



*a GTI Energy Methane
Emissions Measurement &
Verification Initiative*

Project Update, July 2022



WHAT ARE WE SOLVING FOR?

Transparent, consistent approach to measuring methane emissions



There are **gaps** in existing standards, which largely rely on emission factors

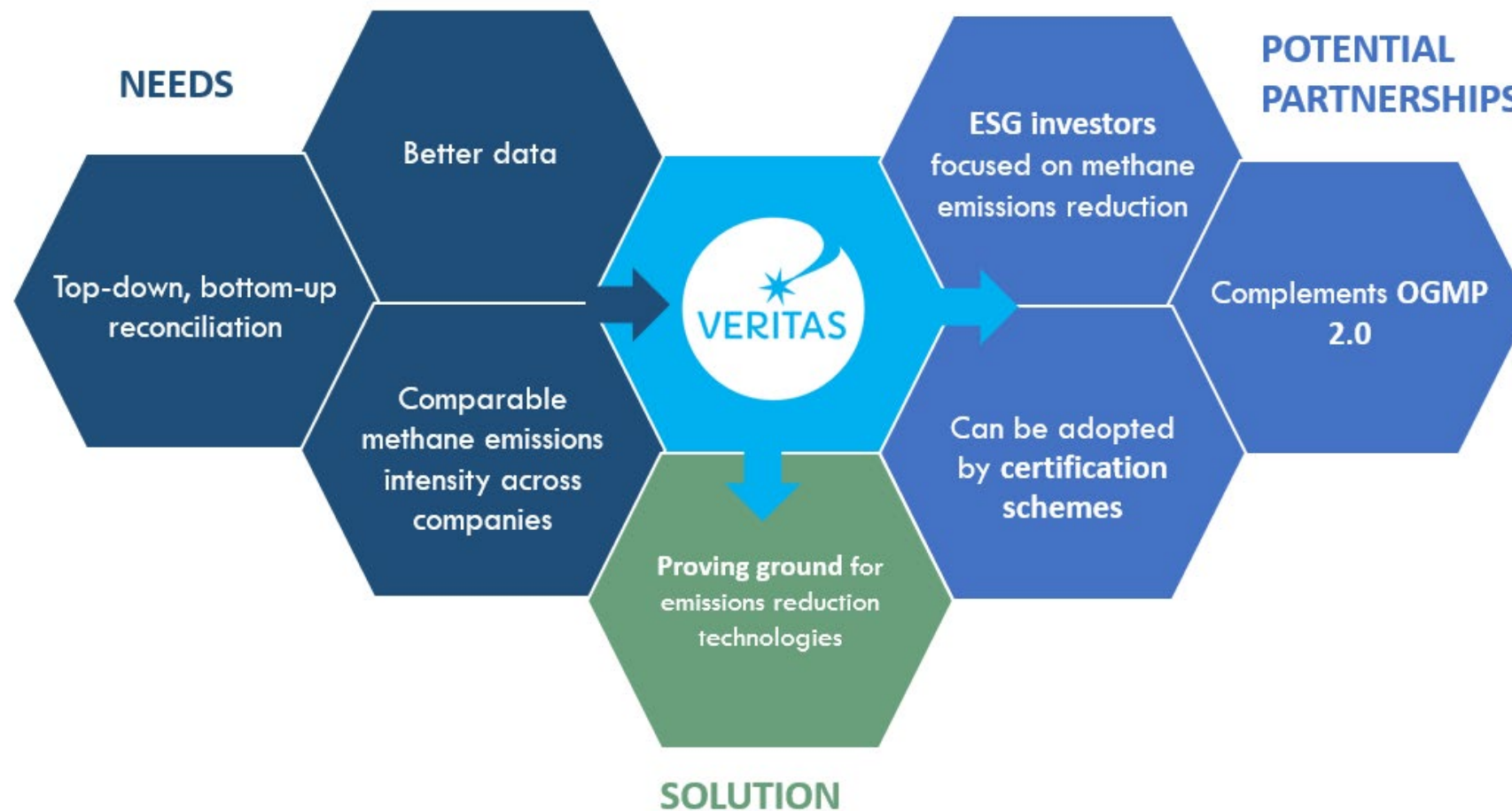
How do you **incorporate rapidly developing technologies**, which will accelerate emissions reductions, into a standard?

Currently, the market lacks a trusted methodology for assessing the effectiveness of those technologies and practices

How do you ensure that the methane intensities reported by companies are **credible, comparable, and consistently** assessed?

VERITAS – THE MISSING PIECE

Veritas is a standardized, science-based, technology-neutral, measurement-informed approach to calculating and reporting methane emissions



CLEARLY DEFINED GOALS

What Veritas Is, Is Not



Veritas WILL produce:

- **Methodology**
- **Technical protocols** for calculating methane emissions intensities across natural gas systems, by segment

Veritas will NOT:

- Create **source-specific** emission factors
- Set a **performance standard**
- Create **labeling** for differentiated gas
- Develop a **regulatory** strategy

WHAT IS VERITAS?



Veritas has five Technical Protocols

- **Methane Intensity:** Define methane intensities, by segment
- **Measurement:** Describe how to take measurements, by segment
- **Reconciliation:** Reconcile emission-factor inventories with actual measurements
- **Supply Chain Summation:** Add multiple segments to reach a total emissions intensity
- **Audit and Assurance:** Provide guidance for verifying emissions inventory

Veritas covers **six segments** of the natural gas supply chain:

- Production
- Gathering and boosting
- Processing
- Transmission and storage
- Distribution
- LNG

VERITAS STATUS



Sponsors: **23 organizations**



Expert panel has reviewed first drafts of measurement and reconciliation protocols



First draft protocols for all segments have been completed



18 Demonstration projects kicked off in March



On schedule to finalize the protocols by the **end of the year**



Vendor feedback period opened though to July

INITIATIVE SUPPORTERS





Companies and Demo Projects

Production	Gathering & Boosting	Processing	Transmission & Storage	Distribution	LNG

VERITAS TIMELINE

