



MALAYSIAN ASSOCIATION OF RISK & INSURANCE MANAGEMENT

MARIM INTERNATIONAL CONFERENCE 2023 UNCOVERING NEW FRONTIERS IN RISK & RESILIENCE

11 & 12 September 2023 The Waterfront Hotel, Kuching



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KEYNOTE

New Frontiers in Risk Management

Ir. Bunyak Lunyong
Chief Executive Officer
SEB Power





Sarawak Energy

MARIM International Conference 2023

Uncovering New Frontiers In Risk & Resilience

Ir. Bunyak Lunyong
CEO for SEB Power
Sarawak Energy

Power to Grow

Vertically integrated energy development company and power utility and Malaysia's largest renewable energy developer



Power generation, transmission, distribution, retail and export



Manpower \approx 5,500



Account Holders 760,000 in 2022
Population of Sarawak \approx 2.5 million



Wholly owned by Sarawak Government
Established in 1921, a century of operations



Scan here for Sarawak Energy Virtual Gallery

Our Vision

To achieve sustainable growth and prosperity for Sarawak by meeting the region's need for reliable, renewable energy

Our Values



Courage



Integrity



Unity



Accountability

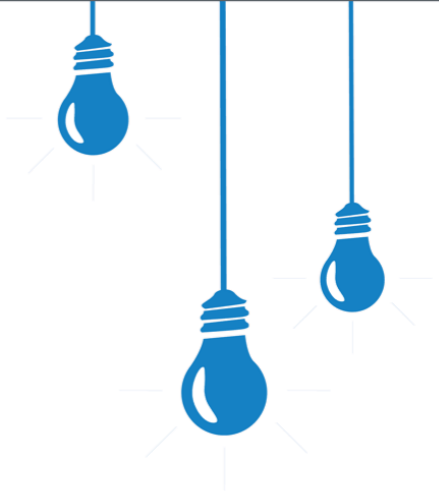


Respect

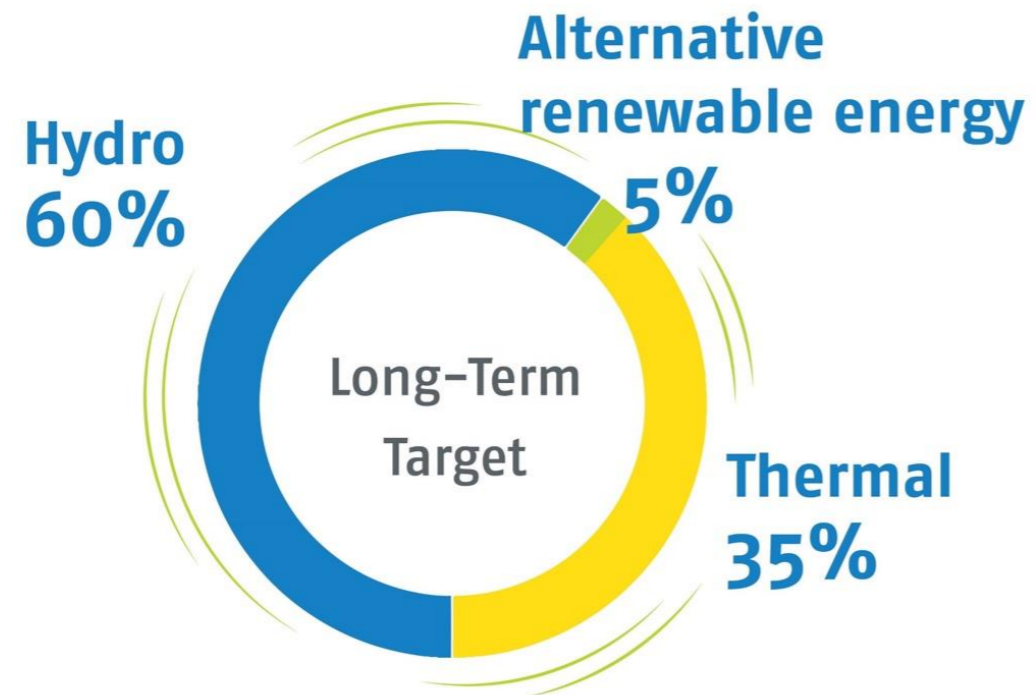
Lighting Up

Communities

Towards Achieving Full Electrification by 2025



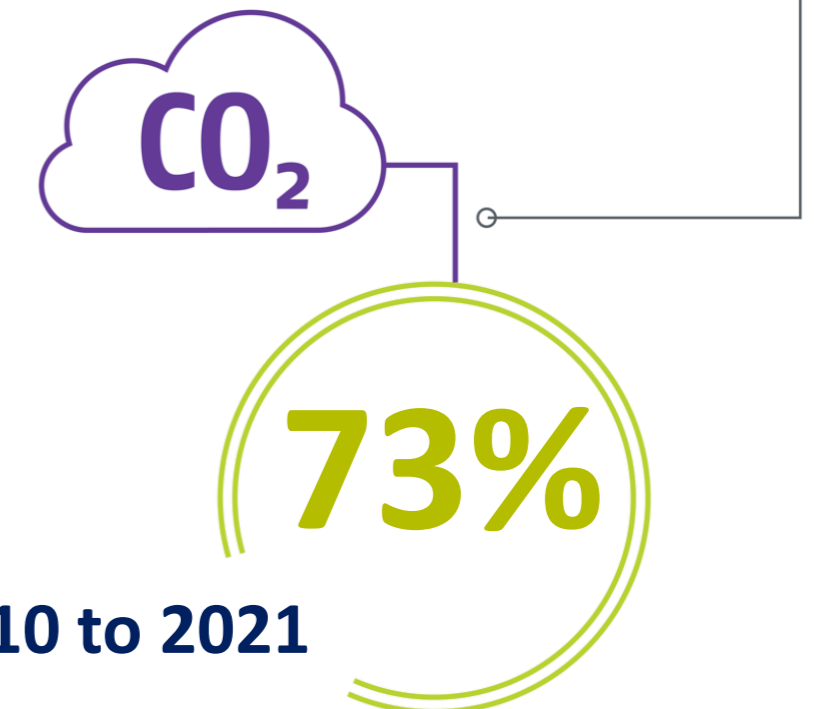
Balanced Capacity Mix



- Predominantly renewable hydropower
- Indigenous gas and coal resources for security of supply
- Advancing research into alternative renewable energy like solar

