

Towards Net Zero for Sarawak

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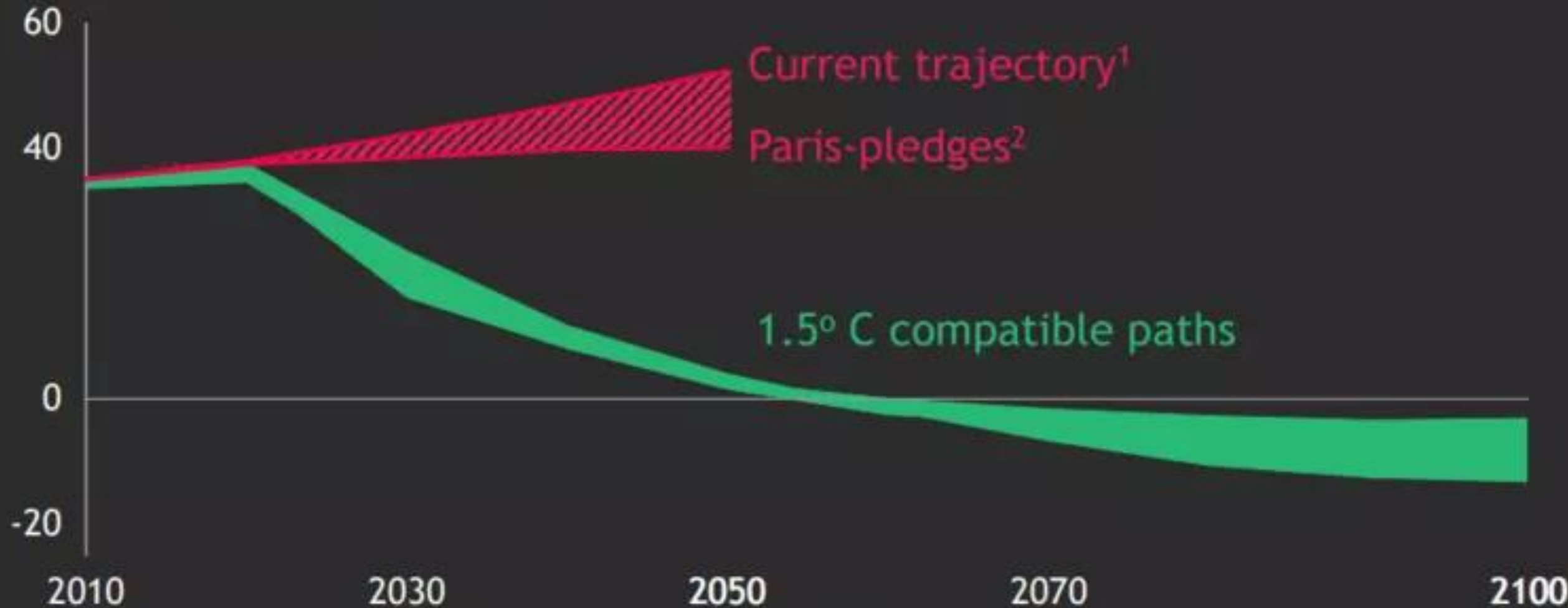
Corporate Development & Economy Division

Ministry of Energy and Environmental Sustainability
Sarawak (MEESTy)



