESSOR RUSSELL BOYCE – SPEAKER PANELLIST

Professor Russell Boyce holds the position of Chair for Space Engineering at UNSW Canberra, where he directs UNSW Canberra Space. UNSW Canberra Space has built a substantial team and capability for in-orbit space research - both science and technology, to develop and deliver innovative space technologies to help meet national and international needs. These include projects in space-based atmospheric carbon cycle monitoring, hyperspectral remote sensing, and space debris behaviour prediction.

Professor Boyce also chairs the Australian Academy of Science’s National Committee for Space and Radio Science, and is an Associate Fellow of the American Institute of Aeronautics and Astronautics.



DR PETER WOODGATE – SPEAKER PANELLIST

Peter is the CEO of the Australia and New Zealand Cooperative Research Centre for Spatial Information a partnership of around 100 organisations from government, the private sector and the university sector that is developing advanced applications in global positioning systems, earth imaging and information systems. He is also the Chair of the Open Digital Earth Foundation; Chair of the Global Spatial Network; Board Member of AuScope, an Australian geoscience research centre; and a Board Member of the UNESCO International Centre on Space Technologies for Natural and Cultural Heritage based in Beijing.

Peter previously held senior positions in natural resource management with the Victorian Government. While at RMIT University he helped create RMIT's the Global Sustainability Institute, and Risk and Community Safety Research Centre.

SESSION 2 – SUSTAINABLE CITIES AND THE GLOBAL COMPACT



MARLON KOBACKER – FACILITATOR

Marlon is a Director of Sustainable Future Group, which specialises in removing the capital cost barrier to clean energy projects using clean energy finance.

Marlon was the first person to graduate from the world's first undergraduate program in Photovoltaic & Solar Energy Engineering at the University of New South Wales, where he taught solar architectural design before embarking on a career as a sustainability advisor, working for global consulting firms such as Arup, Cundall and AECOM.

Marlon has presented at 10 international conferences with a focus on cost-effective sustainable building and precinct design, and recently published the book *Removing the Capital Cost Barrier to Sustainable Building Design*.



THE WORLD BANK

PIERRE GRAFTIEAUX – SPEAKER PANELLIST

Pierre is the Program Leader - Sustainable Development at the World Bank. and specializes in project management (preparation and supervision), transport planning, urban/ public transport, urban development, institutional and regulatory frameworks, concessions and PPPs, climate change mitigation and resilience, air quality, socio-economic analysis, impact studies for infrastructure projects, transport-related air pollution, fare policies, land-use policies, traffic forecasts, resettlement, infrastructure

assets management.

Since November 2014, Pierre is in charge of the Infrastructure Program Manager and Manager of the Pacific Regional Infrastructure Trust Fund funded by the Australian Minister of Foreign Affairs and Trade (based in Sydney, Australia)

- overseeing the infrastructure portfolio of the World Bank in the Pacific Region: PNG, East Timor, Pacific Islands, covering the sectors of transport, energy, water and sanitation, disaster risk management, climate resilience and agriculture, and, as
- Task Team Leader for (i) two aviation projects in Kiribati and Tonga including rehabilitation of the terminals, resurfacing of the runway, upgrade of the navigation aids, institutional reforms, (ii) a road project in Kiribati to rehabilitate the main road serving Tarawa, (iii) a greenfield port project in East Timor through a public private partnership.

Pierre serves as the Lead Transport Specialist (based in Dakar, Senegal) in charge of overseeing the transport portfolio of the World Bank in the sub-region (Senegal, Gambia, Guinea-Bissau, Cape Verde).

Proposed topic: 'The World Bank Group Climate Change Action Plan illustrated by a number of ongoing projects.'



MICHAEL NOLAN – SPEAKER PANELLIST

As Chair of the UN Global Compact - Cities Programme Michael leads the strategic direction and growth of the UN Global Compact – Cities Programme and has over 20 years of experience in managing sustainability and climate change outcomes for government and business. He has extensive experience in sustainable infrastructure, climate change adaptation and resilience.

Proposed Topic: 'Successes and Failures of Sustainable Cities'

Michael will cover the many sustainability successes of cities as members of the Cities Programme over the past 13 years but also the failures and lessons learnt. The collaboration of private and public sector to advance sustainability and resilience is critical for the success of SDG 11.



SIMON MOLESWORTH-SPEAKER PANELLIST

Simon was Foundation Chairman and inaugural president of the National Environmental Law Association 1983-85 and past Executive Chairman of International National Trusts Organisation (INTO).

Initially practising as a barrister from May 1984, Simon took silk in December 1995. As a practising Queen's Counsel he specializes in environmental, planning, natural resource, heritage, valuation, local government and administrative law,

together with international law and corporate law where associated with his core expertise. The law and policy relating to climate change and sustainable environmental management has been a particular focus of his practice since 2005. He appears in courts and tribunals in Australia and maintains a national and international advisory practice.

Simon served as Executive Chairman of International National Trusts Organisation (INTO) an international NGO charity in the heritage conservation field comprising member organisations in 60+ nations representing in excess of 6 million members and supporters estimated at tens of millions more people worldwide. INTO is an international network of National Trusts and similar non- governmental organisations, globally diverse but united by a shared commitment to conserving and sustaining our shared heritage - built and natural, tangible and intangible.