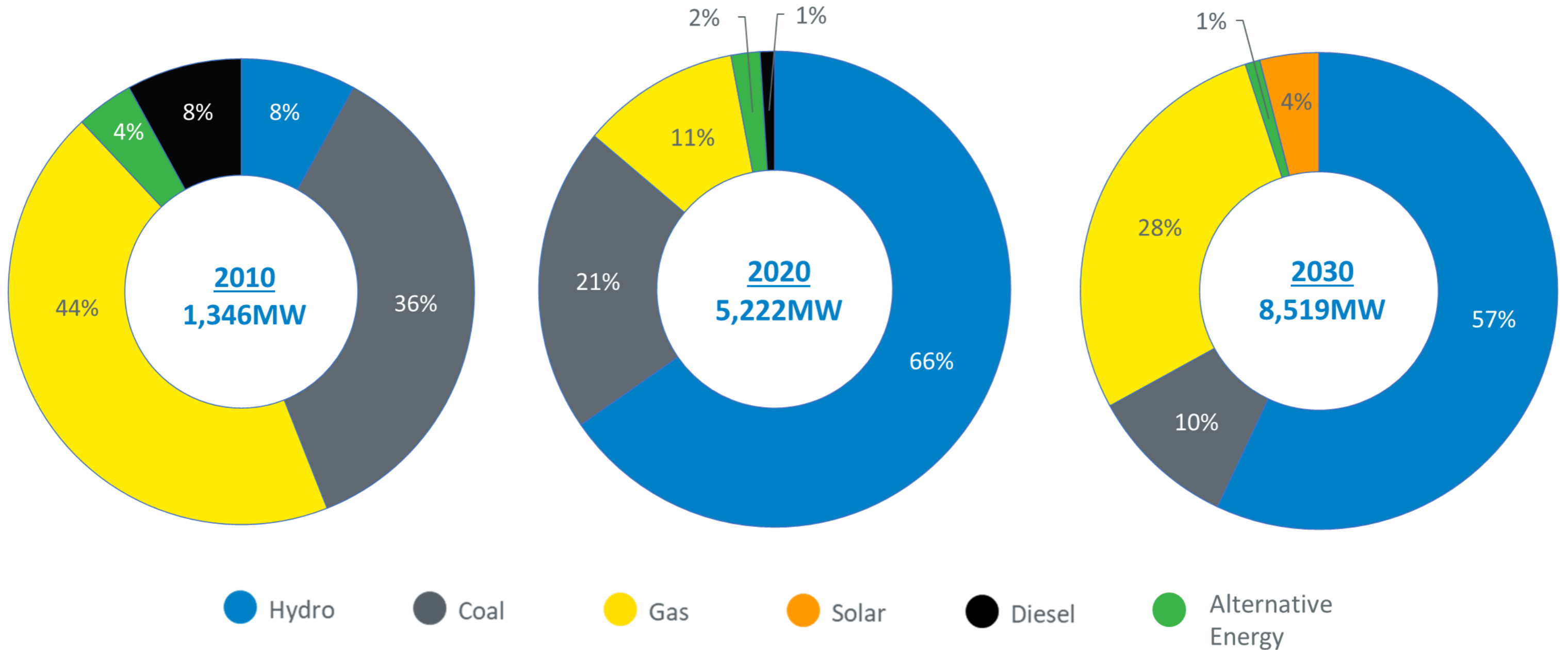
A Decarbonised Power System

Reduction of carbon emission intensity



Sarawak's Energy Transition

- Predominantly renewable hydropower and recognised as part of Malaysia's renewable energy target since 2021
- Balanced by indigenous thermal to maintain diversity and security of supply



Towards Becoming A Renewable Energy Powerhouse in ASEAN

Proposed Interconnection in Borneo - Borneo Grid



 Existing Interconnection

 Potential Interconnection



A Commitment to Sustainability

“Managing our business to minimise any negative impact of our operations and our environment, and maximise the positive impact of what we do for our people and planet.”

United Nations Sustainable Development Goals (UN SDGs)

Our business practices are aligned to all UN SDGs with a focus on 8 goals



Business Ambition for 1.5°C UN Global Compact (UNGC) Network



Partnerships for the Goals



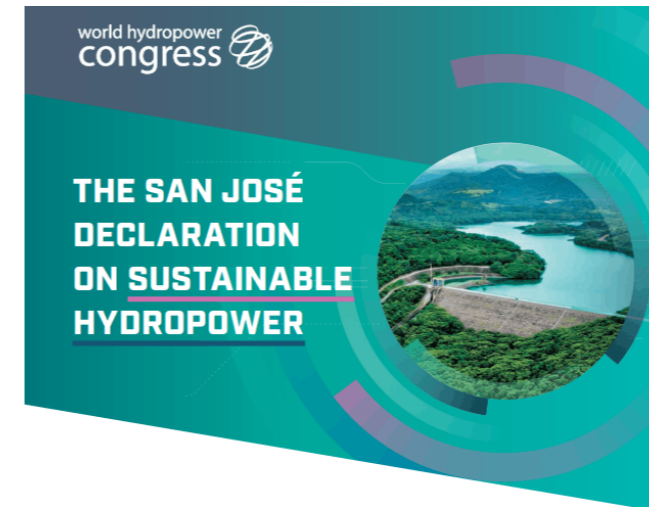
A sustainability partner and platinum member of IHA since 2010



A gold member of Global Reporting Initiative (GRI) since 2016



A member of UN Global Compact Network Malaysia & Brunei since 2017



A signatory of the **San Jose Declaration** on Sustainable Hydropower

Hydropower Sustainability Tools



Hydropower Sustainability Standard

Risk Management is an enabler to achieving Sarawak Energy's aspiration

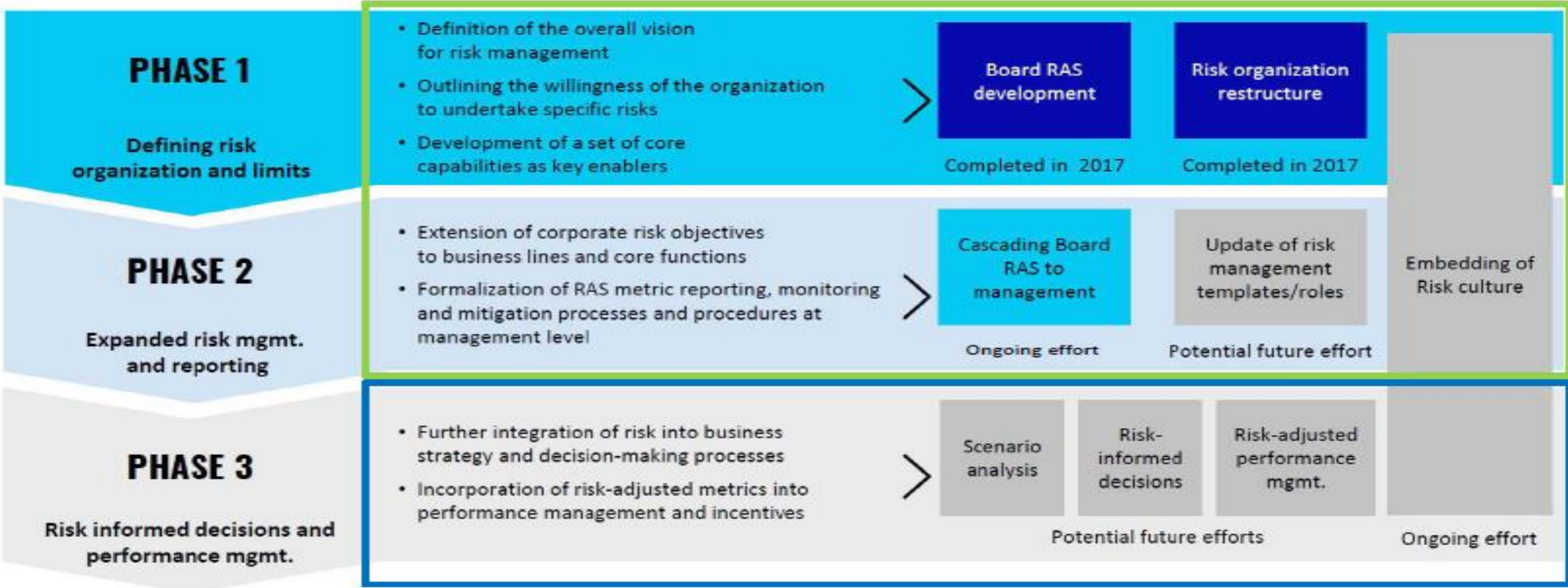


Enterprise Risk Transformation Journey

From "Safeguard enterprise value" to "Maximise enterprise value"

Risk Management enhancement roadmap for Sarawak Energy

Key risk initiatives





Thank You



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Risk Managers, We Care



***Kuching Autistic
Association***

Dr. Catherine Chen
President
Kuching Autistic Association



Registered as an NGO
on 6 May 1998



Kuching Autistic Association's Educational Centre has grown from a humble beginning of 3 students in 1999, to the current Centre with an enrolment of 155 students and 30 staff.

AUTISM

Persons with autism may possess the following characteristics in various combinations and in varying degrees of severity.



Inappropriate laughing or giggling



No real fear of dangers



Apparent insensitivity to pain



May not want cuddling



Sustained unusual or repetitive play; Uneven physical or verbal skills



May avoid eye contact



May prefer to be alone



Difficulty in expressing needs; May use gestures



Inappropriate attachments to objects



Insistence on sameness



Echoes words or phrases



Inappropriate response or no response to sound



Spins objects or self



Difficulty in interacting with others

Difficulties in social interaction

- Poor eye contact
- Fail to respond to their name
- Limited facial expressions (eg. do not know how to smile)
- Inability to read facial expressions & body language
- Many people with autism experience **alexithymia**, which is an inability to recognize and label the emotions they feel.
- Do not engage in spontaneous imitation of others.
- Have difficulty displaying typical expressions of empathy.



