



Australia's National
Science Agency

GISERA | Gas Industry Social and Environmental Research Alliance

Progress report

Understanding controls and constraints of potential
microbially induced corrosion in onshore gas wells



Progress against project milestones

Progress against milestones/tasks are approved by the GISERA Director, acting with authority in accordance with the [GISERA Alliance Agreement](#).

Progress against project milestones/tasks is indicated by two methods: [Traffic light reports](#) and descriptive [Project schedule reports](#).

1. Traffic light reports in the Project Schedule Table below show progress using a simple colour code:

- **Green:**

- Milestone fully met according to schedule.
- Project is expected to continue to deliver according to plan.
- Milestone payment is approved.

- **Amber:**

- Milestone largely met according to schedule.
- Project has experienced delays or difficulties that will be overcome by next milestone, enabling project to return to delivery according to plan by next milestone.
- Milestone payment is withheld.
- Milestone payment withheld for second of two successive amber lights; project review initiated and undertaken by GISERA Director.

- **Red:**

- Milestone not met according to schedule.
- Problems in meeting milestone are likely to impact subsequent project delivery, such that revisions to project timing, scope or budget must be considered.
- Milestone payment is withheld.
- Project review initiated by GISERA Director.

2. Progress Schedule Reports outline task objectives and outputs and describe, in the 'progress report' section, the means and extent to which progress towards tasks has been made.

Project schedule table

TASK NUMBER	TASK DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	COMMENT
1	Sampling logistics and planning	1 Jul 2024	31 Aug 2024	This will be completed in November 2024
2	Sampling campaign	1 Sept 2024	30 Nov 2024	
3	Water chemistry analyses	1 Dec 2024	31 Dec 2024	
4	Microbial community profiling	1 Nov 2024	31 Mar 2025	
5	RNA sequencing for microbial activity	1 Nov 2024	31 Mar 2025	
6	Project management, data analysis and reporting	1 Jul 2024	30 Apr 2025	
7	Communicate findings to stakeholders	1 Jul 2024	30 Apr 2025	

Project schedule report

TASK 1: Sampling logistics and planning

BACKGROUND

The project's TRG and other industry contacts will be consulted to guide the sampling campaign to ensure that appropriate and representative water and swab samples are collected from onshore gas-related, agricultural and domestic bores/wells/infrastructure. Preparation of sampling equipment and reagents, and subsequent transport to sampling region. This task may include travel to the region to liaise with onsite contacts in industry, government and local stakeholders.

TASK OBJECTIVES

Identification of sites for water and swab sampling to ensure adequate representative samples from the south central Queensland region.

TASK OUTPUTS AND SPECIFIC DELIVERABLES:

This task will yield a series of documents describing the contacts, sampling sites, relevant permissions, sampling equipment and OH&S considerations for the sampling campaign.

PROGRESS REPORT

This task is partially complete.

Stakeholders have been identified for samples from the region including various commercial, domestic and agricultural sources. Numerous major CSG producers have been contacted and presentations given to these stakeholders regarding sampling requirements and methods. Industry have agreed to sampling, though dates remain unknown at this point in time due to industry-related operational reasons

This task will be completed November 2024.

Variations to Project Order

Changes to research Project Orders are approved by the GISERA Director, acting with authority, in accordance with the [GISERA Alliance Agreement](#). Any variations above the GISERA Director's delegation require the approval of the relevant GISERA Research Advisory Committee.

The table below details variations to research Project Order.

Register of changes to Research Project Order

DATE	ISSUE	ACTION	AUTHORISATION

As Australia's national science agency and innovation catalyst, CSIRO is solving the greatest challenges through innovative science and technology.

CSIRO. Unlocking a better future for everyone.

Contact us

1300 363 400
+61 3 9545 2176
csiro.au/contact
csiro.au

For further information

1300 363 400
gisera.csiro.au

GISERA is a collaboration between CSIRO, Commonwealth and state governments and industry established to undertake publicly-reported independent research. The purpose of GISERA is to provide quality assured scientific research and information to communities living in gas development regions focusing on social and environmental topics including: groundwater and surface water, greenhouse gas emissions, biodiversity, land management, the marine environment, and socio-economic impacts. The governance structure for GISERA is designed to provide for and protect research independence and transparency of research.