Proposed Topic: The Victoria Declaration on the Implications for Cultural Sustainability of Climate Change: "The destruction of culture is a fundamental breach of the principle of intergenerational equity, in that a culture destroyed or diminished within the time of the current generation will deprive members of future generations of their right to their cultural inheritance".

'Creating Healthy Cities' Summit, ADC Forum, 2015

SESSION 3 – SUSTAINABLE COMMUNITIES: THE HUMAN HABITAT AND THE EXISTENTIAL IMPERATIVE



Dr KATE SINCLAIR – FACILITATOR

Kate holds a doctorate in Law and is Founder of Global Citizen Leaders (GCL), an education and engagement initiative based on the tenet: *We all have the power to play a part*. GCL's focus reflects a key theme throughout Kate's life: values driven work to build innovative change that enhances wellbeing and is sustainable.

As a change-leader Kate has: led strategy analysis and project design at a national level for young people; mobilised creative student action projects for collective impact; undertaken research, documentation, speaking and facilitator roles; and citizen lobbying projects to penetrate change barriers.

GCL's ambitious systems approach is to grow diverse whole of society engagement with young people and education experiences that empower and equip them to sustain action on issues they most care about.



MARTIN THOMAS – SPEAKER PANELLIST

Martin is CEO of Habitat for Humanity Australia, the world's leading provider of housing for low income families in need. He holds a Masters in International Relations and a degree in theology, but started his career as a journalist working with major metropolitan and national newspapers in Australia where he held roles such as business editor and chief of staff. Since moving to the not-for-profit sector more than ten years ago, Martin has worked for World Vision, UNICEF and Mission Australia managing areas such as advocacy, policy and research, government relations, corporate fundraising and grant acquisition.

Martin joined Habitat for Humanity Australia in June 2014 and has since led the creation of a 3 year strategic plan that puts the issue of urbanisation at the core of the organisation's advocacy and programming. Partnering with governments, corporations, organisations, and communities across the Asia Pacific region, Habitat for Humanity aims to help 15 million people secure decent shelter as a way out of poverty, and engage a further 10 million as volunteers, advocates and supporters by 2020.

Proposed Topic: 'Habitat for Humanity's 3-year strategic plan to address the issue of urbanisation'



GARETH COLLINS – SPEAKER PANELLIST

Gareth Collins is the NSW President of the Australian Institute of Landscape Architects and a landscape architect of 25 years experience in the United Kingdom and Australia. Focusing on the planning and design of transport infrastructure to benefit cities, Gareth has authored and produced design policies and guidelines relating to biodiversity, landscape design, bridge design and urban design. His policy 'Beyond the Pavement Urban Design Policy, Procedures and Design Principles' won the Australia Award for Urban Design and the Australian Institute of Landscape Architects award for excellence in 2010.

Gareth is also the Principal Manager Urban Design at Roads and Maritime Services - an agency of Transport for NSW. Amongst other projects, with

his team he works on the 700km Pacific Highway program, the Sydney Harbour ferry wharf program, and the Western Sydney Infrastructure road network upgrade. He also advises on the Sydney motorway and light rail projects.

As AILA NSW president, Gareth is championing the Parkland City green infrastructure initiative for Western Sydney.

Proposed Topic: 'The whole is greater than the sum of its parts -Beyond the Pavement Urban Design Policy, Procedures and Design Principles'

'Sydney's beauty relies on its visual and physical connection to nature', SMH 2016.



MICHAEL MOBBS – SPEAKER PANELLIST

Michael is an environmental lawyer and Sustainability Coach. He set out in 1996 to renovate his inner-city Sydney terrace and make it almost entirely self-sufficient in terms of energy, water and waste disposal. It was a journey few other Australians had attempted but he has shown it can be achieved and that it is possible for almost anyone.

Proposed Topic: The Sustainable House – living 'off grid'.

The Sustainable Development Goals (SDGs) replace the eight Millennium Development Goals (MDGs), which expired at the end of 2015. The MDGs were established in 2000 following the Millennium Summit of the United Nations. Adopted by the 189 United Nations member states at the time and more than twenty international organizations, these goals were advanced to help achieve the following sustainable development standards by 2015.

- To eradicate extreme poverty and hunger
- To achieve universal primary education
- To promote gender equality and empower women
- To reduce child mortality
- To improve maternal health
- To combat HIV/AIDS, malaria, and other diseases
- To ensure environmental sustainability (one of the targets in this goal focuses on increasing sustainable access to safedrinking water and basic sanitation)
- To develop a global partnership for development



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A SUSTAINABILITY FORUM TO MARK WORLD HABITAT DAY IS AN INITIATIVE
OF THE UNAA PEACE PROGRAM

The United Nations Association of Australia is a national not-for-profit organisation dedicated to informing the community about the work of the United Nations and seeking to advance its goals in Australia and around the world.

www.unaa.org.au | unaapeaceprogram.org.au | www.focusd11forum.org

FOR MORE INFORMATION PLEASE CONTACT

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