Difficulties in communication

- About 40% of ASD children are non-verbal
- Non-verbal ASD children understand language, even though they cannot speak
- Some have “words” but cannot speak in sentences
- Many can only master one language



Picture
Exchange
Communication
System
(PECS)

Repetitive Behaviours

- Eg: Rocking, spinning, swinging from side to side, walking up and down, flapping arms.
- ASD children enjoy watching rotating objects e.g. wheels, fan
- They may spin or throw objects again and again, or arrange things in straight lines.



Sensory Processing Difficulties

- ASD children are affected by:
 - Bright lights
 - Loud or sudden sounds
 - Background noise
 - Different smells
 - Different tastes
 - Touch
- When ASD child experiences too much sensory stimulation and cannot handle it ... sensory overload.



They need sameness, familiar routines.
May have difficulty going to new places.

Every Autism Centre needs a Calm Room.

Impacts of Autism on Caregivers

- Emotional, physical, and financial constraints
- Stages associated with grieving – denial, anger, bargaining, sadness/grief, acceptance
- Family and friends' reactions, outsiders' reactions
- Change in lifestyle – cannot go anywhere like a “normal” family, difficulties with traveling, doctor and therapy appointments, more resources spent in care and treatment
- Increased risk of stress and depression amongst caregivers
- Physically draining – constantly alert and caring for the child
- Increased financial costs – medical, other therapies

Embracing Autism, Transforming Lives



Vision

To enable people with
Autism to achieve their
full potential and to
live useful,
independent and
economically
productive lives





OUR PROGRAMMES

1

ELEMENTARY
INSTRUCTION
PROGRAMME

2

SECONDARY
INSTRUCTION
PROGRAMME

3

SUNSHINE
HUB
SHELTERED
WORKSHOP

01

ELEMENTARY INSTRUCTION PROGRAMME

Work with my teacher

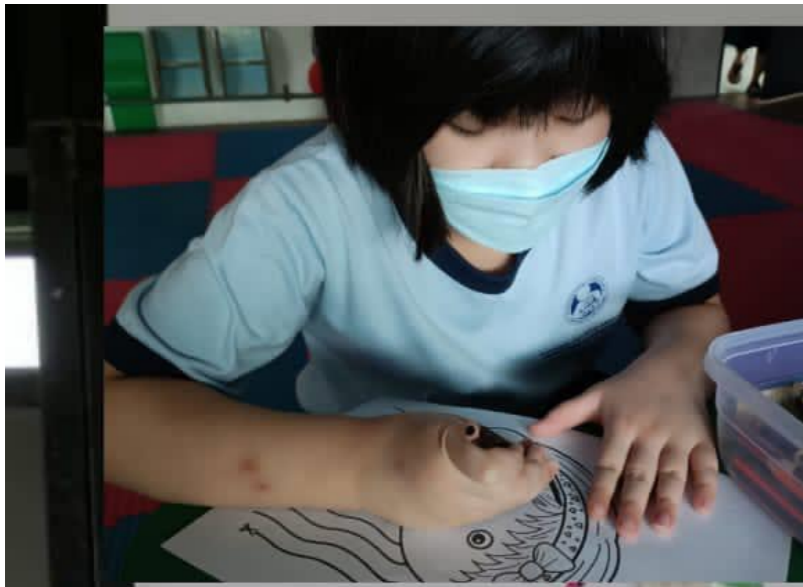


- Autistic children aged 3 - 12 years old
- Using Applied Behavioral Analysis Programme
- Teaching Ratio 1:1 or 1:2
- Use of structured teaching, visual aids.
- One-to-one, and group learning.

SENSORY INTEGRATED GYM ROOM

- In collaboration with a visiting Occupational Therapist.
- The exercises and equipment help improve body awareness, motor skills and social skills.
- Enhances children's willingness to explore and be involved in new activities.





Work with my friends:
Art activities for EIP
children





BAKING CUPCAKES

13-14 October 2022

Introducing Life Skills/Sensory Friendly Activities

Teaching Aids for Autism (KAA)

02

SECONDARY INSTRUCTION PROGRAMME



- Autistic teenagers aged 13 - 18 years old
- Using Applied Behavioral Analysis Programme
- Pre-vocational skills, purchasing/money skills, living skills.
- Teaching Ratio 1:2 or 1:3

Making sandwiches





Baking Cookies and Cakes, Making Pizza

03

SUNSHINE HUB SHELTERED WORKSHOP: *Started in Jan 2021*



- Autistic adults aged 18 and above
- Creating employment opportunities
- Living skills/job skills training
- Gardening, harvesting and selling of vegetables, beadwork, car wash, baking, producing artworks

Gardening Activities



Plant and vegetable Garden Project: sponsored by Sarawak Energy Berhad





Mushroom Project

Sponsored by Sarawak Energy Bhd



Making buns



Autism Art Gallery

How you can help

1. Support our Vegetable and Plants Projects.
(Gotong royong, financial support)
2. Promote and purchase our Artwork
Merchandise, food products and handicrafts.
3. Support our Fund-raising activities.
4. Contribute to our operating and building funds
(Tax exemption receipt is available upon
request).
5. Donate through our website: kaa.org.my



Your financial assistance goes a long way towards helping to build a better future for the autism community.



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The Coming Climate Change Risk - Is Humanity Ready?

Lai Khok Kin
Account Engineer
FM Global



Understand Your Climate Risk

Khok Kin, Lai
FM Global

September 2023 | Kuching, Sarawak

RESILIENCE IS A CHOICE.