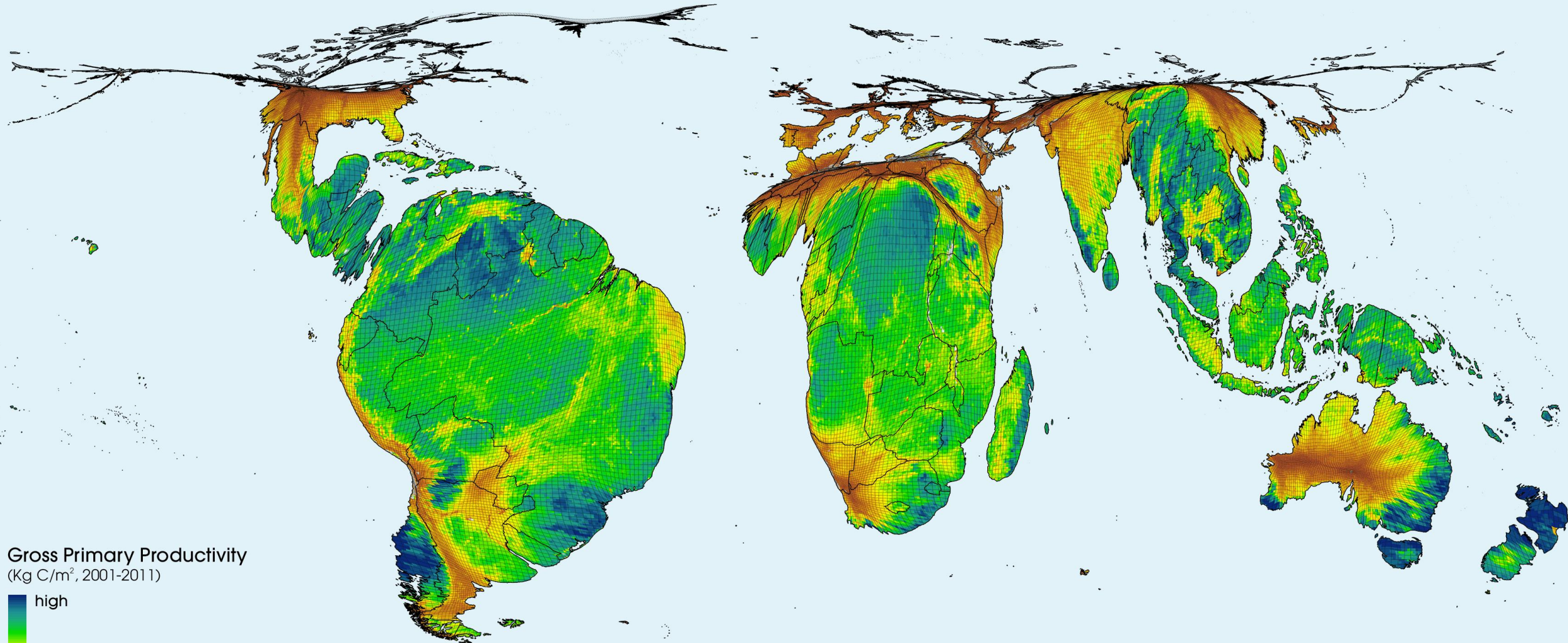
The world needs to move to “Net Zero”

Global net CO₂ emissions pathways
Gt per year

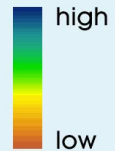


The metabolism of the terrestrial biosphere

January



Gross Primary Productivity
(Kg C/m², 2001-2011)



Data source: MODIS GPP/NPP Project (MOD17)

