



# bioenergy\_strong



driving australia's bio economy

State Library of Queensland | Brisbane | 12-15 November 2019



Life Sciences Queensland



Queensland  
Government

[bioenergystrong.org.au](http://bioenergystrong.org.au)

# PROGRAM



WEDNESDAY 13TH NOVEMBER | DAY 1

STATE LIBRARY OF QUEENSLAND

8.00am	REGISTRATION
8.50am	WELCOME
9.00-10.50am	<p><b>SESSION 1   GLOBAL DECARBONISATION THROUGH BIOENERGY</b></p> <p>Hear from international and domestic leaders on the significant opportunity and role that Australia's Bioeconomy can play in achieving global decarbonisation. This session will include significant thought leaders such as Dr Patrick Gruber from Gevo and others who will set the scene and illuminate the opportunity.</p> <p><b>FACILITATOR   Annette Cowie, Principal Research Scientist, Climate at NSW Department of Primary Industries</b></p> <p>RESPECT: a project to enable Timor-Leste to become plastic neutral <b>Abel Guterres, Timor-Leste's Ambassador to Australia</b></p> <p>From 5 to 15 PJ in 5 years: lessons learned from Denmark's biogas boom <b>Claus Mortensen, Project &amp; Site Manager, Innovation Network for Bio Resources (INBIOM)</b></p> <p>Bioenergy opportunities in Australia <b>Matt Walden, Transactions and Business Development, Australian Renewable Energy Agency</b></p> <p>The role of Biofuels in global decarbonisation <b>Dr Patrick Gruber, Chief Executive Officer, Gevo</b></p> <p><b>Panel Discussion</b></p>
10.50-11.20am	MORNING TEA BREAK
11.20-12.55pm	<p><b>SESSION 2   CIRCULAR ECONOMIES IN ACTION</b></p> <p>Which projects are leading the way and inspiring action? In this session we will hear from Australian projects that are driving a movement of change and innovation. Hear from projects and companies driving innovation in better value extraction from waste.</p> <p><b>FACILITATOR   Amy Philbrook, Business Development &amp; Transactions, Australian Renewable Energy Agency (ARENA)</b></p> <p>Energy from Waste - Beyond Municipal Solid Waste <b>Henry Anning, Chief Executive Officer, ResourceCo Energy Systems at ResourceCo</b></p> <p>The Hazer Process - zero carbon products from local waste <b>Geoff Ward, Chief Executive Officer, Hazer Group Limited</b></p> <p>Waste - an asset to help solve Australia's fuel security concerns <b>Troy Collings, Director of Corporate &amp; Regulatory Affairs Southern Oil</b></p> <p>Options for small scale Energy from Waste <b>Paul Wootton, Technical Director - Power, GHD</b></p> <p><b>Panel Discussion</b></p>
12.55-1.55pm	LUNCH

## WEDNESDAY 13TH NOVEMBER | DAY 1

### STATE LIBRARY OF QUEENSLAND

1.55-3.45pm

#### SESSION 3 | DRIVING THE TRANSITION FROM FOSSIL FUELS

Hear from innovators pushing the boundaries on developing new fuels for the future. Hear from local projects and experts such as BORAL and TfA on developments in Australia.

**FACILITATOR | Larissa Rose, National Manager, below50Australia**

Just Biodiesel - Barnawartha Biodiesel - Driving regional jobs

**Simon Roycroft, Manager Future Fuels**

Sugarcane waste to biofuels and beer bottles

**Michael Vevera, Chief Financial Officer, Mercurius Biorefining Inc**

Creating a successful biofuels industry in Australia

**Keith Sharp, Engineering Manager, TfA Project Group**

Success in Gen I Biofuels will help drive success in Gen II biofuels

**Geoff Bell, Chief Executive Officer, Microbiogen**

BORAL Bio-Refinery - converting hardwood sawmill residues into Renewable Diesel and Bio-Bitumen

**Peter Robson, Hardwood Engineering Manager, Boral Timber**

**Panel Discussion**

3.45-4.00pm

**AFTERNOON TEA BREAK**

4.00-5.25pm

#### SESSION 4 | DECARBONISING THE GLOBAL GAS NETWORK

Capitalising on the moment and seizing the opportunity to grow a biogas economy in Australia this session will explore the projects and the potential in Australia and what we need in order to drive the industry forward with the presentation of the Biogas Opportunities for Australia report.

