

Six frameworks. One research story.

A visual reference for proposal alignment, policy context and sustainability.

1

MEGATRENDS

What is changing globally?

2

BITARA

Where should research specialise?

3

17 BIG BOLDS

Which socioeconomic priorities?

4

10-10 MySTIE

Which technology meets which need?

5

17 SDGs

What global outcomes matter?

6

ESG

How is impact delivered responsibly?

Use the funder's official classification where its categories differ from general policy descriptions.

Megatrends & RMK13

Seven research-funding categories: four global trends plus three additional priorities.

1

Economic blocs

Changes in the structure of economic blocs

2

Future technology and digital

Changes in future technology and digital

3

Demography and quality of life

Shifts in demography and quality of life

4

Planetary health crisis

Climate, biodiversity and planetary health

5

Education

Education systems, access and future skills

6

National security

Resilience, security and national preparedness

7

Heritage and local knowledge

Preserving and applying local knowledge

[SOURCE: RMK13 official portal](#)

[RMK13 official pamphlet \(PDF\)](#)

BITARA niche areas

Nine sectors supplied for the research guide; verify the grant-specific Appendix C.

1

High-value electrical & electronics (E&E)

2

Aerospace

3

Chemical / chemical sciences

4

Machinery & equipment (M&E)

5

Digital & ICT

6

Pharmaceuticals

7

Medical devices

8

Palm oil-based products

9

Rubber-based products

Source note: all nine sectors appear in NIMP 2030; check the grant Appendix C for BITARA classification.

OFFICIAL: NIMP 2030 industrial sectors

RMK13 portal

Ekonomi MADANI: 17 Big Bolds

From the Mid-Term Review of the Twelfth Malaysia Plan (2023-2025).

GOVERNANCE

- 1 Governance and institutional framework
- 2 Legislation related to corruption

SUSTAINABILITY

- 3 Fiscal sustainability and financial systems
- 4 High-growth, high-value energy transition
- 5 Targeted subsidies

PROSPEROUS SOCIETY

- 6 MADANI society
- 7 Social protection
- 8 Housing
- 9 Healthcare services
- 10 National security and defence

HIGH-INCOME ECONOMY

- 11 Digital and technology HGHV
- 12 Electrical and electronics HGHV
- 13 Agriculture and agro-based HGHV
- 14 Rare earths HGHV
- 15 MSMEs and social enterprises
- 16 Public transport network
- 17 Future-ready talent

OFFICIAL: Mid-Term Review document portal

10-10 MySTIE

Match a socioeconomic need to a science and technology solution.

1 Energy

2 Education

3 Water and food

4 Agriculture and forestry

5 Environment and biodiversity

6 Smart cities and transportation

7 Medical and healthcare

8 Culture, arts and tourism

9 Business and financial services

10 Smart technology and systems

OFFICIAL: Full 10-10 MySTIE framework (PDF)

17 Sustainable Development Goals

The UN 2030 Agenda: 17 goals and 169 targets.



OFFICIAL: UN SDG goals, targets and indicators

ESG: three lenses for responsible impact

Environmental, social and governance considerations for projects and organisations.



ENVIRONMENT

Waste, energy and water

Carbon and biodiversity

Sustainable lab practices



SOCIAL

Healthcare access

Training and safety

Community benefits



GOVERNANCE

Ethics and biosafety

Data protection

Transparency and accountability

[Bursa Malaysia: sustainability reporting resources](#)

Example: AMR genomic surveillance

Illustrative mapping; demonstrate alignment through project-specific outputs.

MEGATRENDS	Planetary health + advanced genomics
BITARA	Medical devices / pharmaceuticals: verify Appendix C
BIG BOLDs	9: healthcare; 11: digital technology; 17: talent
MySTIE	Medical and healthcare + biotechnology
SDGs	3: health; 9: innovation; 17: partnerships
ESG	Lab waste, affordable access, ethics and data governance

Policy alignment is not proof of impact: specify measurable deliverables and beneficiaries.

Original sources & reading links

Click a link in this PDF to open the original organisation's site or document.

RMK13 official portal

[OPEN ORIGINAL SOURCE >](#)

NIMP 2030: industrial sectors

[OPEN ORIGINAL SOURCE >](#)

RMK12 Mid-Term Review (Big Bolds)

[OPEN ORIGINAL SOURCE >](#)

MOSTI: 10-10 MySTIE framework

[OPEN ORIGINAL SOURCE >](#)

UN: 17 SDGs

[OPEN ORIGINAL SOURCE >](#)

Bursa Malaysia: ESG reporting guidance

[OPEN ORIGINAL SOURCE >](#)