The industrial metabolism of humanity



Adverse impacts from human-caused change will intensify

Water scarcity and food production



Health and wellbeing



Cities, settlements and infrastructure

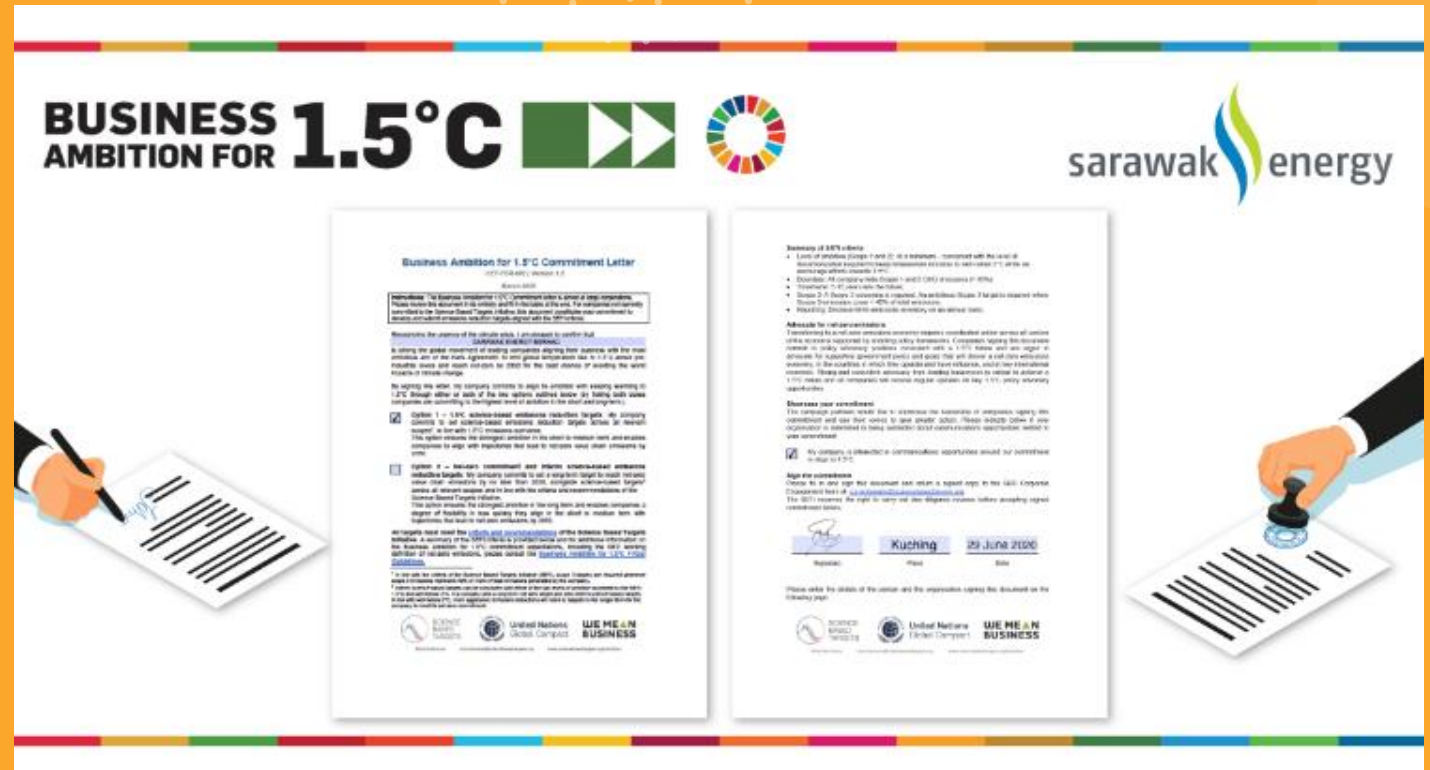


Ecosystem structure, species range shifts and changes in timing



Business Action for 1.5⁰ Celsius

- First corporation in Malaysia to commit to the "Business Action for 1.5° Celsius" under United Nations Global Compact.





Industry Processes and
Product Use
Waste
Agriculture
Land use change and
Forestry

Low Carbon Cities for Green Growth



Developing Carbon Ecosystem



QUANTIFY

A platform that quantifies
the CO2 you didn't produce



VALUE

Values your
CO2 savings



EXCHANGE

And enables you to
exchange your savings



Creating Carbon Neutral Cities

- Sustainability platform rewards carbon neutral mobility behavior towards a new way of living in cities
- Rewarding people and communities for not emitting CO2
- Exchange credits for other services and companies can offset them to compensate their local carbon footprint
- Accelerating global transition towards carbon neutral cities



AYR, a platform that
rewards carbon
neutral mobility
behavior

CEIA

Sarawak's Green Economy Policy sets out the vision to achieve 3 policy objectives, supported by 6 strategic pillars and 6 enablers

