

MEMORANDUM RASMI

DARIPADA: Pejabat Timbalan Menteri Tenaga dan Kelestarian Alam Sekitar Sarawak	KEPADA: Untuk Agihan Semua Media
PERKARA: Sila lihat di bawah	SALINAN KPD:
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Hebahan Berita Kepada Pihak Media

Dengan hormatnya, perkara di atas adalah dirujuk.

2. Dengan ini saya memaklumkan satu hebahan berita kepada semua media untuk di siarkan.
3. Sehubungan itu, saya berharap pihak tuan/puan dapat menyiarkan berita tersebut.

Sekian terima kasih.

"BERSATU BERUSAHA BERBAKTI"
"AN HONOUR TO SERVE"



(SYANAYA NASYA BINTI SHAHARONY)

Pegawai Tadbir Khas

Timbalan Menteri Tenaga dan Kelestarian Alam Sekitar Sarawak

CARBON EMISSIONS, GLOBAL WARMING AND SEA LEVEL RISE (SLR)

KUCHING, Sarawak - Protecting the safety of people, land and future generations is a core government mandate, extending beyond economic and political achievements.

The October 2024 seawater backflow incidents along China's coast, from Liaoning to Jiangsu, serve as a stark warning. The incidents which saw coastal cities flooded within minutes despite the absence of rain or wind, are potentially linked to shifting continental shelves.

While rare, these events underscore the need for governments to incorporate such risks into safety planning. China's westward relocation of key talents, industries and assets can be a model for Sarawak to proactively assess and address its own coastal vulnerabilities. Ignoring this potential risk, they cautioned, could have severe economic and social consequences.

Rising seas levels and shifting continental shelves pose a significant threat to the extensive coastline and its concentration of residential, industrial and vital power infrastructure near the coast.

This vulnerability mirrors a global trend, with studies indicating that hundreds of residential, industrial and power plants worldwide, could be inundated by mid-century due to climate change. The strategic placement of many coastal residential, industrial and power plants at low elevations further exacerbates the risk.

Extreme weather events is a sign of the Times. The increasing frequency of extreme weather events underscores the urgency of the situation. From the recent devastating floods in Sarawak to a catastrophic overnight rainstorm that ravaged the Balkans last October, and even unusual flooding last August in the Taklimakan Desert in Xinjiang—an arid, deep inland region of China known for droughts and low precipitation—these events demonstrate the growing need for governments to enhance safety and disaster planning.

Proactive planning of residential and industrial areas and power disruptions which trigger widespread disruption across essential services, including transportation, water and healthcare, is highly crucial.

Safeguarding Sarawak's power infrastructure is crucial for the state's continued economic and social well-being.

A comprehensive plan is required for residential, industrial areas and power sector modelling tailored to Sarawak's unique coastal geography and land dynamics, including

subsidence and uplift. Understanding these localised factors is crucial for accurate risk assessment and effective adaptation. Their approach involves four key components:

1. **Scenario-based planning** to assess residential, industrial areas and power infrastructure vulnerability under various emission scenarios and sea level rise projections;
2. **Geospatial analysis** to map at-risk residential, industrial areas and power assets;
3. **Risk assessment** to evaluate economic and social impacts on Sarawak's power system.
4. **Optimisation models** to incorporate sea level rise considerations into residential, industrial areas and power system planning, optimising investments in resilient infrastructure.

Datuk Dr. Hj Hazland bin Abg Hj Hipni, Sarawak's Deputy Minister of Energy and Environmental Sustainability, hosted Professors Woo Wing Thye and Leong Yuen Yoong from the UN Sustainable Development Solutions Network (SDSN), Asia Headquarters, Sunway University. The visit marks a significant step toward strengthening cooperation on sustainable development and climate resilience.

This visit marks an important step in strengthening partnerships between Sarawak and the global community to address climate change, promote sustainable energy solutions and safeguard the future for generations to come.

Discussions focused on the critical need to integrate Sea Level Rise (SLR) projections into Sarawak's residential, industrial areas and power sector modeling. The meeting emphasised that such foresight is crucial for ensuring the resilience of energy infrastructure against climate threats and for effective government safety planning.

Datuk Dr. Hj Hazland bin Abg Hj Hipni expressed gratitude for the insightful presentation and reaffirmed Sarawak's commitment to sustainable energy and climate resilience. Both parties agreed to explore further collaboration on power sector modelling and policy recommendations to safeguard Sarawak's energy infrastructure against rising sea levels.