$\sim 1 \times 10^{15}$

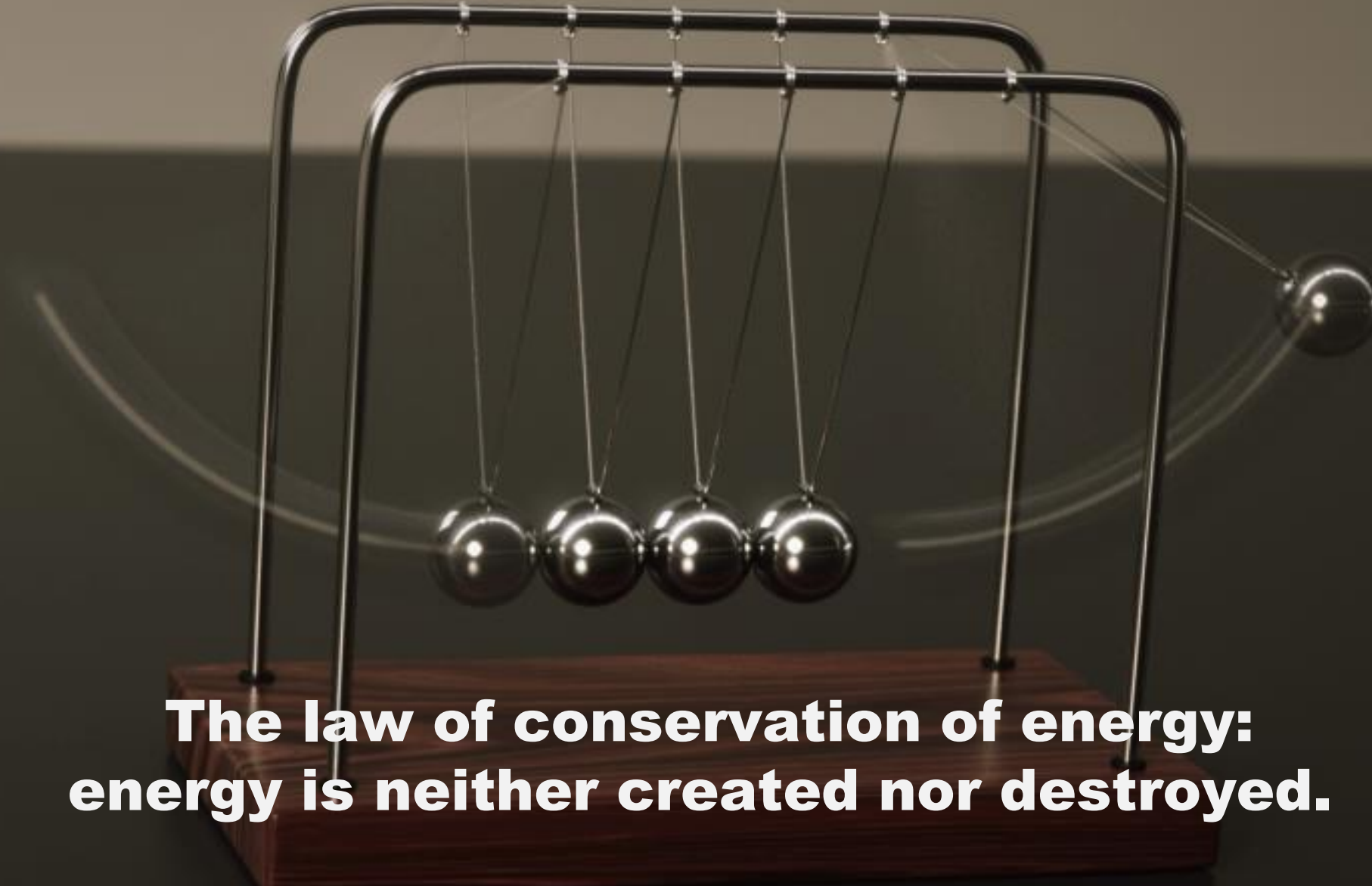


Temperature



Increase 1°C requires
 5×10^{18} Joules

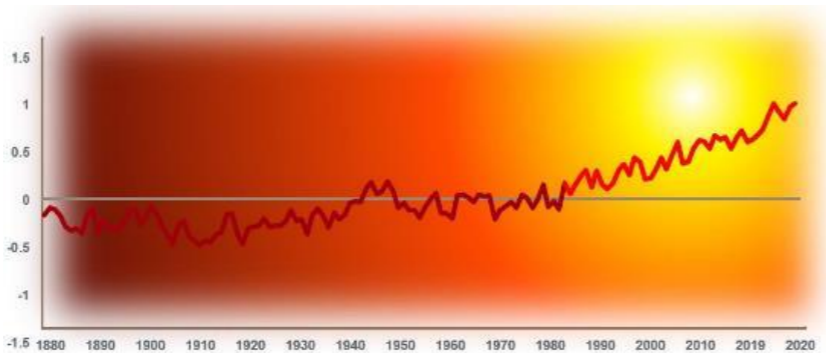
Entire energy
consumption of the US
for **4 million years**



**The law of conservation of energy:
energy is neither created nor destroyed.**

Driven by Increasing Global Temperature

Temperature (°C)
relative to
1951-1980 average



Flood

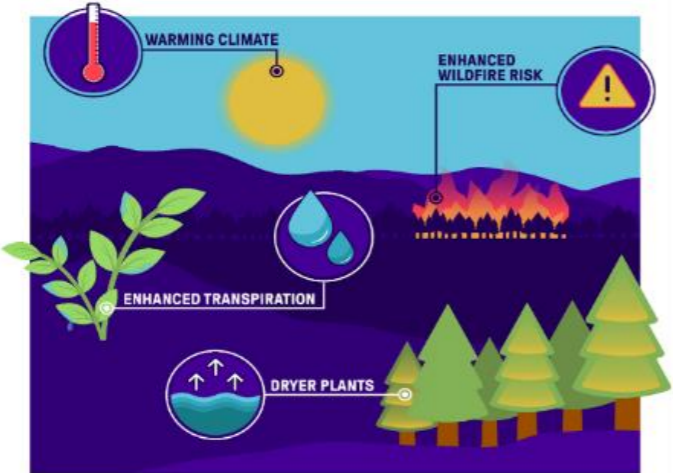
Heavier Rainfall



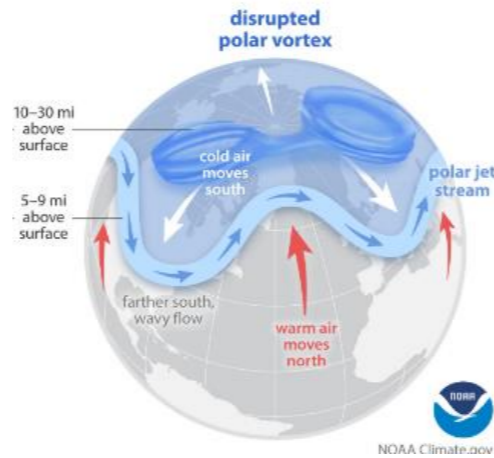
Sea Level Rise / Storm Surge



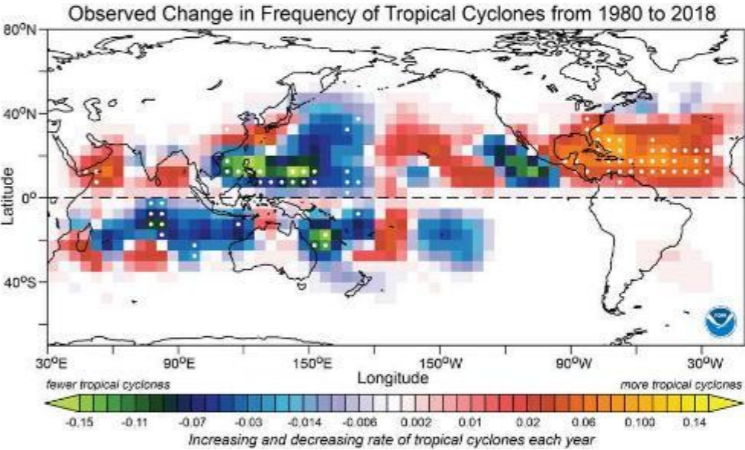
Wildfire



Extreme Heat / Cold



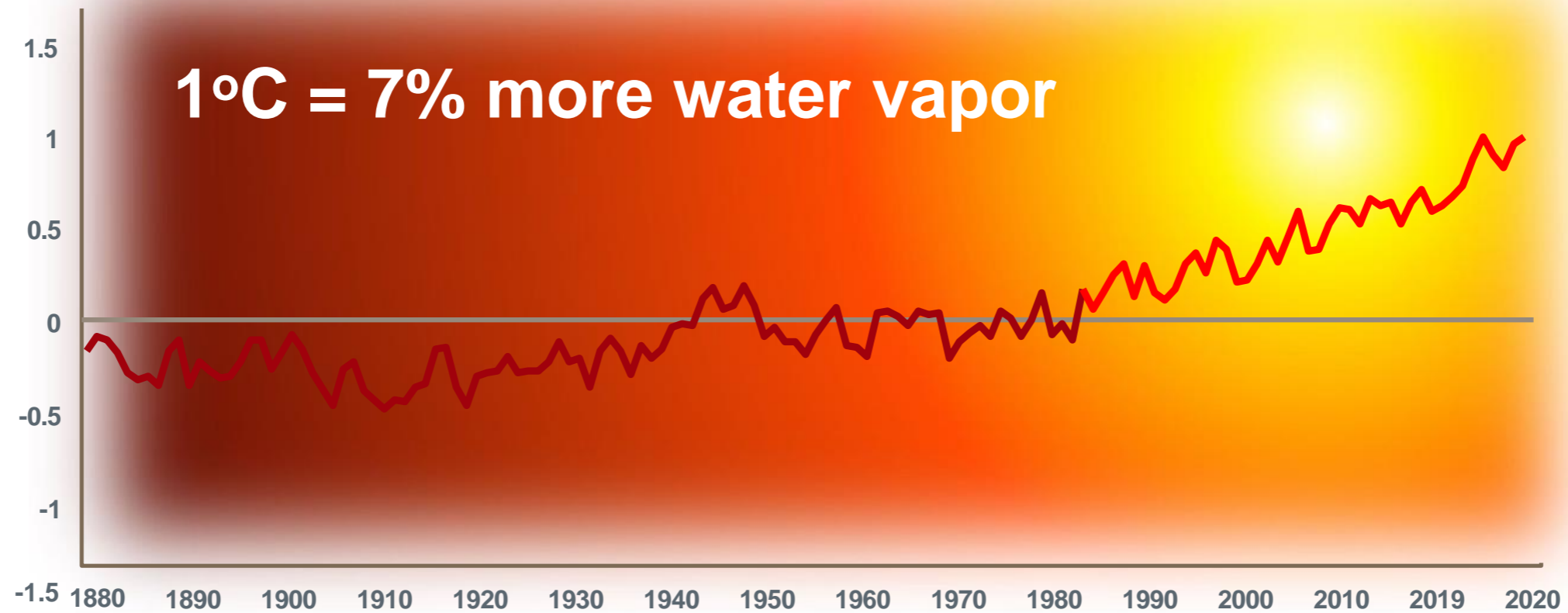
Wind



Global Mean Temperature Is on the Rise



Temperature Anomaly (°C)
(relative to 1951-1980 average)

