

F&S October 2022

Sustainable Innovation Pathways Framework



We have just launched a major collaborative project, the [Sustainable Innovation Pathways](#) Framework! This framework has the ambition to provide both transparency and guidance to enable companies, investors, and policymakers to shift capital where it matters to foster the [sustainability transition](#) and meet [net zero](#) by 2050.

The [SIP Framework](#) addresses three outstanding issues:

- [Financial models](#) today do not encompass the richness of our potential shared future, and the risks and opportunities it contains.
- Models are missing to combine holistic views of the future with current financial metrics.

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- The requirement for right-in-time [technology innovation](#) as early-stage technology investments run the risk of maturing too late for the urgent impact we all seek.

The framework combines:

- Technology readiness and adoption velocity
- Futures and [foresight](#) thinking
- Financial modelling

The report was co-authored by [Lena-Katharina Gerdes](#) at [eraneos](#), [Jonathan Blanchard Smith](#), Director and Fellow at [SAMI Consulting](#), and [Dr. Christian Spindler](#) at [Sustainaccount](#).

Contact Jonathan at jbs@samiconsulting.co.uk to receive a copy of the Framework.

Drivers of Change

Following a series of blogposts, Huw Williams is completing an update of SAMI's six Drivers of Change. A new Working Paper will be published shortly. If you are interested in a presentation on the topic to your team, please contact huw.williams@samiconsulting.co.uk.

New World Disorder

Joe Ravetz is running a 3-month programme of synergistic mapping & design, to better understand the problems & potential pathways through the existential double challenge of *climate / conflict*. Two sessions on October 28th and November 25th have been planned. Two further meeting in January and February are being arranged. Go to www.manchester.ac.uk/synergistics/foresight-3-0-for-ww3-0/ for details.

Joe's book "[Collective-Intelligence-and-the-Pathways-from-Smart-to-Wise](#)" was published in June 2020.

SAMI Cohort

The Cohort is a small group of professionals working with foresight and scenario planning, who gather every couple of months to learn from each other and SAMI staffers in a mutually supportive online environment. Three new members joined our new cohort that began last month - additional members are welcome. For further information, contact Jane.Dowsett@samiconsulting.co.uk.

Talks, papers and blogs

Patricia Lustig attended the Dubai Future Forum in October.

Techniques

We are increasingly finding the concept of an “Adaptive Plan” a valuable and effective way to turn scenario outputs into practical steps forward. Contact huw.williams@samiconsulting.co.uk to learn more.

Training

We recently delivered a new bespoke training course for the Planning Inspectorate. This focussed on how to turn horizon scanning into action and identifies ways to get greater engagement with the work. We are now systematising this to make it available to a general audience.

Executive Education



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We will be running our online course **“Understanding the Future”** again on 5th and 6th December. The course fee is £490 + VAT, and discounts may be available for self-funded individuals. Our new **“From Scanning to Action”** course will be available shortly. For more information, please email us at training@samiconsulting.co.uk. We also organise bespoke courses to suit specific clients’ needs.

A range of information on various [futures techniques](#) – the basis of the GO-Science Futures Toolkit - is available on our website.

Futures Issues



[Groups of drones mounted with 3D printers](#) could work together to build emergency shelters for displaced people in disaster zones. The project was inspired by studying wasps who use collective building methods.

It appears that China is deploying large [unmanned submarines](#) in the South China Sea. Their size translates into longer sea endurance, which enables them to be used for offensive operations such as minelaying. There are concerns however that, because no loss of life would follow, the threshold for conflict is lowered.

The financial markets are moving against oil and gas – Munich Re will cease

investing from April 2023. Despite this the UK Government thinks that [new licences](#) for new oil and gas field exploration will be attractive. Recent research suggests that there are [stranded assets](#) equal to 10 times as much CO₂ as can be burnt if the 1.5°C target is to be met.

[“Phase changing materials”](#) that behave differently in solid and liquid form (like water) can store heat and so could be used as chemical “batteries” to store excess renewable energy.

Chinese researchers demonstrated a [magnetically levitated car](#). They modified an off-the-shelf car with a permanent magnet array and installed a corresponding conductor rail on 7.8km of road. The car reached speeds of 143mph.

Mobile telephone operators are testing [3D holograms](#) for remote communication. Augmented reality headsets display 3D representations of meeting attendees, making them appear in the same space.

Our Blogs



In our recent blogs we have continued our series on our updated drivers for change and had a look at the trend for digitalisation:

- What do the drivers of change look like in 2022?
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- [Climate crisis](#)
- [4th industrial revolution](#)
- [Biotechnology](#)
- Trends in [digitalisation and the need for resilience](#)

If you'd like to receive reminders when our blogs are published, then [check the link on our website](#) or if you would like to write a blog for us, then please [contact us here](#).
