



GISERA Communique

12 August 2019

National Research Management Committee

CSIRO's GISERA National Research Management Committee (NRMCM) held its thirteenth meeting on 12 August 2019 at CSIRO offices at Dutton Park, Brisbane and via teleconference. The GISERA Director welcomed all participants.

The GISERA Director noted that GISERA now operates in four regions of Australia, with 54 projects (37 completed).

NSW update

The NSW RRAC met in June 2019 and approved the following projects:

- Assessing and projecting on-shore gas effects on regional economic activity in NSW.
- Assessment of faults as potential connectivity pathways in NSW.
- Monitoring changes in community wellbeing and local attitudes to CSG development in Narrabri, NSW. (This project proceeding is contingent on the construction phase of gas development in the Narrabri Shire commencing by 30 March 2020, if approved).

Improving groundwater models to better represent coal seam gas extraction impacts in the Namoi region project was completed and released the final report in June 2019.

QLD update

The Ambient air quality, Surat Basin, Queensland project was completed in June 2019 following the release of a modelling report.

Whole of life cycle GHG assessment of exploitation of Surat Basin gas reserve: global benefits and risks project was completed in June 2019.

Delays in obtaining industry data have resulted in a delay for the Potential health impacts from CSG project.

Air, water and soil impacts of hydraulic fracturing (phase 2) project will be completed in the coming quarter.

SA update

Research is progressing with two projects due for completion in the coming quarter.

NT update

The wet season survey report from the Baseline measurement and monitoring of methane emissions in the Beetaloo Sub-basin project was released. The knowledge transfer session was held on 9 August 2019 and the final report will be released in the coming month.



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The NT RRAC meeting on 12 April 2019 approved the following projects:

- Characterisation of the stygofauna and microbial assemblages of the Beetaloo Sub-basin, NT
- Environmental monitoring and microbial degradation of onshore shale gas activity chemicals and fluids.

The NT RRAC meeting on 12 August 2019 approved the following projects:

- Approaches for long term monitoring of decommissioned petroleum wells
- Mitigating fugitive gas emissions from well casings.

In the NT, there is interest in emissions and the development of a project around scenarios and potential offsets. This will not be a life-cycle assessment project because exploration and development are still at early stages.

Engagement

The GISERA Director noted 40 engagements occurred between April to June 2019, with the majority of these taking place in Queensland and nationally.

A joint knowledge transfer session for Methane seepage in the Surat Basin and Whole of life cycle greenhouse gas assessment projects was held on 27 June 2019 in Brisbane. Communications activities to support this research included a video animation, factsheet and the posting of links on social media.

Several media interviews were conducted as part of the release of the LCA work which resulted in clear messaging of the science.

Technical advice was provided to the Queensland Audit Office to assist in their auditing duties.

CSIRO researchers presented to the Queensland Department of Natural Resources and Mines (DNRM) on the Community Wellbeing Survey 3 research.

Information was provided to Queensland GasFields Commission which resulted social media posts about the GISERA Community Wellbeing Survey 3 factsheets.

Ongoing briefings were provided to the Commonwealth Government and Queensland DRNM updating on greenhouse gas emissions work.