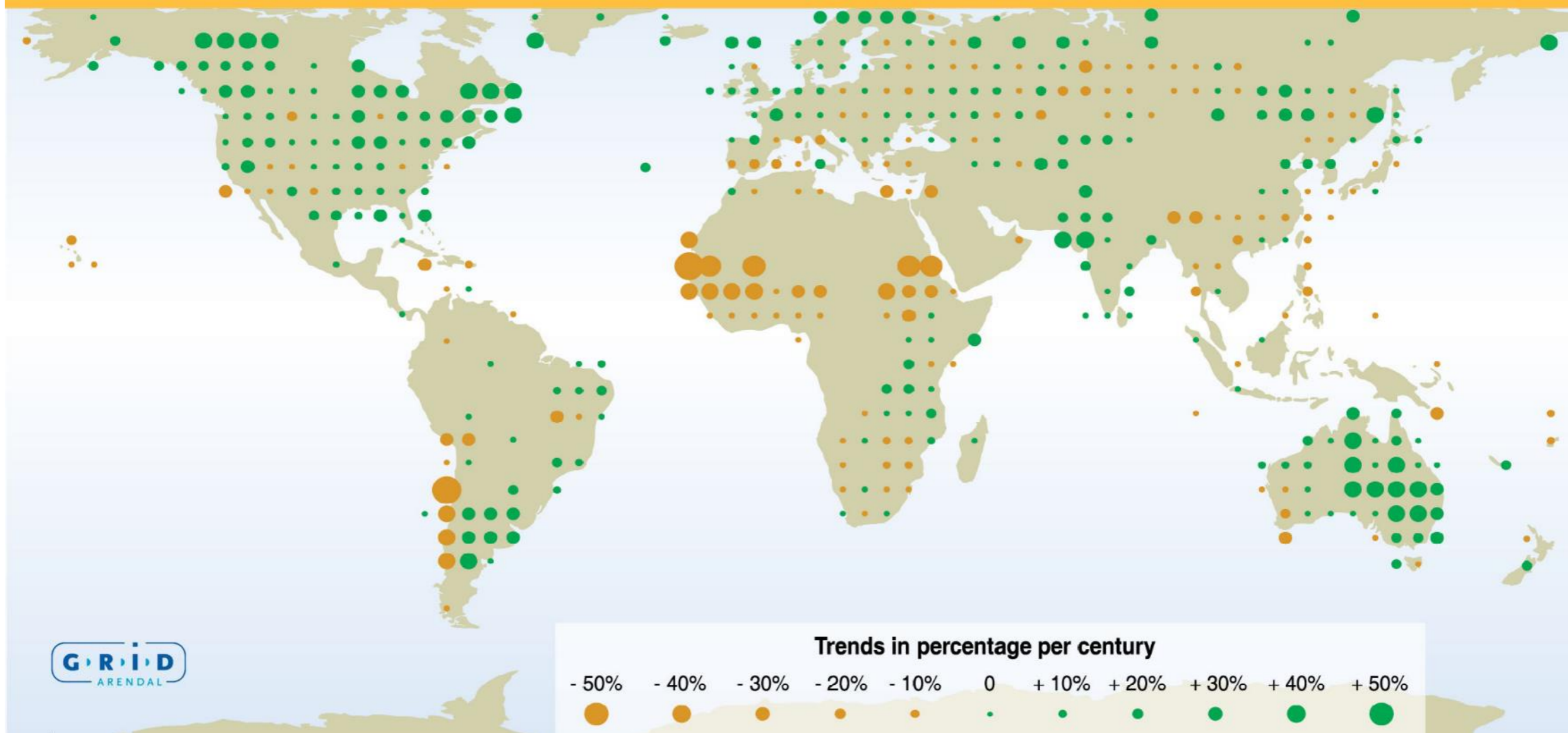


NASA's Goddard Institute for Space Studies (GISS)



Rainfall

Increased Rainfall: 20-Year Trends



Beijing flood 2023



Hongkong flood 2023 (Friday)

The heavy rainfall in Hong Kong started on Thursday and in the hour leading up to midnight, the city's weather observatory recorded hourly rainfall of 158.1 millimetres at its headquarters, the highest since records began in 1884.



Flood water covers the floor of a shopping mall in Hong Kong on September 8, 2023. (Photo by Bertha WANG / AFP)



Serian 2021

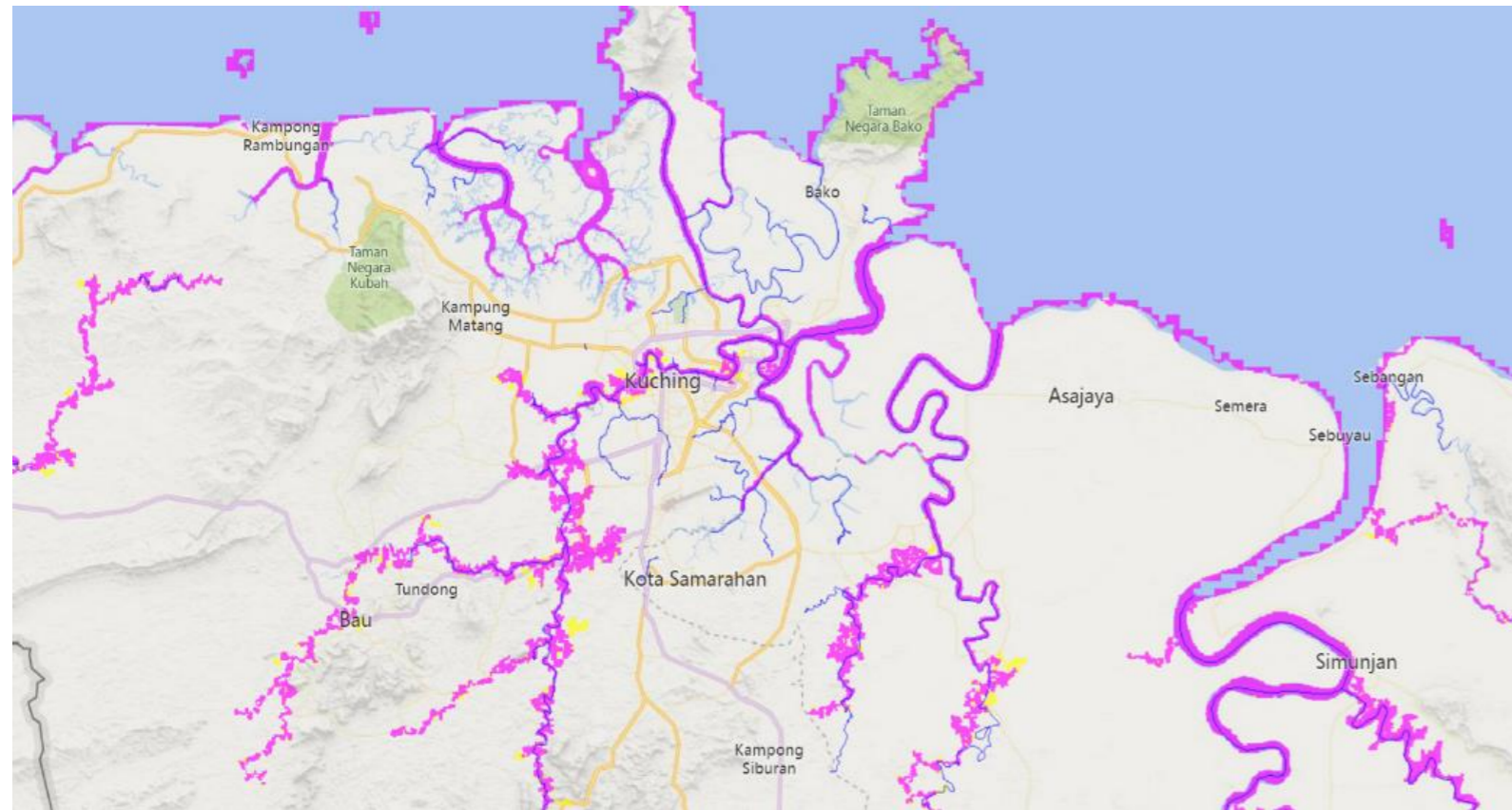


*An aerial photo shows the flood situation in Kampung Hilir, Serian.
Photo from THE BORNEOPOST.com*

