

GLOBAL CHANGE INSTITUTE
UQ Water Forum Program

Innovative water solutions for a sustainable future

4 – 5 July 2016



MONDAY, 4 JULY

8.30 am

Prof. Stephen Walker, Executive Dean, UQ Faculty of Science

8.50 am

Federal election result: Implications for water – special panel

Speakers

- **Dr Sandra Hall** – Aust Water Association, Qld
- **Adjunct Prof. Leith Bouly** – CRC for Water Sensitive Cities and SunWater
- **Mark Pascoe** – UQ International WaterCentre
- **Prof. Karen Hussey** – UQ Global Change Institute

10.00 am

Theme 1: Can we enhance productive economies through improved water management?

1A: End user research needs

Speakers

- **Ian Johnson** – Qld Farmers Federation
- **Paul Birch** – Fitzroy Basin Association
- **Prof. Neil McIntyre** – UQ Sustainable Minerals Institute
- **Prof. Robert Henry** – Qld Alliance for Agriculture & Food Innovation (QAAFI)

11.10 – MORNING TEA

11.30 am

1B: UQ lightning research presentations

Speakers

- **A/Prof. Daniel Rodriguez** (UQ Qld Alliance for Agriculture & Food Innovation) – Water Smart Farming Systems.
- **Prof. Susanne Schmidt** (UQ School of Agriculture and Food Sciences) – NextGen fertilisers for nutrient stewardship.
- **Dr Glen Fox** (UQ Qld Alliance for Agriculture & Food Innovation) - Using commercial and Australian native rice species in north Queensland: the correct species for the correct environment.
- **Dr Marguerite Renouf** (UQ School of Chemical Engineering) – A 'metabolism' perspective on urban water servicing options.
- **Prof. Jim Underschultz** (UQ Sustainable Minerals Institute) – Hydrogeology, Fault Valving and Fluid Flux.
- **Dr Alex Lechner** (UQ Sustainable Minerals Institute) – Planning in mining regions – assessment of potential mining impacts on water and biodiversity.
- **Julius Kotir** (UQ School of Geography, Planning and Environmental Management) – More land or water? A simulation model in the Volta River Basin, West Africa.
- **Dr Sue Vink** (UQ Sustainable Minerals Institute) – New insights into groundwater flow in the Great Artesian Basin.

1.00 – LUNCH

2.00 pm

Theme 2: What is our role in enhancing the value and health of our waterways?

2A: End user research needs

Speakers

- **Partha Susarla** – Unitywater
- **Saul Martinez** – Brisbane City Council
- **Prof. Helen Ross** – UQ School of Agriculture and Food Sciences
- **A/Prof. Yongping Wei** – UQ School of Geography, Planning & Environmental Management

3.10 – BREAK

3.15 pm

2B: UQ lightning research presentations

Speakers

- **A/Prof. Kelly Fielding** (UQ School of Communication & Arts) – Stormwater is fine but I'm not comfortable with recycled water.
- **A/Prof. Yongping Wei** (UQ School of Geography, Planning & Environmental Management) – Evolution of societal value on water resources in Australia.
- **Dr Kathy Witt** (UQ Sustainable Minerals Institute) – Understanding how people value rural waterways.
- **Dr Angela Dean** (UQ School of Communication & Arts) – Engaging communities in waterway protection through effective communication.
- **Lynda Lawson** (UQ Sustainable Minerals Institute) – Promoting women's voices in the management of natural resources: reflections from the literature and women sapphire miners in South West Madagascar.
- **Dr Natalie Jones** (UQ School of Agriculture and Food Sciences) – Waterway values of Moreton Bay and lower catchments.
- **Dr Tyrone Ridgeway** (UQ Global Change Institute) – Improving water quality will not be enough to save the Great Barrier Reef.
- **Anthony Kung** (UQ International WaterCentre) – Creating environmental report cards: using the production process to capture knowledge and build stakeholder relationships.
- **Prof. Helen Ross** (UQ School of Agriculture and Food Sciences) – Managing south-east Queensland's waterways: a focus on values.

4.45 – CLOSE

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TUESDAY, 5 JULY

9.00 am

Theme 3: Can we transform Queensland ahead of the next shock to ensure resilience in energy, water and land resources?

3A: End user research needs

Speakers

- **Lavanya Susarla** – Qld Urban Utilities
- **Paul Heaton** – Gold Coast Water
- **Prof. Jürg Keller** – UQ Advanced Water Management Centre
- **A/Prof. Eva Abal** – UQ Global Change Institute

10.25 – MORNING TEA

10.45 am

3B: UQ Lightning research presentations

Speakers

- **A/Prof. Kristen Lyons** (UQ School of Social Science) – Privatised development and resource impacts: A case study of industrial plantation forestry in East Africa and its failings for water, land and people.
- **Adjunct A/Prof. Jozef Syktus (UQ Global Change Institute) & Prof. Clive McAlpine (UQ GPEM)** – Impact of large-scale reforestation on temperature and rainfall in Aust.
- **Dr Katrin Doederer** (UQ Advanced Water Management Centre) – Is biofiltration for drinking water treatment the new/old silver bullet?
- **Dr Marie-Laure Pype** (UQ Advanced Water Management Centre) – WaterVal: development of national guidelines to monitor reverse osmosis membrane.
- **A/Prof. Antony Moulis & Dr Paola Leardini** (UQ School of Architecture) – Flood resilience in high density urban spaces.
- **Adjunct Prof. Bill Capati** (UQ Advanced Water Management Centre) – Managing odour and corrosion at Elanora sewerage catchment.
- **Dr David Adamson** (UQ School of Economics) – Economic instruments for water reform in Australia and Europe.

12.15 – LUNCH

Theme 4: How can water initiatives contribute to the UN Sustainable Development Goals?

1.15 pm

4A: UQ lightning research presentations

Speakers

- **A/Prof Simon Reid** (UQ School of Public Health) – Are changes in land use driving the epidemiology of water-associated diseases in Fiji?
- **Dr Dani Barrington** (UQ School of Public Health) – Can participatory action research be used to foster community and local stakeholder actions to improve water, sanitation and hygiene in informal settlements?
- **Dr Shabbir Ahmad** (UQ Business School) – Urban water pricing to promote equity, efficiency and sustainability: Evidence from a south Asian industrial city.
- **Declan Hearne** (UQ International WaterCentre) – Supporting evidence-based WaSH in Schools: participatory monitoring, analysing and planning.
- **Dr Luis Yerman Martinez** (UQ School of Civil Engineering) – Reinventing the toilet challenge.
- **Kylie Milligan** (UQ International WaterCentre) – WaSH monitoring data and outcomes in Fiji: An integrated water resource management perspective.
- **Dr Grace Muriuki** (UQ Global Change Institute) – Traditional bedfellows, new beds? Integrating water and food in Australian cities' traction towards SDGs – a primer.

2.45 – AFTERNOON TEA

2.50 pm

4B: Launch of UQ Discussion Paper

The UN Sustainable Development Goals for Water, Sanitation and Hygiene: How Should Australia Respond Within and Beyond its Borders?

Speakers

- **Dr Nina Hall** – UQ Global Change Institute
- **Dr Paul Jagals** – UQ School of Public Health
- **Prof. Saleem Ali** – UQ Sustainable Minerals Institute
- **A/Prof. Jon Willis** – UQ Poche Centre for Indigenous Health

4.00 – CLOSE

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