



Methane and Fugitive Emissions Management – Innovative Strategies for Methane Detection, Mitigation, and Cost-Effective Solutions

29-30 SEPTEMBER 2025 | KUALA LUMPUR, MALAYSIA



GAIIA



GAIA in Brief

*: Eric Neumayer, LSE: Weak v Strong Sustainability

- A **non-hierarchical community** of dynamic technical professionals committed to the oil and gas industry and to living and operating within planetary boundaries.
- A **strategic event programming framework focused on STRONG SUSTAINABILITY** *to use for any SPE event anywhere
- An **emerging brand** – creation unity and aggregation so we can know if “we are doing enough, fast enough”
- A **bottom-up movement to smash the “sustainability glass floor”** [c] and thereby support operations & R&D in operationalizing the UN SDGs, the most comprehensive framework of sustainability performance areas.
- A **response to detractors** that earns “trust through technical knowledge”
- A space for **confident collective engagement** among diverse view holders
- A means to **showcase** the industry’s sustainability commitments through virtual and in person events





WHY

SPE Gaia Sustainability Program

Mission:

- Designed by SPE HSE & Sustainability discipline volunteers
- to accompany fellow SPE members in their transition toward the future where oil and gas is the center of a clean energy system
- With human-life and biodiversity thriving inside [planetary boundaries](#).

Who we are:

- Systems thinkers who think like activists but act like engineers.
- Shatter the sustainability glass floor
- Accelerate the operationalization of “strong” or “true” sustainability practices that respect planetary boundaries.

What we do:

- Create and enable programming which reaches inside and outside SPE and is designed to empower learning and agency
- masterclasses, study groups, workshops, conference panels, Gaia Talks on SPE Live, in SPE Sections and Regions, Sustainable Development Technical Section ; Methane Technical Section and the flagship event – the SPE annual international Gaia Summit.



WHY

SPE Gaia Sustainability Program

Planetary boundaries are nine ecological thresholds within Earth's systems that define a safe operating space for humanity.

Crossing these limits, such as climate change or biodiversity loss, could lead to irreversible environmental damage, threatening the stability of the planet





SPE Gaia Brand Hallmarks

- Oil and gas as the linchpin of the new energy system aligned with sustainable development
- Commitment to “strong” sustainability
- Knowledge sherpas in new disciplines
- Safe space to address daunting content and engage with internal and external experts including activists
- Planetary boundaries as context;
- 7 generation and systems thinking;
- Framing tough questions; re-scaling, aggregation, collaboration, new models, new knowledge;
- Non hierarchical,, agency building; knowledge sharing;
- Confident conditions to act our way into new thinking;
- Safe & experimental space to convene divergent views and sources of new expertise.