**Start your journey
to climate resilience today!**



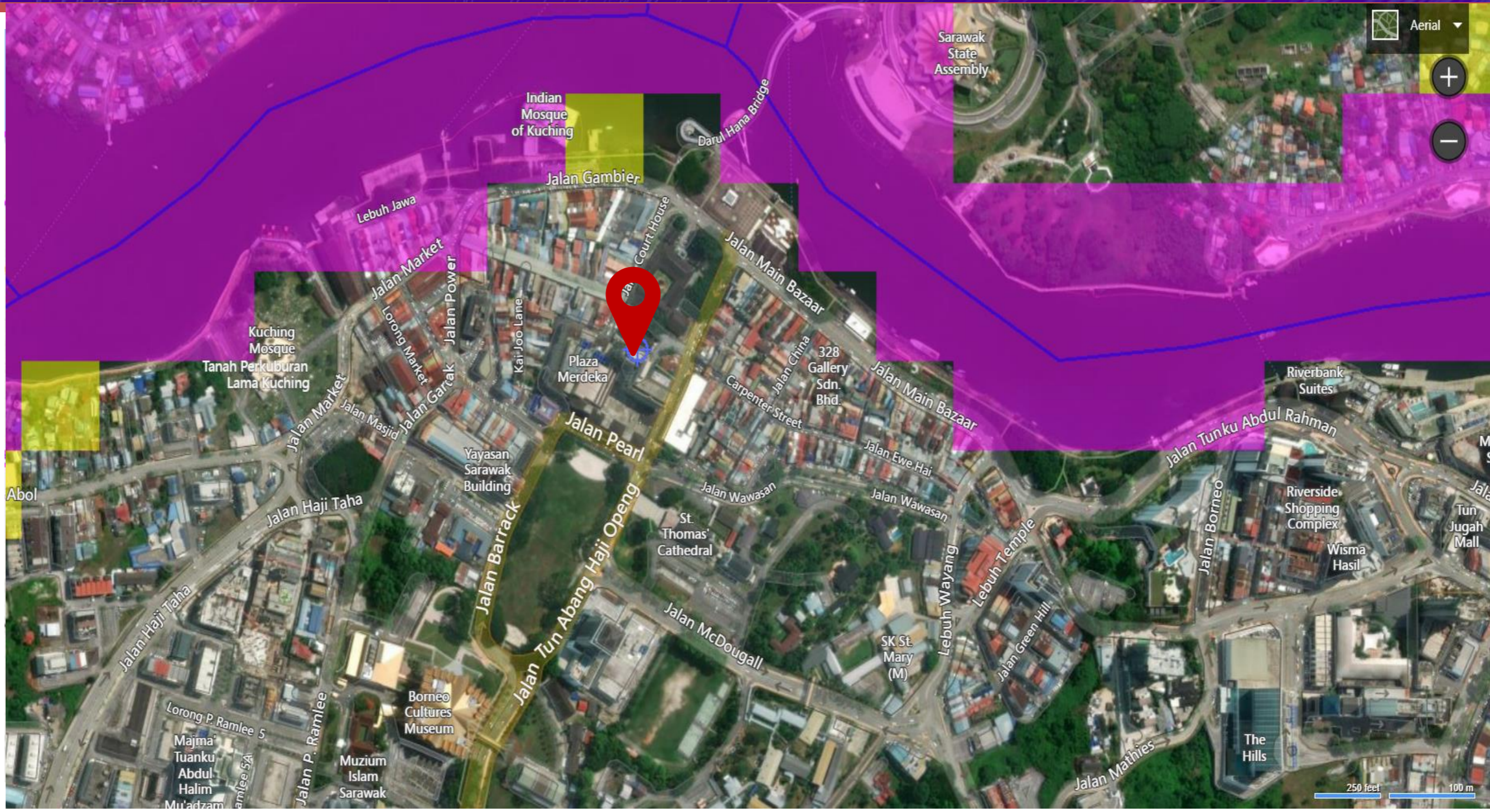
How To Improve Climate Resilience?



Understand Your Exposure and Hazards

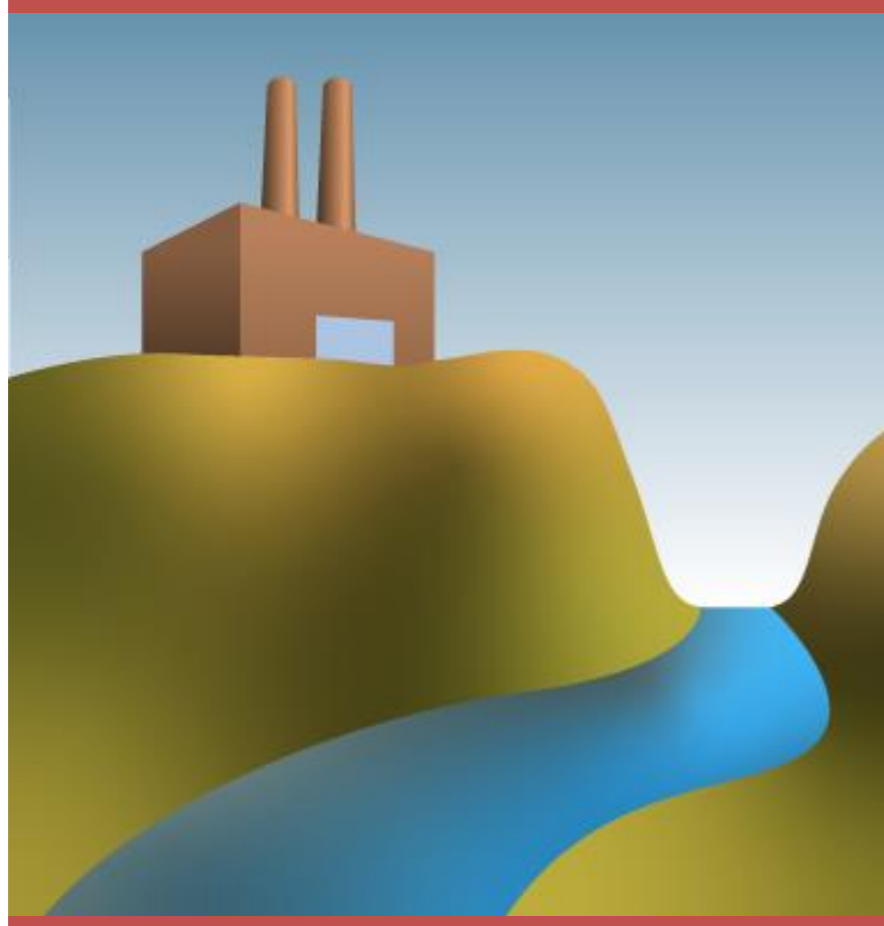
Plan, Prepare, Adapt

Climate Resilience (How)

