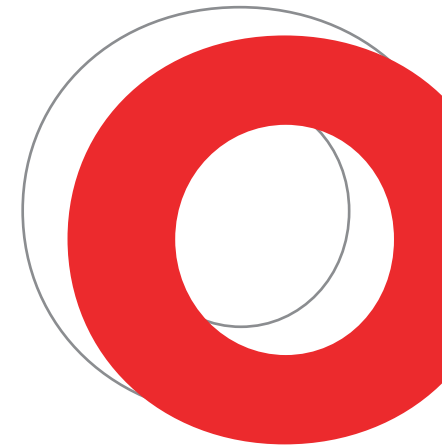




ACADEMY OF SCIENCES MALAYSIA **STRATEGIC PLAN 2021-2025**

THINK SCIENCE . CELEBRATE TECHNOLOGY . INSPIRE INNOVATION



CHANGEMAKER

‘BUILD INSIDE,
DEPLOY OUTSIDE’

A New Direction Towards Making A Change

Throughout Academy's journey, we have gained the recognition while playing the role as the nation's thought leader for matters related to STIE. For 13 years we have been guided by our first strategic plan (2007 – 2020) to be where the Academy is now. We started off with 50 foundation fellows and have now grown to a total of 844 members in our expert network across various disciplines in STIE.



How will the Academy navigate these uncertain times?

Malaysia's STIE ecosystem is susceptible to rapid changes such as from emergence of disruptive technologies and business models, global health pandemics such as COVID-19 and climate change. These rapid changes, if not capitalised on, will lead to uncertainties to Malaysia's economic development and adversely impact the societal quality of life. As Malaysia's thought leader in STIE, the Academy aims to play a pivotal role to push for progress and elevate itself as a changemaker on top of being a thought leader.

This is reflected in this second strategic plan (2021-2025) whereby we have expanded our focus not only on science, technology and innovation, but also on the economy. With this inclusive focus, ASM's approach and actions will be more sustainable and impactful towards the socioeconomy.

The ASM Strategic Plan 2021-2025 will propel us into 2025 and beyond, aligning with the Sustainable Development Goals (SDGs), Shared Prosperity Vision (SPV2030) and the National Policy of Science, Technology and Innovation (NPSTI 2021-2030). ASM will be championing the Science, Technology, Innovation and Economy (STIE) agenda nationally and internationally.

What strategies to be deployed to build an enduring legacy?

ASM aspire to leave a lasting positive impact to the society as an independent thought leader in STIE. We are guided based on the philosophy of "Build Inside, Deploy Outside".

This shows the power of new ideas being translated into action, and through this strategic plan, ASM will empower the citizens with STIE knowledge to become future-proof changemakers.

For the Strategic Plan 2021-2025, we introduce 5 new missions and 5 new goals in accomplishing the vision, focusing on three STIE impact areas (economic development, societal well-being, and environmental sustainability) nationally and internationally.

Thank you to all that have contributed and provided input into materialising this strategic plan. Let us work together for ASM to be the changemaker for STIE to accomplish the vision and mission of this strategic plan.

Translating our ideas into actions may be challenging, we believe our actions lift the society and once done, it will be our legacy.



Professor Emerita Datuk Dr Asma Ismail FASc
President

Vision

A Thought Leader in Science, Technology, Innovation and Economy (STIE) towards a progressive, harmonious, prosperous, and sustainable society, nationally and internationally.

Mission

To be a Thought Leader on STIE, nationally and internationally

To be the Advisory Body on national STIE policy and related matters

To be the Strategic Partner in STIE in Malaysia and globally

To advocate and make STIE a basis for economic development and societal well-being, locally and globally

To engage the public through STIE communication

Goals

To become an independent Thought Leader on STIE, nationally and internationally

To become the trusted Advisory Body on national STIE policy and related matters

To become an influential Strategic Partner in STIE in Malaysia and globally

To become an impactful advocate and make STI a basis for economic development and societal well-being, locally and globally

To become an effective STIE communicator that attracts public engagement

Philosophy & Values

“Build Inside, Deploy Outside”

What we stand for,

Society-based:

placing STIE for societal benefits

Credible:

reliable, impactful, and timely

Independent:

track and provide input on systemic issues without fear or favour

Evidence-based:

ensure what we do is informed by the best available knowledge

Network-centric:

dynamic Knowledge Convergence Platform (as an organisation that connects people together leveraging on the high trust factor of its stakeholders)

Transparent:

open engagement and process

Impactful:

deploy new and better ways for impactful outcome

Action-oriented:

turn initiatives into workable solutions that bring about sustainable change



Providing advice
to the Government
on matters related
to STIE of national
and international
importance