Vision

Sarawak to be a low carbon and inclusive green economy by 2030

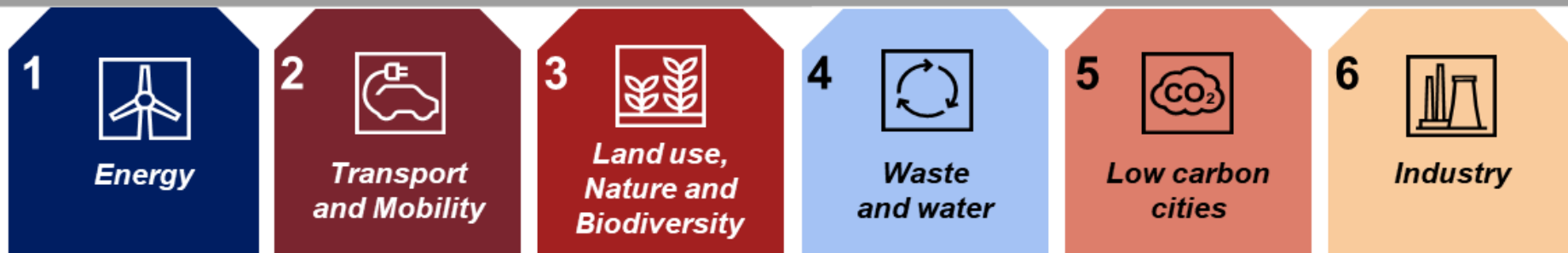
Objectives

To protect **Sarawak's biodiversity** and natural resources

To improve the **liveability of Sarawakians** including preserving indigenous values and cultures of the locals

To foster **inclusive economic growth** through responsible and sustainable use of natural resources

6 strategic pillars:



30 strategies:



6 enablers:



DEVELOPING THE NET ZERO STRATEGY FOR SARAWAK



Maintain at least 60% renewable energy capacity mix by 2030.



600k tons annual reduction to CO2 emissions via electrification of mobility fleet.



Conserve natural resources and intensify sustainable forest management practices



Accelerate green growth transition



Global player in hydrogen

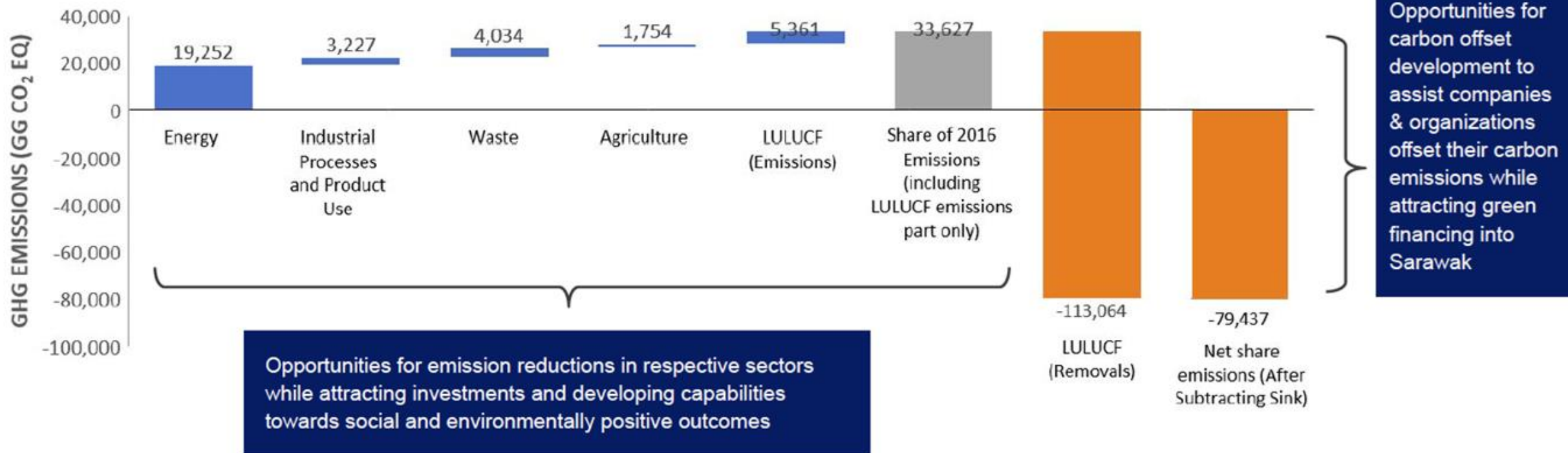


Accelerate low carbon urban development

Sarawak's GHG emission

Sarawak's GHG emissions, 2016

(estimated share based on National GHG Inventory, baseline year 2016)

