



# RIRDC R&D Update

- PISC Bioenergy National RD&E Strategy
- RIRDC Strategic Planning
- RIRDC Bioenergy Programs review
- Cost Benefit Analysis of RIRDC Bioenergy Programs





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# Bioenergy National RD&E Strategy

- Completed and being presented to the PISC tomorrow
- Endorsed by all states, CSIRO, universities, relevant Federal agencies and RDC's, and industry (Bioenergy Australia)
- Primary Industries focus



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## Vision

*That Australian primary industries benefit from the growth of a local bioenergy sector that profitably and sustainably contributes to the mitigation of climate change and long term risks of Australian energy security.*



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# R, D and E Priorities

- Sustainability
- Feedstocks
- Supply logistics
- Policy analysis
- Outreach, capacity building and networking

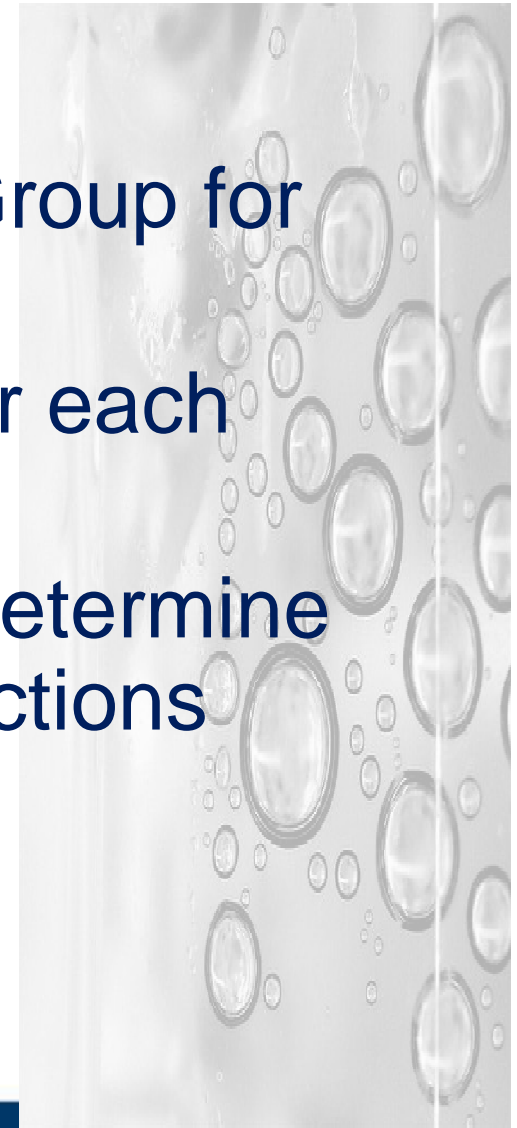


RIRDC *Shaping the future*



# Actions

- Significant gaps in knowledge
- Establish a Technical Working Group for each priority area
- Set up a RD&E work program for each priority area
- These work programs will help determine coordination and collaboration actions





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# Proposed coordination mechanism

- Australian Bioenergy RD&E Forum
- Coordinated and support by RIRDC





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# Australian Bioenergy RD&E Forum TOR

- National coordination of RD&E among primary industry stakeholders, research providers, funders, industry and government agencies.
- Collaboration and knowledge sharing to achieve greater efficiencies.
- Oversee Technical Working Groups



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- Coordinate interaction with the other sector and cross-sector National RD&E Strategies.
- Examine opportunities for international collaborations and innovation sharing that will benefit the Australian bioenergy industry.



# Forum membership

- Voluntary and self funded
- States
- CSIRO
- Universities
- DAFF
- ARC
- ACRE/DRET
- DIISR
- Bioenergy Australia
- Biofuels Association
- Clean Energy Council
- RIRDC





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# Next steps

- PIMC November
- Negotiate representation Forum  
December
- First meeting March 2012





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# RIRDC Strategic Planning

- Developing RIRDC Corporate Plan 2012-2017
- Reviewing a number of program areas to inform the RIRDC Plan



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# Bioenergy, Bioproducts and Energy program review

- Bruce Godfrey
- RIRDC has played a lead role, particularly in the feedstocks area.
- Recommends
  - Manage current investments to successful conclusions
  - RIRDC take a leadership role for primary industry involvement in the bioenergy supply chain



- RIRDC investment focused on communications and extension
- Trusted source of information for Primary industry stakeholders interested in entering this new industry.
- Info will be drawn from national, international R&D, and commercial efforts.



# Methane to Markets

- Finishing at the end of this year
- Recommends that a meta-analysis of all demonstrations and research is undertaken to determine
  - Lessons learned
  - What else needs to be done



# Cost benefit analysis

- RIRDC Bioenergy programs
  - Agtrans (Peter Chudleigh)
  - On RIRDC website soon
  - RIRDC do 3 per year
  - Part of wider RDC evaluation to demonstrate value of R&D to industries



## Method

- 3 projects were chosen
  - Feasibility of Agave
  - Biogas production, Bears Lagoon
  - Bioenergy Australia, contribution to IEA Bioenergy
- All related projects were taken into consideration



# Results

- All 3 had significant economic, environmental and social benefits
- Final benefit- cost ratio
  - Agave 3.94 to 1
  - Biogas 3.99 to 1
  - IEA Bioenergy 7.07 to 1