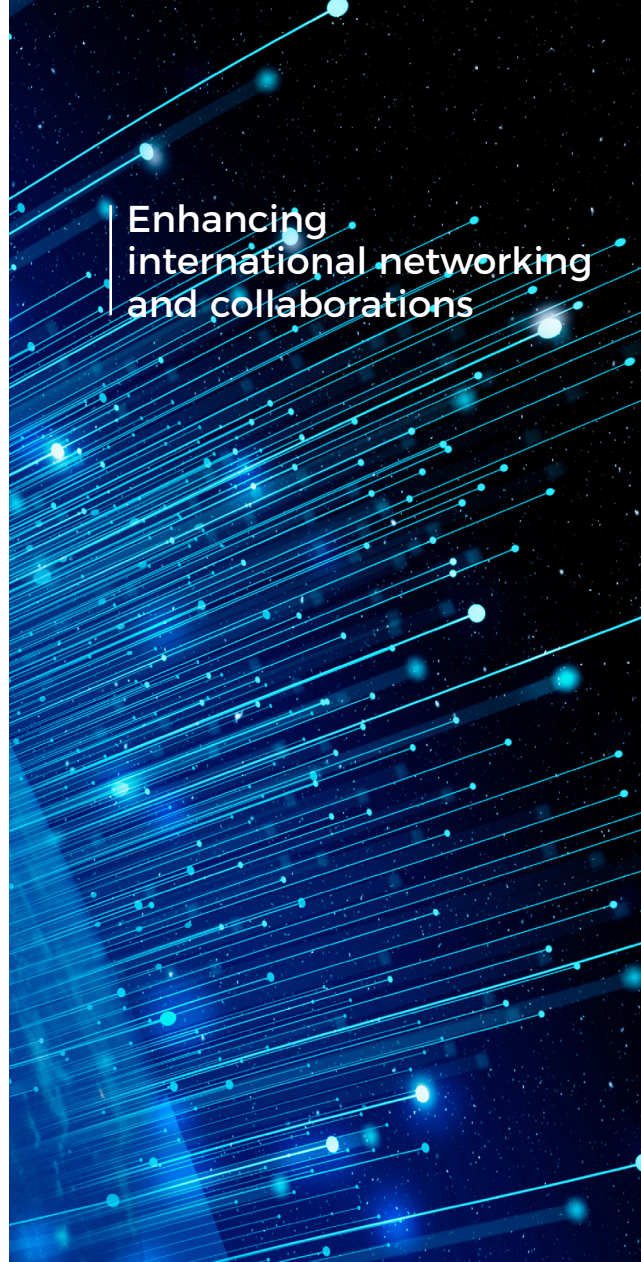
Fostering a culture
of excellence in STIE
in Malaysia



Assisting in upgrading
technological capabilities
of Malaysian industrial
sectors



Promoting public
awareness in
understanding
of science



Enhancing
international networking
and collaborations



Scientific publication
and communicate

Our Core Functions

ASM Strategies

1

INDEPENDENT

Systematise ASM as an independent & impactful trailblazer in STIE

We provide independent and impactful STIE advisory across stakeholders to create a systemic change in STIE ecosystem.

Our expert network and management will strengthen planning, execution, monitoring, and evaluation to ensure all our outputs are independent, credible and impactful towards becoming a trendsetter in STIE.

2

INFLUENTIAL

Expanding ASM's influence as a trusted partner at federal, state & global level

We have established our influence nationally and internationally through our continuous and close collaboration with our strategic partners.

We will continually broaden our network at all levels to ensure inclusivity and democratisation of STIE across all sectors.

3

SUSTAINABLE

Securing sustainable resources for a progressive organisation towards supporting national interest

Our organisation will continuously grow our tangible and intangible resources.

We will ensure that these resources are effectively and efficiently used in becoming a more progressive organisation that is committed towards change.

4

AGILE

Enhancing organisational agility by practising good governance & professionalism

Our organisation will build dynamic capabilities to become an agile organisation that adapts to rapid changes in STIE ecosystem.

We aspire to be an agile organisation without jeopardising our integrity through good governance and maintaining the highest level of professionalism.

5

NEXUS

Positioning ASM as preferred point of reference in all STIE matters

Our track record in championing STIE matters by strategically tackling important issues has made us a trusted point of reference.

As the national STIE thought leader, we are committed to increase our visibility and strengthen our networks by providing and demonstrating evidence-based solutions to our stakeholders.

6

PROPONENT

Driving effective advocacy towards future-proof socio-economic sectors

We champion world class ideas, outstanding proposal and winnable solutions (WOW) that are transformative and impactful for the nation.

We develop futureproof solutions through foresight-embedded analytics towards creating a positive change.

7

CONVENE

Establishing effective science communication platforms with stakeholders at all levels

Our organisation disseminate curated science communication materials that are relevant, timely and credible.

To enhance effective communication, we will invest in new and creative medium to translate ideas, thoughts and knowledge to obtain the most impactful engagement across societies.

12 Action Plans



1

To maximize experts' involvement throughout national STIE planning in generating ideas, thoughts and knowledge



2

To intensify collaborations in strategic areas with sister academies & regional platforms



3

To undertake demonstration projects that can translate new ideas into action and build capacity with strategic partners to ensure sustainability



7

To systematise continuous monitoring & evaluation of STIE ecosystem



8

To set up a mechanism within ASM to generate revenue and ensure sustainable resources



9

To imprint multipotentialite qualities among our talent by nurturing high level competencies and capabilities in multiple subjects



4

To upgrade organisational practices to adhere to national accreditation and international best practices



5

To assess & monitor organisational performance internally and externally to meet measurable outcomes and impact



6

To co-create high impact STIE initiatives at localities for transformation of socio-economic sectors



10

To enhance competency & skills of talent for future readiness through foresighting with inclusive participation from the quadruple helix



11

To support career advancement of young researchers towards instilling the “World Class, Outstanding, Winnable” (WOW) mindset



12

To create the ecosystem of open science, open access and open innovation through collaborative platforms for disruptive innovation

VISION

A Thought Leader in Science, Technology, Innovation and Economy (STIE) towards a progressive, harmonious, prosperous, and sustainable society, nationally and internationally

MISSION

To be a Thought Leader on STIE, nationally and internationally

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GOALS

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 - To become an influential Strategic Partner in STIE in Malaysia and globally
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 - To become an effective STIE communicator that attracts public engagement

STRATEGIES

1 INDEPENDENT

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2 INFLUENTIAL

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3 SUSTAINABLE

Securing sustainable resources for a progressive organisation towards supporting national interest

4 AGILE

Enhancing organisational agility by practising good governance & professionalism

5 NEXUS

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