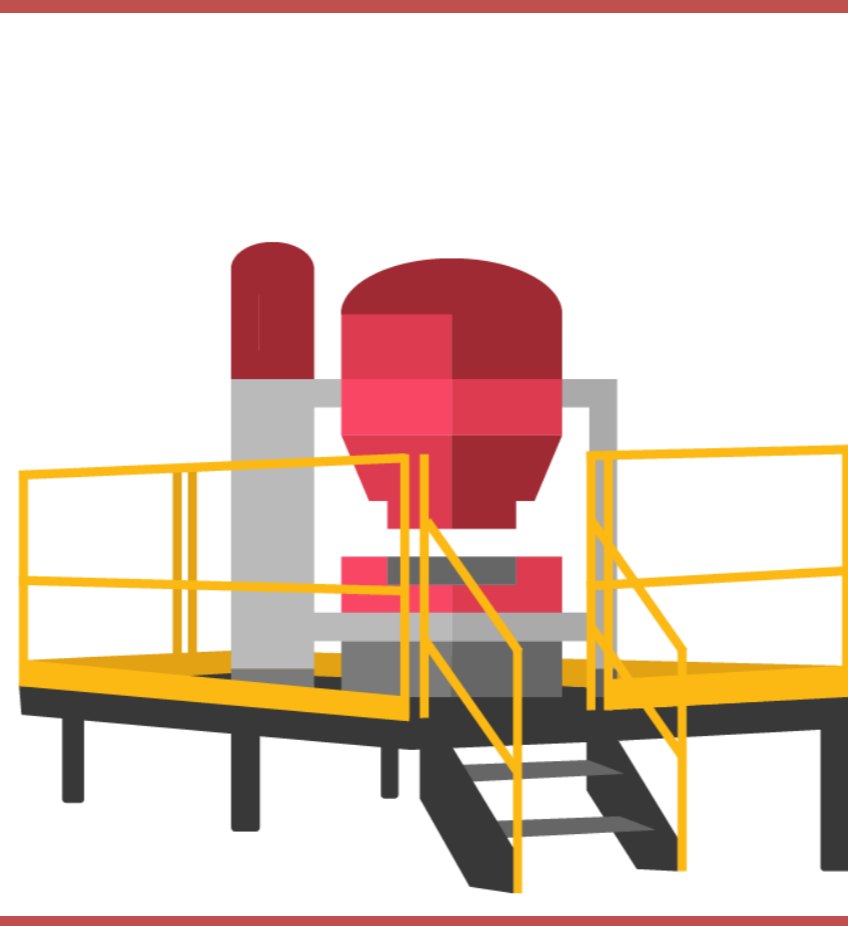


Understand the current view of your business's inherent and actionable climate risk.

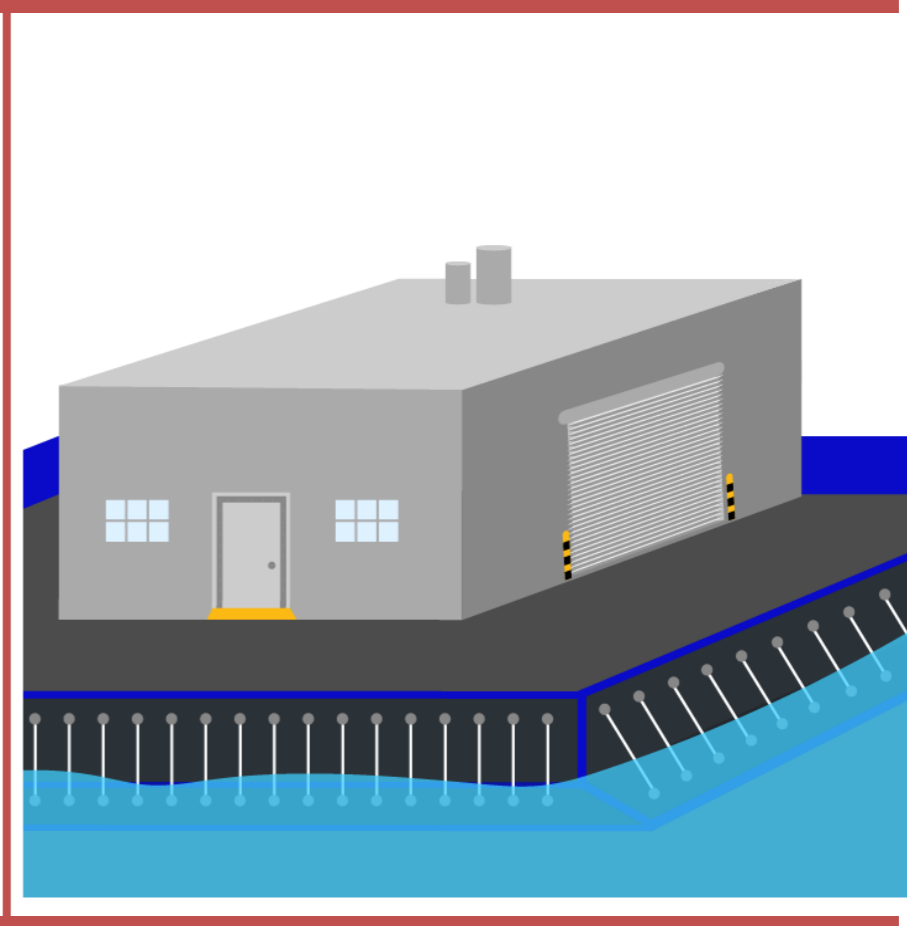
Flood Resilience – How Does It Work?



Stay Above Flood Elevation



Elevate Equipment



Deploy Flood Barriers

Success Flood Resilience



Climate Resilience Index

Plan



Climate Risk

Prepare



Climate Change Impact

Adapt





Modeling climate change for prominent climate perils:

- Extreme precipitation
- Wind
- Temperature
- Drought
- Sea-level rise

Two Takeaways



Research on Hazards and Solutions to:

1. Understand Your Climate Risk

Next...

2. PPA

Plan, Prepare, and Adapt - Increasing Natural Hazard Risks.

RESILIENCE IS A CHOICE.



Thank you. Any questions?



FM Global



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PANEL SESSION 1

The New Frontier Risk Landscape - Riding the Wave of Uncertainty



Tim Dempsey
Executive Vice President
AON Malaysia



Daniel Maclachlan
Principal - South East Asia
Control Risk



Dato' Arthur Wang
Chairperson
Bar Council Risk
Management Committee



Olivia Marie Wong
General Manager
Group Risk & Insurance
Sarawak Energy Berhad

AON



The New Frontier Risk Landscape - Riding the Wave of Uncertainty

Tim Dempsey

The World is Changing Faster than ever before

Over the past several years, the world has been experiencing increasing levels of volatility, and the growing awareness that risks once thought on the horizon — like **climate change**, the **health-wealth gap**, and **cyber threats** — are now here on our doorstep.

Volatility is the new norm with rising **inflation** and **climate challenges**, increased **food insecurity** and **homelessness** in communities around the world.

A member of the European Central Bank Board dubbed our current period the “**Great Volatility**” —contrasting it with what has been known as the “**Great Moderation**,” a period defined by consistent growth and relative stability.

Three fundamental characteristics needed in the Great Volatility

- 01** Embracing risk presents a challenge and an opportunity
- 02** Building workforce resilience and a strong talent strategy is critical
- 03** Don't hit the brakes on long-term investment — or ignore long-tail risks

AON

Setting the Scene

Panel Discussion

What is the number 1
business risk that keeps you
up at night?

Join at
slido.com
#111 666
Passcode:
1234





What is the number 1 business risk that keeps you up at night?