GAIA Program Themes



SPE Gaia Sustainability Program

Co-created in 2019
by SPE Members for
SPE members and
near members

Program Focus Themes



Transform the
Energy System



Enable People-
Centered
Transition



Measure what
Matters for
Action & Impact



Regenerate
Natural Capital

Enabling Behaviors



Engage and
Listen

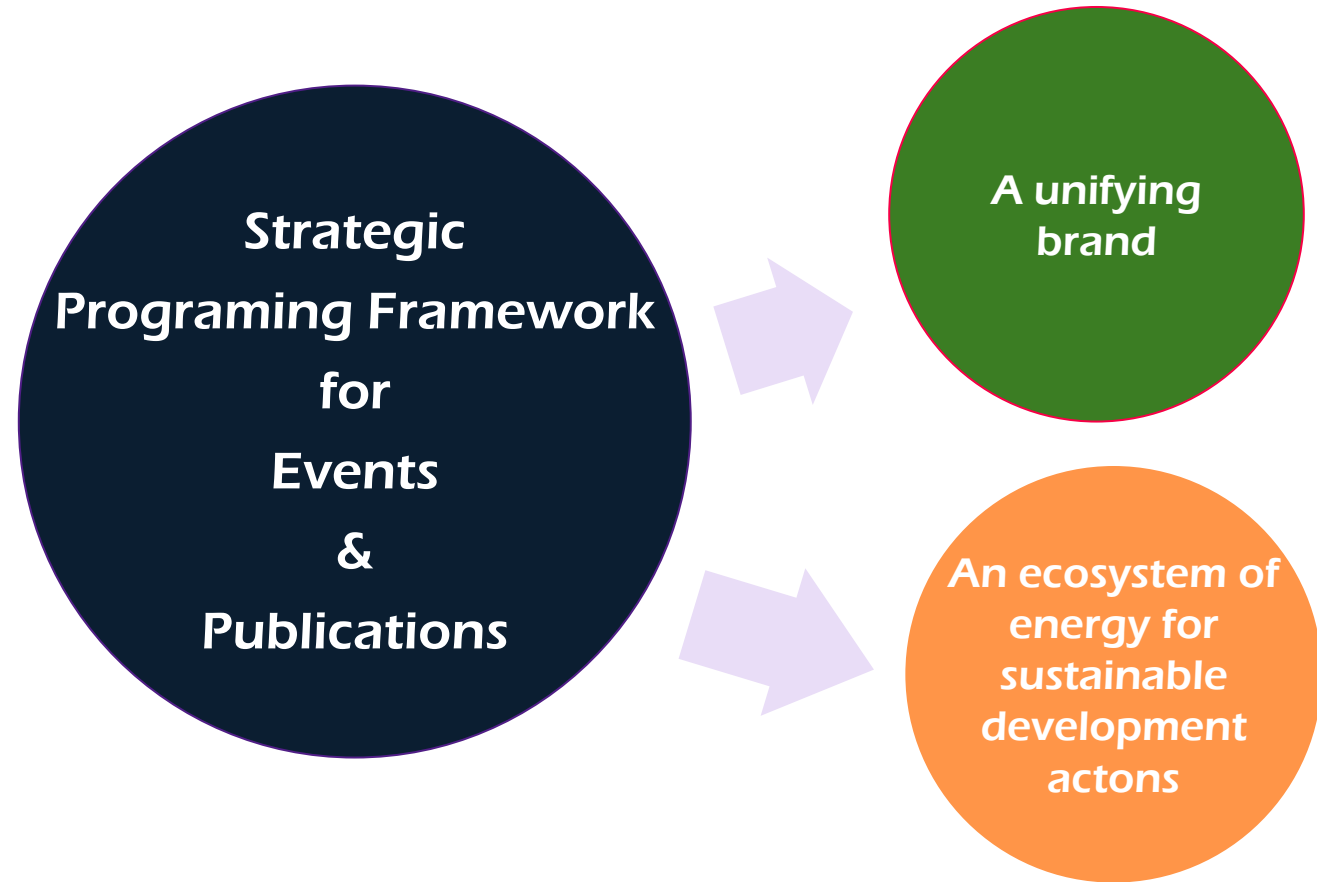


Collaborate
to Innovate





SPE Gaia Sustainability program was created by HSES discipline in 2019 to enable and empower all members who wish to engage in the alignment of the future of energy with sustainable development





GAIA Programming



SPE Gaia Sustainability Program

Co-created in 2019
by SPE Members for
SPE members and
near members



30 minute webinars on Zoom
or SPE Live with one
guest/one host
External experts in new
knowledge
Internal operationalizing
sustainability practices



90 minute, single or series,
panel or fireside, open
exchange on complex new
knowledge, safe space,
external and internal



Up to 100 invited
attendees focused on a
strategic theme and
move the needle goal



Gaia-enabled panels at SPE
events e.g. ATCE, EuropEC



2000 members & growing
Diverse community of oil
and gas, adjacent,
engineers and activists





SPE Gaia Sustainability Program

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by SPE Members for
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near members

GAIA RESOURCES



- ▶ Gaia LinkedIn Community:

<https://www.linkedin.com/groups/12464854/>

- ▶ Sustainable Development Technical Section:

<https://connect.spe.org/sdts/home>

- ▶ Gaia Talks:

<https://streaming.spe.org/?s=gaia>

<https://www.spe.org/en/events/live-events/>

- ▶ Gaia Digital Assets:

<https://spe.widencollective.com/c/2bnv38at>



Gaia Brand – digital asset library



Master and Regional Logos

Zoom background

Banner



<https://spe.widencollective.com/c/2bnv38at>



Sections & Chapters

- Each Region has 1-3 Gaia Liaisons who can create a committee of section and chapter representatives to encourage, plan and oversee programming
- The Gaia Regional Liaison will serve on the SDTS Board of Directors and will ensure a supportive feedback loop.
- Liaises with SDTS Board, makes good use of the on-demand library, develops local relations, drawing on IPIECA, OGCI, IOGP and other relations
- The Student chapters should join the regional committee and be represented on the SDTS Board by the Regional Liaison

There are four Gaia programming types supported by a central planning vehicle – the Gaia Study Group

- 1: Gaia Talks - developed centrally and by Regions and large Sections
- 2 Gaia Masterclasses - developed centrally so far but capacity can be built in regions
- 3: Gaia Summits & Decarbonisation Congress
- 4 Gaia Panels [at SPE flagship events – produced directly by SDTS or enabled by SDTS sustainability expertise]

Use the Gaia Strategic Programming framework and SDTS network to design your Gaia Talk, Masterclass, Event Panel etc The six-element framework is designed to be comprehensive, give a lot of latitude and yet create an aggregated output that can be accountable and tell us if we are doing enough, fast enough and to showcase what we are doing to encourage and engage members and non-members.



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*"Give ~~me~~^{us} a place to stand, and a lever long enough,
and I ~~will move~~^{we} the world." — Archimedes*

Please register: Sustainable Development Technical Section:

<https://connect.spe.org/sdts/home>