**FACILITATOR | Samantha Lamond, Chief Executive Officer, Energy 360 Pty Ltd**

Biogas Opportunities for Australia

**Mendo Kundevski, Principal, ENEA Consulting**

Innovation in Biosolid Management

**Johanna Johnson, Sustainable Projects Lead Water Infrastructure Planning, Logan City Council**

Global advances in Biogas - an insight from IEA Bioenergy Biogas task

**Bernadette McCabe, Principal Scientist, University of Southern Queensland's Centre for Agricultural Engineering**

US South Side LFG to RNG project

**Jeff Thong, Business Development Manager, Remote Energy at EDL**

**Panel Discussion**

**DAY 1 CLOSE**

5.25-6.25pm

**PRE AWARDS DRINKS ON TERRACE**

## THURSDAY 14TH NOVEMBER | DAY 2

### STATE LIBRARY OF QUEENSLAND

<b>8.45-9.00am</b>	<b>BEST POSTER AWARD AND PRESENTATION</b>
<b>9.00-10.55am</b>	<p><b>SESSION 5   INDUSTRIES LEADING THE WAY</b></p> <p>Some industries are accelerating the future bioeconomy. In this session hear about industries breaking the mould, driving progress and paving the path for mega trends in the sector.</p> <p><b>FACILITATOR   Dr John Hewson, Chair, Bioenergy Australia</b></p> <p>Biopolymers and their place in the Circular Economy <b>Rowan Williams, Regional Market Development Manager, BASF Australia Limited</b></p> <p>Bioenergy – The past, present and future of the Australian Pork Industry <b>Denise Woods, Manager - Business Development, Research and Innovation Australian Pork Limited</b></p> <p>The Aviation biojet fuel industry in the USA <b>Chris Tindal, Assistant Director Commercial Aviation Alternative Fuels Initiative (CAAFI)</b></p> <p>Wood pellet manufacturing in Australia &amp; the significant export market opportunities <b>Tony Esplin, Owner Pallet Collars Australia &amp; Co-Owner Recycling Technologies Group</b></p> <p><b>Panel Discussion</b></p>
<b>10.55-11.25am</b>	<b>MORNING TEA BREAK</b>
<b>11.25-12.55pm</b>	<p><b>SESSION 6   LEADERSHIP IN THE ENERGY TRANSITION</b></p> <p>This session will kick off by showcasing incredible international projects that are leading the way in the heat and electricity space. We will then look to Australia, showcasing organisations who are innovating and driving change locally.</p> <p><b>FACILITATOR   Dianne Glenn, Principal, Corelli Consulting</b></p> <p>Uptake of biomass boiler conversions in Regional Australia <b>Thomas Strang, Justsen Pacific</b></p> <p>Amager Bakke EfW &amp; Skiing facility Copenhagen <b>Inge Johansson, Researcher RISE Research Institutes of Sweden</b></p> <p>Canada leading the way in reducing emissions and adding value to forestry residues – Airex Biocoal case study <b>Sylvain Bertrand, Chief Executive Officer, Airex Energy</b></p> <p>Driving decarbonisation of the Gas network <b>Joshua Moran, Commercial Manager, Jemena</b></p> <p><b>Panel Discussion</b></p>
<b>12.55-1.55pm</b>	<b>LUNCH</b>

# PROGRAM



THURSDAY 14TH NOVEMBER | DAY 2

STATE LIBRARY OF QUEENSLAND

1.55-3.30pm

## SESSION 7 | POLICY LEADERSHIP SUPPORTING BIOECONOMIES

How are other countries developing policies and driving change? What are the lessons to be learnt? We hope you enjoy our diverse international perspectives in this session.

**FACILITATOR | Clare Blain, Chief Executive Officer, Life Sciences Queensland Limited**

The USA Bioeconomy

**Beau Hoffman, Bioenergy Technologies Office, U.S. Department of Energy**

South Africa embracing the potential bioeconomy

**Cristina Trois, Professor in Environmental Engineering, South African Research Chair in Waste and Climate Change (SARCHI)**

Swedens path to decarbonisation through Bioenergy

**Inge Johansson, Researcher, RISE Research Institutes of Sweden**

QLD Biofutures update

**Michael Burke, Director Biofutures Queensland, Department of State Development, Manufacturing, Infrastructure and Planning**

Regional Growth NSW - targeting new industries for NSW

**Brendan Nelson, Chief Executive Officer at Regional Growth NSW**

**Panel Discussion**

3.30-3.50pm

**AFTERNOON TEA BREAK**

3.50-5.00pm

## SESSION 8 | FINANCING THE FUTURE BIOECONOMY

Who is leading the way in financing projects and what do you need to access support. This session will respond to the question "How do we finance the future Bio economy?"