Wordcloud Poll



185 responses



123 participants



2021 Global Risk Management Survey Full Risk Rankings

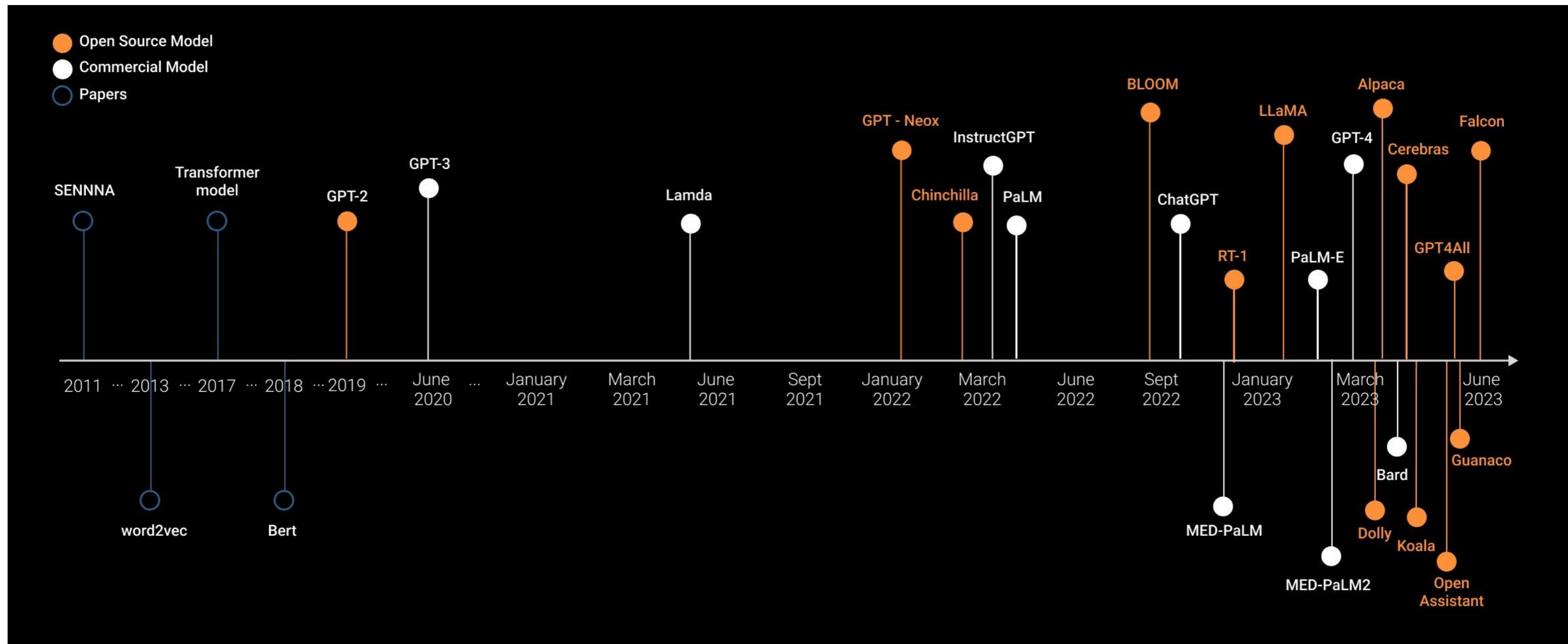
● Partially Insurable ● Insurable ● Uninsurable

1 Cyber Attacks/ Data Breach	2 Business Interruption	3 Economic Slowdown/ Slow Recovery	4 Commodity Price Risk/ Scarcity of Materials	5 Damage to Reputation/ Brand	6 Regulatory/ Legislative Changes	7 Pandemic Risk/ Health Crises	8 Supply Chain or Distribution Failure	9 Increasing Competition	10 Failure to Innovate/ Meet Customer Needs
11 Accelerated Rates of Change in Market Factors	12 Cash Flow/ Liquidity Risk	13 Failure to Attract or Retain Top Talent	14 Workforce Shortage	15 Exchange Rate Fluctuation	16 Political Risk	17 Tech Failure/ System Failure	18 Environmental Risk	19 Counterparty Credit Risk	20 Property Damage
21 Vendor Management/ Third Party Risk	22 Weather/ Natural Disasters	23 Climate Change	24 Capital Availability	25 Product Liability/ Recall	26 Data Privacy (including GDPR) Requirements/ Non-Compliance	27 Concentration Risk (Product, People, Geography, Etc.)	28 Major Project Failure	29 Work Injuries	30 Disruptive Technologies
31 Corporate Social Responsibility (CSR)/ Environmental Social Governance (ESG)	32 Geopolitical Volatility	33 Asset Price Volatility	34 Conduct Risk/ Unethical Behavior	35 Aging Workforce and Related Health Issues	36 Third-Party Liability (e.g. E&O)	37 Merger/Acquisition/ Restructuring	38 Failure to Implement/ Communicate Strategy	39 Absenteeism	40 Outdated Tech Infrastructure
41 Interest Rate Fluctuation	42 Inadequate Succession Planning	43 Intellectual Property Risks	44 Globalization/ Emerging Markets	45 Personal Liability (Directors & Officers)	46 Rising Healthcare Costs	47 Fraud or Embezzlement	48 Outsourcing	49 Theft	50 Artificial Intelligence (AI)
51 Terrorism	52 Impact of Brexit	53 Share Price Volatility	54 Harassment/ Discrimination (Employment Related)	55 Sovereign Debt	56 Gender Pay Gap	57 Pension Scheme Funding	58 Extortion	59 Kidnap and Ransom	60 Impact of Blockchain Tech

2021 Global Risk Management Survey Top 10 Current Risks

1 Cyber Attacks/ Data Breach	2 Business Interruption	3 Economic Slowdown/ Slow Recovery	4 Commodity Price Risk/Scarcity of Materials	5 Damage to Reputation/ Brand
6 Regulatory/ Legislative Changes	7 Pandemic Risk/ Health Crises	8 Supply Chain or Distribution Failure	9 Increasing Competition	10 Failure to Innovate/Meet Customer Needs

The Pace of Change The Era of Transformative AI?

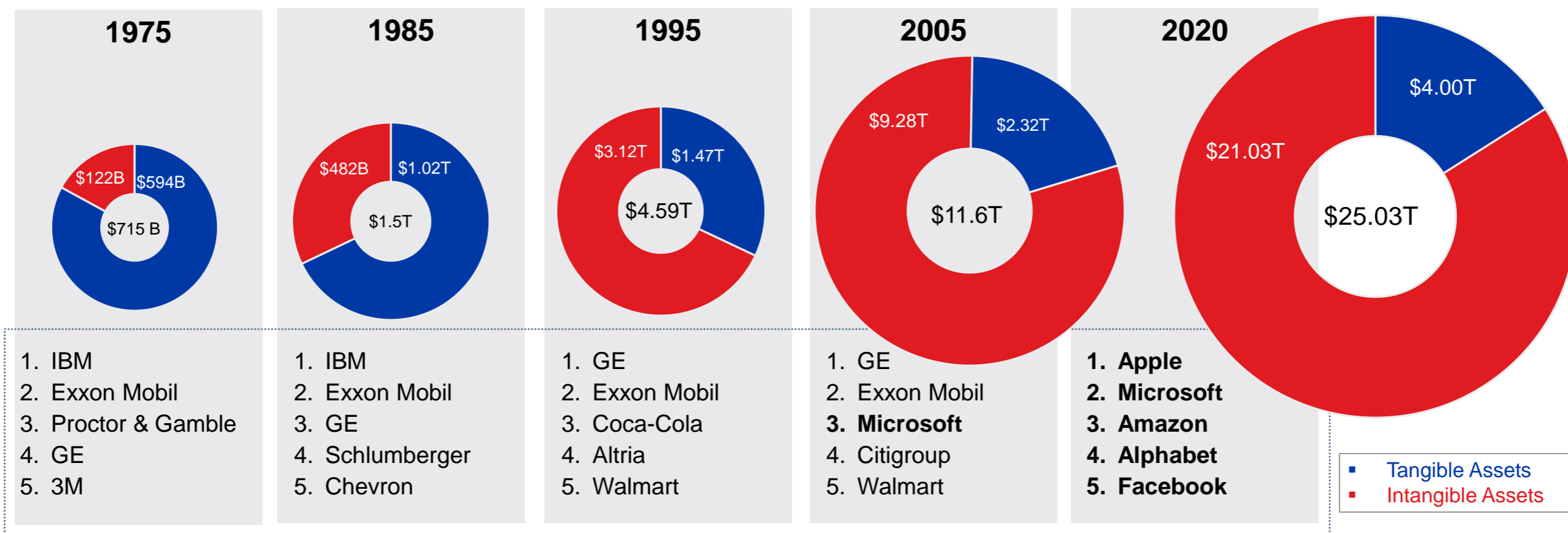


The Pace of Change The Era of Transformative AI?



Increasing Dominance of Intellectual Property

- Over the past 40 years, global corporations have seen a dramatic shift in value from tangible to intangible assets
- Intangible assets now comprise 85% of the value of the S&P 500, up from 17% in 1975



Source: Ocean Tomo

< 5 Largest Companies by Market Cap in S&P 500 >



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