

URBAN SOLUTIONS AND SUSTAINABILITY R&D CONGRESS 2023

Building Sustainable Resilient and Liveable Cities of Tomorrow

FINANCING THE NET-ZERO TRANSITION

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Managing Director

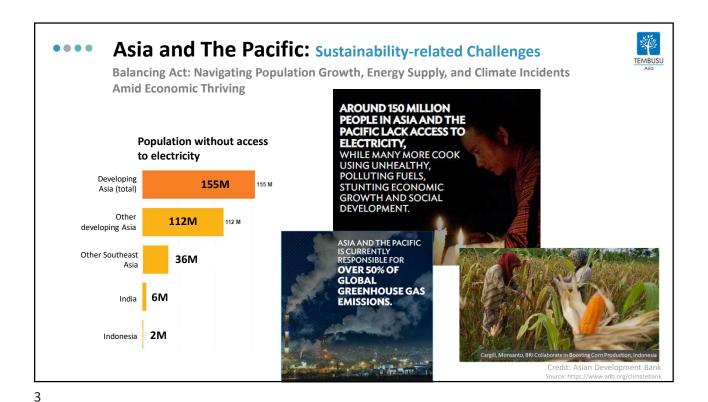
TEMBUSU Asia Consulting Pte. Ltd.

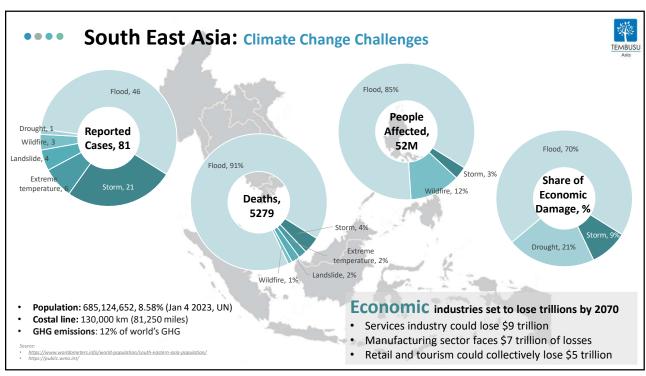
5th October 2023

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SUSTAINABILITY & CLIMATE-RELATED RISKS & CHALLENGES IN THE REGION





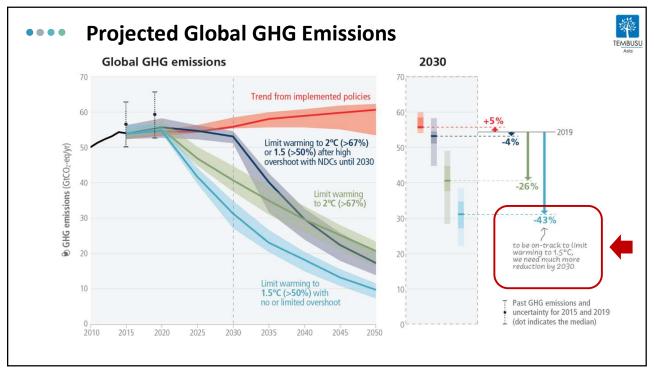
South East Asia Climate Ambition COP26 raised SEA's climate ambition, with eight out of ten countries now having net zero targets and two new countries piloting carbon taxes Updated from 2021 GE Report No changes from 2021 GE Report Does not exist Myanmar (**Philippines** Malaysia Singapore Thailand Vietnam 2050+2 Net Zero (2050+) 2050 (2050+)1 2050 NDC date of Jul 2021 Dec 2020 Dec 2020 Jul 2021 Apr 2021 Mar 2020 Sep 2020 May 2021 Aug 2021 Oct 2020 Unconditional ~29% ~60% ~3% ~36% ~20% ~9% Conditional ~41% ~67% ~75% ~25% ~27% Carbon tax (~\$2/tCO₂e) for coal power, full market by 2025 Carbon tax and ETS under consideration ETS legalized – Pilot Carbon Exchange from 2025 Carbon pricing (in USD) Carbon Carbon tax (~\$4/tCO₂e) ETS under pricing to be implemented by 2025 to increase to \$40-60 by 20 11% by 2030⁶ (non-hydro) Protect >20% of terrestrial and 10% of coastal Increase forest under public Increase forest cover to 42% of total area by 2030 Increase forest cover to 70% over to 55% ha of forests and 1.9m ha of total area (conditional) by 2030 41% to 55% by 2035 of total area by 2037 areas by 2025

