Overview

SPE Gaia SUSTAINABILITY PROGRAM

A Framework for Success

Planning Gaia co-branded events to engage and enable operations and R&D professionals in service of sustainable development and by extension our industry

1 PRIORITIES

Top sustainable development priorities related to our industry – in focus

2 PATHWAYS

Select one, two or all pathways for your program architecture. The Gaia pathways are those most aligned with SPE strengths thus providing the most highly leveraged ways of progressing sustainability practices in our industry.

3 PRINCIPLES

Each event should adhere to all three principles. Use them to create strategic programming and to guide quality, relevance, reach and scale of your events and publications..

SPE Gaia Sustainability – Strategic Programming Framework

engaging and empowering engineers and scientists to generate scale and act with urgency and purpose

PRIORITIES

Energy Evolution

Optimizing mix of hydrocarbons and alternative sources of energy to enable an inclusive transition towards net zero emissions in line with COP 21 targets.

Natural Capital & Regeneration

Employ natural capital to protect and regenerate raw stocks aided by technology and partnerships to create circular, carbon neutral/negative value chains. Learn the benefits of nature and its ecosystem services.

Social Responsibilities

Use the UN Sustainable Development Goals to guide our business practices so that they benefit society and nature

PATHWAYS – SPE STRENGHTS

Innovation in Energy Transition

New markets, new business models, new techniques, new technologies, new processes, new mindsets to evolve a supply of energy that supports human activity inside planetary boundaries

Measuring What Matters

What data do operations and R&D need in order to prioritize and allocate resources to innovative sustainability performance factors. What does fit-for-decision sustainability performance data look like?

Listening & Communication

R&D is furthest from the external stakeholders and yet may have the greatest opportunity to ensure our technologies and techniques take their concerns into account and built trust through technical knowledge sharing.

Innovation

Natural capital and regenerative approaches include Biomimicry, CO2 capture and other nature based solutions, distributed ledger, as well as value chain transformation and enhancements

Measuring What Matters

Applying our knowledge of data science and engineering to development or improvement of nature-based solutions and the quantification of natural capital.

Listening & Communication

Foster multi-stakeholder engagements to learn about and share best in class natural capital and regenerative practices

Innovation

Encourage a culture of innovation with regard to our social responsibilities - inclusive business models; just practices; stakeholder engagement; collaboration

Measuring What Matters

Not everything that matters can be counted – foster learning that helps business integrate the difficult to measure in ways that systematically integrate the practice of managing externalities

Listening & Communication

Create conditions for trust and success by scaling mastery of techniques of stakeholder engagement through our events and publications. Encourage study of connections between engineering and ethics, philosophy and social sciences.

PRINCIPLES

Aggregation

Avoid fragmentation in efforts, create an aggregated view through applying this unifying brand, disciplined use of this strategic framework and mobilization of our ecosystem of future makers, through our events and publications.

Engagement

Engage internal and external stakeholders to cultivate trust through technical knowledge sharing. Cultivate challenging exchanges and produce surprising solutions.

Collaboration

Collaborate with others to execute ambitions aligned with the scale and urgency of the challenges of operating business and sustaining quality of life that remains inside planetary boundaries.

Resources Available:

Gaia Hub Gaia Talks Gallery of Promotional graphics

Gaia LinkedIn Community Additional Information and FAQs – coming soon!

How to Implement Gaia into Section Activities

Step 1: Select a Priority

1 PRIORITIES

Top sustainable development priorities related to our industry – in focus

PRIORITIES

Energy Evolution

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Natural Capital & Regeneration

Employ natural capital to protect and regenerate raw stocks aided by technology and partnerships to create circular, carbon neutral/negative value chains. Learn the benefits of nature and its ecosystem services.

Social Responsibilities

Use the UN Sustainable Development Goals to guide our business practices so that they benefit society and nature

Step 2: Select one or more Pathways

2 PATHWAYS

Select one, two or all pathways for your program architecture. The Gaia pathways are those most aligned with SPE strengths so providing the most highly leveraged ways of progressing understanding of sustainability practices among our members in their industry and private roles

PATHWAYS – SPE STRENGHTS

Innovation in Energy Transition

New markets, new business models, new techniques, new technologies, new processes to evolve a supply of energy that supports human activity inside planetary boundaries

Measuring What Matters

What does fit-for-decision sustainability performance data look like? What data do operations and R&D need in order to prioritize and allocate resources to innovative sustainability performance factors

Listening & Communication

R&D is furthest from the external stakeholders and yet may have the greatest opportunity to ensure our technologies and techniques take their concerns into account and built trust through technical knowledge sharing.

Innovation in Natural Capital

Natural capital and regenerative approaches include Biomimicry, CO2 capture and other nature-based solutions, distributed ledger, as well as value chain transformation and enhancements

Measuring What Matters

Applying our knowledge of data science and engineering to development or improvement of nature-based solutions and the quantification of natural capital.

Listening & Communication

Foster multi-stakeholder engagements to learn about and share best in class natural capital and regenerative practices

Innovation in Social Responsibility practices

Encourage a culture of innovation with regard to our social responsibilities - inclusive business models; just practices; stakeholder engagement; collaboration

Measuring What Matters

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Listening & Communication

Create conditions for trust and success by scaling mastery of techniques of stakeholder engagement our events and publications. Encourage study of connections between engineering and ethics, philosophy and social sciences.

Step 3: Adhere to Principles

3 PRINCIPLES

Each event should adhere to all three principles. Use them to create strategic programming and to guide quality, relevance, reach and scale of your events and publications.

PRINCIPLES

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