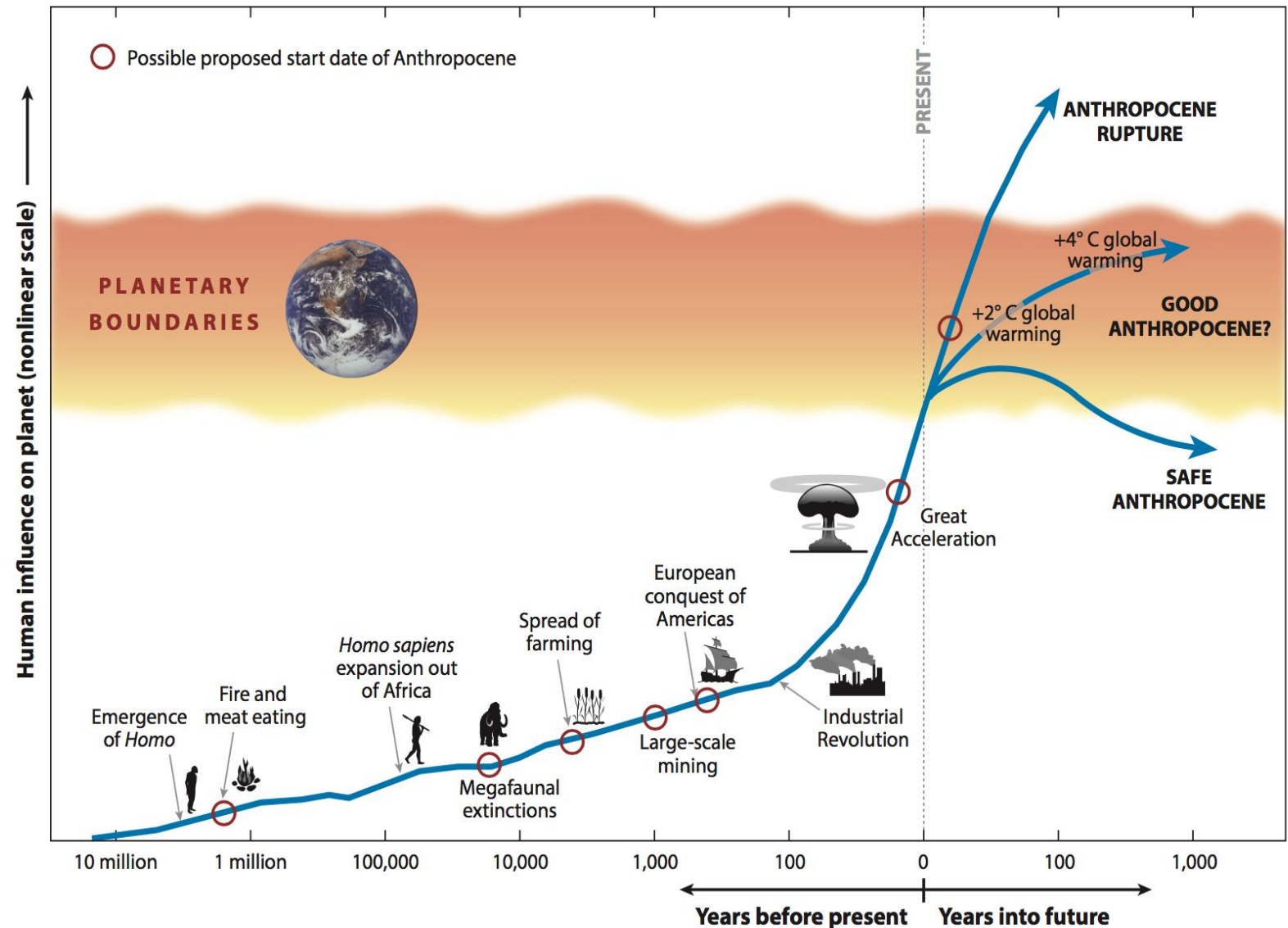


The challenge

- Cut emissions quickly, sharply to create a safer, sustainable world
- Scale up practices and infrastructure to enhance resilience
- Cut global GHG emissions by nearly half by 2030
- Action required along numerous dimensions

Total human social metabolism

- *Malhi (2017) The Concept of the Anthropocene. Annual Reviews in Environment and Resources*





Terima Kasih