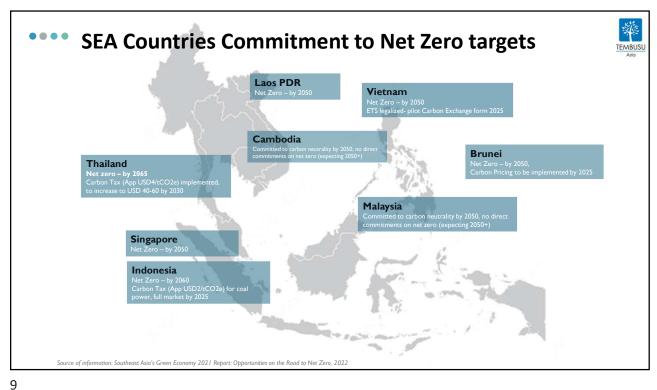
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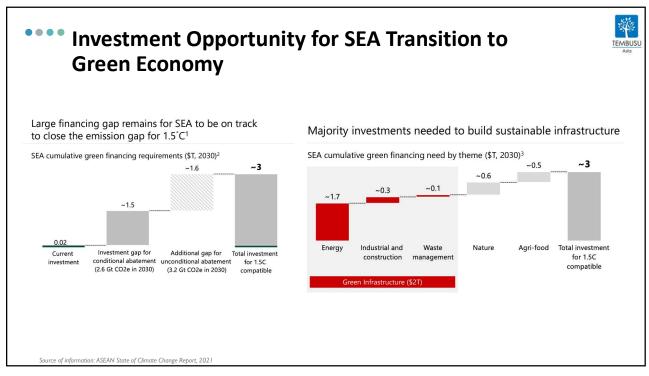
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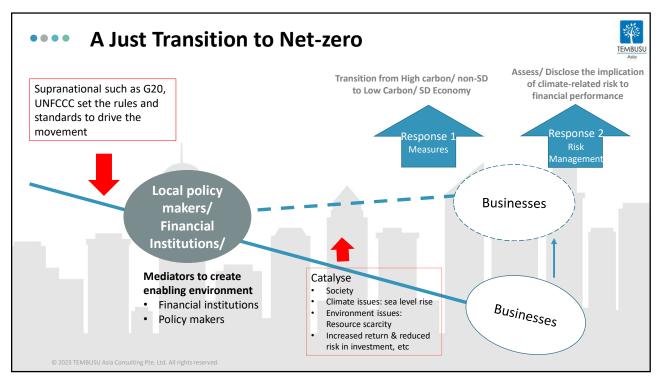
A Just Transition to Net-Zero Co-evolution of market trends, regulatory requirement, technologies, business strategies, societal pressure etc. are driving the transition to low-carbon economy **Reporting of Environmental EU Carbon Border Risk Management** Mechanism (CBAM) **Multilateral Green** Sustainable Finance **Economy Agreement Carbon Tax Technology Innovations** for Climate Actions Green **Procurement Mandatory Packaging Consumers support** Reporting (MPR) **Extended Producer Environmentally** Responsibility (EPR) **Friendly Products**

