



GISERA | Gas Industry Social and Environmental Research Alliance

Minutes of the Queensland Research Advisory Committee Meeting No. 15 held via Webex on Thursday, 15 June 2023

OPENING

The meeting of the CSIRO GISERA Queensland Research Advisory Committee (RAC) was called to order at 9.33 am (AEST) on Thursday, 15 June 2023.

PRESENT

Damian Barrett: GISERA Director (CSIRO)
Tom Measham: Research Director (CRC for Transformations in Mining Economies, UQ)
Trish Ledington-Hill: Health Care Sector, Southern Rural Queensland
Sanjeev Pandey: Executive Director, OGIA (QLD RDMW)
Campbell Noble: HSE Manager (Australia Pacific LNG)
Brett Pidgeon: Geologist (Origin) - for Thomas Flottmann

Other participants:

Cameron Huddlestone-Holmes: GISERA NT State Leader (CSIRO)
Jizelle Khoury: GISERA Executive Officer (CSIRO)
Melina Gillespie: GISERA Communication & Stakeholder Engagement Leader (CSIRO)

Apologies:

Thomas Flottmann: Origin Chief Geoscientist (Origin Energy)
Andrew Drysdale: Managing Director (Alsajad Natural Research Management)

1. WELCOME, APOLOGIES AND ADOPTION OF AGENDA

The GISERA Director welcomed all members to the meeting including new member Campbell Noble. It was noted that with the sale of assets in the Northern Territory, Origin Energy will now redirect their GISERA membership contribution to Queensland with Brett Pidgeon standing in for Thomas Flottmann.

Apologies were received from Andrew Drysdale and Thomas Flottmann.

The agenda was unanimously approved as distributed.

ITEMS FOR DISCUSSION

2. GISERA COMMUNICATIONS

Under the current GISERA Alliance, 3 full-time CSIRO positions had been created to focus on GISERA communications and engagement. One of those positions has become vacant and is being advertised.

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 material were available for viewing on the GISERA website.

3. ACTIONS FROM PREVIOUS MEETING

All previous actions have now been closed.

4. PROJECT PROPOSAL

Addressing knowledge gaps on key controls or contributors to methane emissions from CSG water holding ponds in the Surat Basin, Queensland

The GISERA Director provided a summary of the project proposal.

Key points raised:

- The previous GISERA phase 1 desktop study 'Methane contributions from CSG water holding ponds' is currently going through a peer review process.
- The project technical reference group will only require a single representative for Shell/QGC.
- It was unclear in the current version of the proposal whether the two workshops will be held in conjunction with the other phase 2 project workshops.
- The task 6 title on page 20 requires adjustment to read 'Communicate findings to stakeholders'.
- Input from Sanjeev Pandey and Andrew Drysdale will be sought out of session.

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

Action: The research proponent to revise the composition of the technical reference group to include a single representative from Shell/QGC.

Action: The research proponent to make explicit that the two project workshops will be held in conjunction with the other phase 2 project workshops.

Action: The research proponent to update the task 6 title on page 20 to read 'Communicate findings to stakeholders'.

Action: The GISERA Executive Officer to invite Sanjeev Pandey and Andrew Drysdale to provide any additional comments out of session.

Sanjeev Pandey joined the meeting at 10.51 am (AEST).

5. PROJECT PROPOSAL

Comprehensive survey of methane emissions from CSG water holdings ponds in the Surat Basin

The GISERA Director provided a summary of the project proposal.

Key points raised:

- The project technical reference group will only require a single representative for Shell/QGC.
- The team to endeavour to sample ponds from more than one company, however this will be dependent on the outcome of discussions with the technical reference group.
- Following pond selection, FLIR will be used to determine potential methane hot spots within the pond. It is important to note that regardless of whether hot spots are identified, measurements will still be undertaken by CRDS.
- It was unclear in the current version of the proposal whether the two workshops will be held in conjunction with the other phase 2 project workshops.
- Sanjeev Pandey will consult with DES to get their views on research proposal.
- Input from Andrew Drysdale will be sought out of session.

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

Action: The research proponent to revise the composition of the technical reference group to include a single representative from Shell/QGC.

Action: The research proponent to make explicit in the proposal that following use of FLIR, CRDS measurements will be conducted irrespective of whether hot spots are identified.

Action: The research proponent to make explicit that the two project workshops will be held in conjunction with the other phase 2 project workshops.