**FACILITATOR | Mac Irvine, Associate Director, Clean Energy Finance Corporation**

**Lily McManus, Investment Manager at Foresight Group**

**Jeremy Hasnip, Deputy General Manager and Head of Power & Renewables, Project Finance Australia at Sumitomo Mitsui Banking**

**Brett Cohen, Director, Power & Infrastructure Finance at Investec Australia Limited**

**Jevon Carding, Investment Manager, Lighthouse Infrastructure**

**Alex Grant, Manager | Business Development & Transactions at Australian Renewable Energy Agency (ARENA)**

**Daniel Burrows, Division Director, Macquarie Group**

**CONFERENCE WRAP UP**

**Shahana Mckenzie, Chief Executive Officer, Bioenergy Australia**

5.00pm

**EVENT CONCLUDES**

## TUESDAY 12TH NOVEMBER | RESEARCH SUMMIT

ROOM THREE SIXTY | QUEENSLAND UNIVERSITY OF TECHNOLOGY

<b>11.45am</b>	<b>REGISTRATION</b>
<b>12.10pm</b>	<b>WELCOME</b>
<b>12.15-1.30pm</b>	<p><b>SESSION 1</b></p> <p>Enabling the circular economy: recycling phosphorus as next-generation fertilisers  <b>Susanne Schmidt</b></p> <p>Using a spatial constraint, resource supply model and an adaptive capacity index to identify feasible locations for hybrid biomass systems in NSW  <b>Nick Florin</b></p> <p>The impact of biomass for 100 % renewable energy grids in Australia  <b>Mengyu Li</b></p> <p>Is it feasible to use biomass in NSW for grid-scale electricity generation?  <b>Fabiano Ximenes</b></p> <p><b>Panel Discussion</b></p>
<b>1.30-2.45pm</b>	<p><b>SESSION 2</b></p> <p>Catalyst Development for Production of Renewable Natural Gas from Biomass  <b>Robert Cattolica</b></p> <p>Beauty leaf tree – a highly potential native species for 2nd generation biofuel production from waste lands  <b>Nanjappa Ashwath</b></p> <p>Technical and commercial readiness of different hybrid concentrated solar and biomass systems for electricity generation in Australia  <b>Ella Middelhoff</b></p> <p>Reinventing sugarcane as a feedstock for the bioeconomy  <b>Robert Henry</b></p> <p><b>Panel Discussion</b></p>
<b>2.45-3.00pm</b>	<b>AFTERNOON TEA BREAK</b>
<b>3.00-4.00pm</b>	<p><b>SESSION 3</b></p> <p>Nutritive and Health-promoting Foods from Centers of Australian and Global Biodiversity  <b>Michael Rychlik</b></p> <p>Bioplastics – Market, Research, Limits  <b>Nuse Lack</b></p> <p>Bioplastics – Sustainable and a building block of the circular economy?  <b>Sebastian Spierling</b></p> <p>Enzymes for Engineering the Bioeconomy  <b>Volker Sieber</b></p>
<b>4.00-4.30pm</b>	<b>NETWORKING &amp; POSTER VIEWING</b>
<b>4.30pm</b>	<b>EVENT CONCLUDES</b>

## WEDNESDAY 13TH NOVEMBER | BIOENERGY INNOVATION AWARDS

### STATE LIBRARY OF QUEENSLAND

<b>5.25-6.25pm</b>	<b>PRE AWARDS DRINKS</b> State Library of QLD   Terrace
<b>6.30-10.30pm</b>	<p><b>PRESENTATION OF BIOENERGY INNOVATION AWARDS</b> State Library of QLD   Auditorium</p> <p>The Awards Evening on Wednesday 13th November will commence at 5.30pm at the State Library with a Pre-Awards Cocktail Reception featuring a selection of canapés and beverages on the Queensland Terrace followed by the Official Awards Ceremony at 6.30pm in the Auditorium.</p> <p>Following the Official Awards Ceremony guests are invited to continue the celebration in the Watermall and Sculpture Courtyard at the Queensland Art Gallery from 7.30pm - 10.30pm. Guests will get to enjoy a delicious menu of substantial canapés with ingredients from Meredith Dairy that are environmentally, socially and economically sustainable.</p> <p>Don't miss out book your ticket to the Bioenergy Innovation Awards Evening <a href="#">here</a>.</p>

## FRIDAY 15TH NOVEMBER | BIOENERGY SITE VISITS

### TOUR OF 3 DIFFERENT AND UNIQUE LOCAL BIOENERGY SITES

<b>7.45am</b>	<b>REGISTRATION AND DELEGATE ARRIVAL</b>
<b>8.00am</b>	<p><b>Bus departs from the State Library of Queensland</b></p> <p><b>Site 1 - Pearl Global</b>  <b>Site 2 - Trisco Foods</b>  <b>Site 3 - QUU Luggage Point Resource Recovery Centre</b></p>
<b>1.00pm</b>	<b>Bus returns to the State Library of Queensland</b>