



GISERA | Gas Industry Social and Environmental Research Alliance

Minutes of the WA Research Advisory Committee Meeting No. 3 held via video on Monday, 20 November 2023

OPENING

The meeting of the CSIRO GISERA WA Research Advisory Committee (RAC) was called to order at 10.38 am (AWST) on Monday, 20 November 2023.

PRESENT

Damian Barrett:	GISERA Director (CSIRO)
Trevor Whittington	CEO (WA Farmers) and Chairman (Wines of Western Australia)
Kadambot Siddique	Hackett Professor of Agriculture Chair and Director, Institute of Agriculture (UWA)
Jeffrey Haworth	Independent representative retired (formerly WA DMIRS)
Deidre Brooks	Manager Energy Geoscience, Geological Survey & Resource Strategy (WA DMIRS)

Other participants:

Linda Stalker:	GISERA WA State Leader (CSIRO)
Jizelle Khoury:	GISERA Executive Officer (CSIRO)
Melina Gillespie:	GISERA Communication & Stakeholder Engagement Manager (CSIRO)

Apologies:

Nil

1. WELCOME, APOLOGIES AND ADOPTION OF AGENDA

The GISERA Director welcomed all members to the meeting.

ITEMS FOR DISCUSSION

2. PROJECT PROPOSAL

Assessment of potential conflicts of subsurface resources development in the North Perth Basin

The GISERA Director provided a summary of the project proposal.

Key points raised:

- The Geological Survey of Western Australia (GSWA) are currently undertaking a CO₂ storage atlas of WA. This is an update and expansion for the last 10+ years which includes a refresh of geological data, temperature data fields and regional depth mapping of each reservoir. GSWA could have Perth Basin maps released before the GISERA project commences in March 2024 if required. CSIRO should reach out to GSWA to discuss what data would be useful as GSWA may be able to prioritise compilation of that information. Some data has already started to be released through the Western Australian Petroleum and Geothermal Information Management System (WAPIMS).
- Both the long and short project titles should include 'subsurface'.
- The proposal to note the Alkimos Seawater Desalination Plant (100 billion litres of water) that is being built by Water Corporation if it will affect the mid-west and a plan for a desalination plant (hydrogen generation) at Oakajee.
- The proposal needs to clearly articulate what the research will not include e.g., national parks, agriculture, renewable energy and cultural issues.
- It would be worthwhile contacting the head of agricultural research (Principal Research Scientist, Irrigated Agriculture Directorate) at the Department of Primary Industries and Regional Development (DPIRD) for useful information and data.
- The WA Department of Mines, Industry, Regulation and Safety (DMIRS) are listed for the project's Technical Reference Group (TRG) and the Team Leader - Infrastructure and Special Projects, DMIRS has done a lot of work in the North Perth Basin and should be approached to participate on the TRG.

Outcome: The WA RAC approved this project, subject to the actions below being addressed to the satisfaction of the GISERA Director.

Action: The research proponent to contact GSWA about the CO₂ storage atlas to determine what data would be useful to the GISERA project.

Action: The research proponent to include 'subsurface' in the short project title.

Action: The research proponent to note the Alkimos Seawater Desalination Plant and the planned plant at Oakajee.

Action: The research proponent to include a paragraph that clearly articulates what the project will not include.

Action: The research proponent to contact head of agricultural research at DPIRD for any useful information.

Action: The research proponent to invite the Team Leader - Infrastructure and Special Projects, DMIRS on the TRG.

3. PROJECT PROPOSAL

Establishing Baseline Groundwater and Natural Seismicity levels across the northern Perth Basin with Passive Seismic Data

The GISERA Director provided a summary of the project proposal.

Key points raised:

- For useful information and data, it would be worthwhile contacting:
 - the head of agricultural research (Principal Research Scientist. Irrigated Agriculture Directorate) at the Department of Primary Industries and Regional Development (DPIRD) for information and data.
 - the Hydrogeologist Adjunct Professor, School of Earth and Environment, University of Western Australia
- ‘Gas injection and extraction, and CO₂ injection’ should be added to page 11 where it states, ‘Induced seismicity typically refers to earthquakes caused by human activities such as hydraulic fracking, geothermal energy production, and mining.’

Outcome: The WA RAC approved this project, subject to the actions below being addressed to the satisfaction of the GISERA Director.

Action: The research proponent to contact head of agricultural research at DPIRD and the Hydrogeologist at School of Earth and Environment UWA for any useful information.

Action: The research proponent to add ‘Gas injection and extraction, and CO₂ injection’ to page 11 of proposal.

4. GISERA COMMUNICATIONS

The GISERA Communication and Stakeholder Engagement Leader provided an overview of the types of stakeholder engagement activities and communication tools developed to supplement

the research being undertaken in GISERA. It was noted that all communication materials are available for viewing on the GISERA website.

ITEMS FOR NOTING OR DISCUSSION BY EXCEPTION

5. OTHER BUSINESS

5.1 Communicating GISERA research results

- The importance of communicating the project results to the WA Government was noted.
- The Grower Group Alliance (GGA) in WA (run through DPIRD) is a good platform to communicate GISERA research results to a wide network of farmers. CSIRO to contact GGA about providing previous and future research results and communication collateral that could be passed on to their farmer network.

Action: The GISERA Communication & Stakeholder Engagement Manager to contact GGA to provide information to be passed on to their network of farmers.

NEXT MEETING

The next meeting of the WA Research Advisory Committee is yet to be scheduled. It is anticipated that a meeting will occur once further proposals are established.

MEETING CLOSE

The meeting closed at 12.00 noon (AWST).

SUMMARY OF ACTIONS FROM GISERA WA RAC MEETING #3 – 20 NOVEMBER 2023

Agenda Item	Action
20-11-23 Item 2	The research proponent to contact GSWA about the CO2 storage atlas to determine what data would be useful to the GISERA project.
20-11-23 Item 2	The research proponent to include 'subsurface' in the short project title.
20-11-23 Item 2	The research proponent to note the Alkimos Seawater Desalination Plant and the planned plant at Oakajee.
20-11-23 Item 2	The research proponent to include a paragraph that clearly articulates what the project will not include.
20-11-23 Item 2	The research proponent to contact head of agricultural research at DPIRD for any useful information.
20-11-23 Item 2	The research proponent to invite the Team Leader - Infrastructure and Special Projects, DMIRS on the TRG.
20-11-23 Item 3	The research proponent to contact head of agricultural research at DPIRD and the Hydrogeologist at School of Earth and Environment UWA for any useful information.
20-11-23 Item 3	The research proponent to add 'Gas injection and extraction, and CO2 injection' to page 11 of proposal.
20-11-23 Item 5	The GISERA Communication & Stakeholder Engagement Manager to contact GGA to provide information to be passed on to their network of farmers.