Action: The GISERA Executive Officer will invite Andrew Drysdale to provide any additional comments of out session.

6. PROJECT PROPOSAL

Using carbon and hydrogen isotopes to fingerprint sources of methane emissions from the Western Downs Region in the Surat Basin, Queensland

The GISERA Director provided a summary of the project proposal.

Key points raised:

- As this technology is novel, it will be important to manage the risks (for deliverability) and to ensure the equipment performs to specification. The proposal should include some indication around the specifications of the technique that gives reassurance that it will be able to resolve the isotopic differences that are required. The proposal should also acknowledge that use of the new technology is a potential risk, but is a low risk given its previous commercial use.
- OGIA are working in the Darling Downs, particularly in relation to subsidence and have been communicating with several landholder groups as part of that work. There is an opportunity for CSIRO use this platform to present information on this GISERA research project which will enable provision of a more complete set of information to community.
- The task 4 detailed description on page 18, should include a fourth output/deliverable 'Provide 6 monthly progress updates to GISERA office'.
- Input from Andrew Drysdale will be sought out of session.

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

Action: The research proponent to include specifications around the technique and acknowledgement of the risk associated with use of the technology.

Action: The research proponent to update the task 4 description on page 18 to include a fourth output/deliverable 'Provide 6 monthly progress updates to GISERA office'.

Action: The GISERA Executive Officer will invite Andrew Drysdale to provide any additional comments out of session.

ITEMS FOR NOTING OR DISCUSSION BY EXCEPTION

7. OTHER BUSINESS

7.1 Future research ideas for further discussion

- Land holders around Chinchilla are reporting increased gas emissions in the Hutton Sandstone (below the CSG operations target formation). Determining the origin and source of these methane emissions will be important and further discussions with OGIA and UQ are warranted to determine if this could be developed into a GISERA research proposal.
- Developing techniques with some rapid monitoring of methane
- From an industry perspective, there is interest the body of knowledge around GHG/methane – any information for compliance and target obligations / regulatory requirements.

Action: The GISERA QLD State Leader and Executive Officer to arrange a meeting with OGIA and UQ to discuss a possible project to determine source of emissions in Hutton Sandstone and developing techniques for repaid monitoring.

Action: CSIRO to continue to provide information to State Government and industry stakeholders on information derived from GHG/methane measurements undertaken as part of CSIRO GISERA research in the Surat Basin.

NEXT MEETING

The next meeting of the QLD 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 12.34 pm (AEST).

SUMMARY OF ACTIONS FROM GISERA QLD RAC MEETING #15 – 15 JUNE 2023

Agenda Item	Action
15-06-23 Item 4	The research proponent to revise the composition of the technical reference group to include a single representative from Shell/QGC.
15-06-23 Item 4	The research proponent to make explicit that the two project workshops will be held in conjunction with the other phase 2 project workshops.
15-06-23 Item 4	The research proponent to update the task 6 title on page 20 to read 'Communicate findings to stakeholders'.

Agenda Item	Action
15-06-23 Item 4	The GISERA Executive Officer to invite Sanjeev Pandey and Andrew Drysdale to provide any additional comments out of session.
15-06-23 Item 5	The research proponent to revise the composition of the technical reference group to include a single representative from Shell/QGC.
15-06-23 Item 5	The research proponent to make explicit in the proposal that following use of FLIR, CRDS measurements will be conducted irrespective of whether hot spots are identified.
15-06-23 Item 5	The research proponent to make explicit that the two project workshops will be held in conjunction with the other phase 2 project workshops.
15-06-23 Item 5	The GISERA Executive Officer will invite Andrew Drysdale to provide any additional comments of out session.
15-06-23 Item 6	The research proponent to include specifications around the technique and acknowledgement of the risk associated with use of the technology.
15-06-23 Item 6	The research proponent to update the task 4 description on page 18 to include a fourth output/deliverable 'Provide 6 monthly progress updates to GISERA office'.
15-06-23 Item 6	The GISERA Executive Officer will invite Andrew Drysdale to provide any additional comments out of session.
15-06-23 Item 7	The GISERA QLD State Leader and Executive Officer to arrange a meeting with OGIA and UQ to discuss a possible project to determine source of emissions in Hutton Sandstone and developing techniques for repaid monitoring.
15-06-23 Item 7	CSIRO to continue to provide information to State Government and industry stakeholders on information derived from GHG/methane measurements undertaken as part of CSIRO GISERA research in the Surat Basin.