

Formstack Submission For: [CRIN Matchmaking support](#)

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Are you a member of CRIN?: Yes

1. What type of organization are you looking to be matched with?: Oil and gas producer

2. Please provide a brief description of your organization:

Website: www.atmos2050.com - Atmos2050 helps operators and investors identify opportunities and manage risks associated with producing oil and gas resources as countries and companies embark on decarbonization pathways. At our foundation we collate operational emissions data across the E&P sector to inform analytical processes and generate insights. Energy transition and sustainability are investment priorities taking the center stage in directing the deployment of capital. This increased focus on climate and sustainability means oil and gas producers are now expected to demonstrate sustainability metrics such as emissions and water impact alongside financial performance. As global hydrocarbon demand peaks, it is expected that markets will increasingly favor supply from the most sustainable and lowest emissions resources. Atmos2050 provides a lens for understand the emissions intensity of oil and gas production to facilitate informed decision making.

3. Please provide a brief description of your proposed project:

Industry requires a holistic approach to accurately compare emissions across different upstream production sources which

is currently not possible at the field and asset level. Significant variation in emissions intensity results from reservoir characteristics, field development decisions, infrastructure, and proximity to markets. Atmos2050's emissions platform, securely aggregates operator's data which is then assessed via our analytical systems using different statistical and artificial intelligence technologies to characterize emissions intensity of different asset classes. Enabling accurate benchmarking to identify areas of opportunities, set KPIs, forecast asset level emission and provide comparable reference for reporting and compliance.

5. Which focus area(s) are you looking to address or collaborate on?:

Environmental monitoring
Operational excellence and efficiency
Capital project execution

6. Briefly describe what type of support you need from a producer partner (e.g. field test site, technical expertise, resources etc.):

Looking for a collaborative operator who shares a common vision and is able to provide: - Historical asset data - Access to in-house technical resources to understand data nuances - Milestone based project funding

7. Briefly describe the skills and services you are able to offer as a partner/collaborator :

A proven approach to establishing reservoir/field analogues and experience developing upstream emissions models. Our team has extensive experience across the upstream asset lifecycle and is composed of data scientists, field development and process engineers.

8. What test or research is required to most cost effectively reduce technical or economic uncertainty and/or prove important features/benefits of your technology?:

The team has run a proof of concept on AER flare data and international drilling data. Establishing ground truth is crucial, technical project risk can be further reduced by validating approach and model outputs against different producers

9. Have you already connected with, pitched to, or been introduced to any oil land gas producer partners regarding this project?:

Yes, we have recently approached two international organizations: ADNOC (June 2021) and OGCI (July 2021)

10. Is there any additional information you would like to share to assist us in matchmaking?:

Our approach and technology are agnostic to jurisdiction and scalable across the sector.

By registering my interest, I accept that the information submitted in this form will be used by the Clean Resource Innovation Network, and MaRS for the purpose of the CRIN Digital Oil and Gas Technology Competition, including the posting a project summary on the CRIN website for producers to view.:

Yes, I am interested in matchmaking support