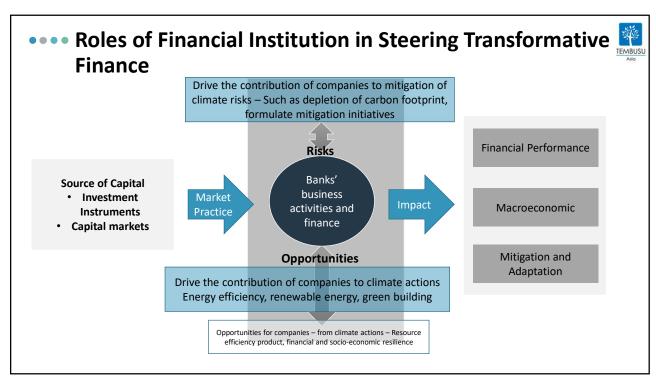


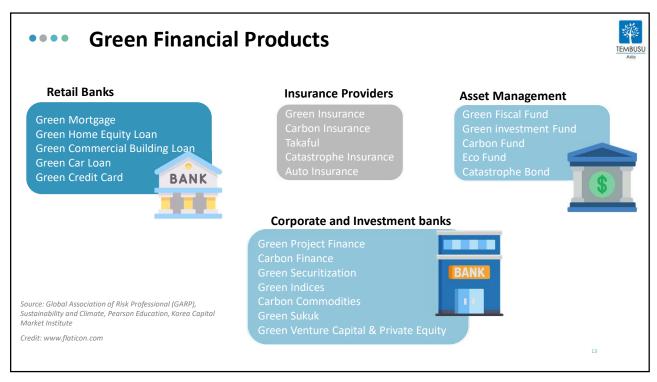


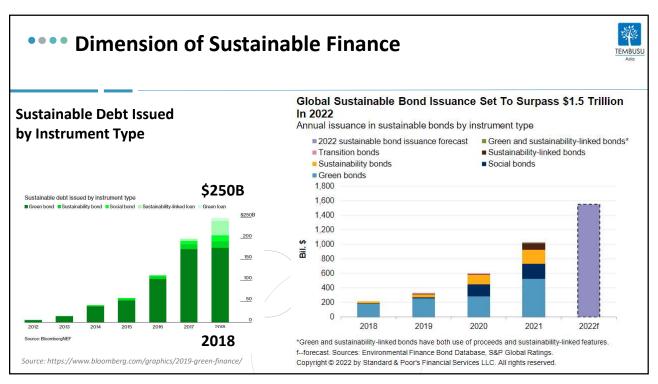


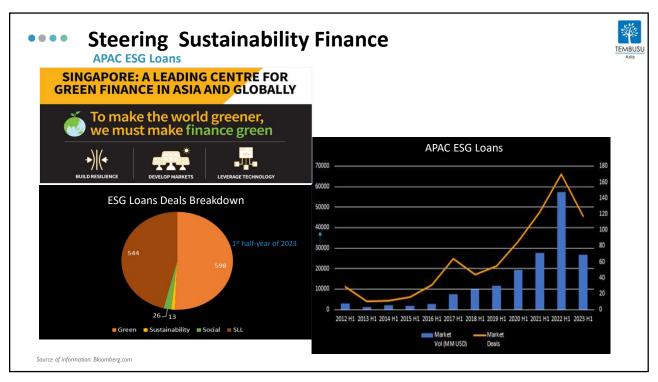


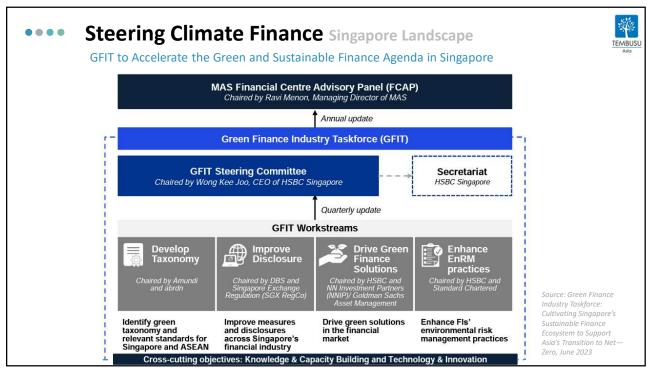


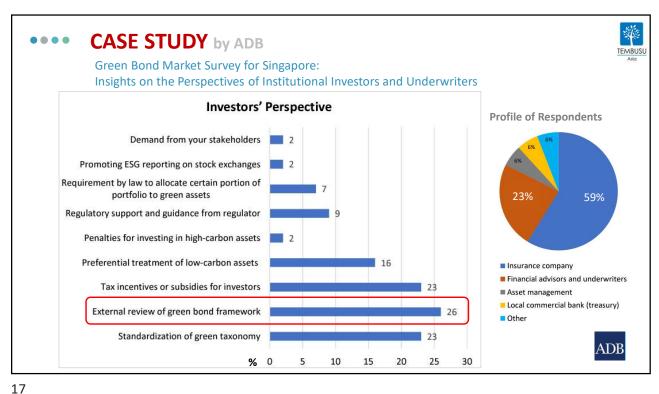






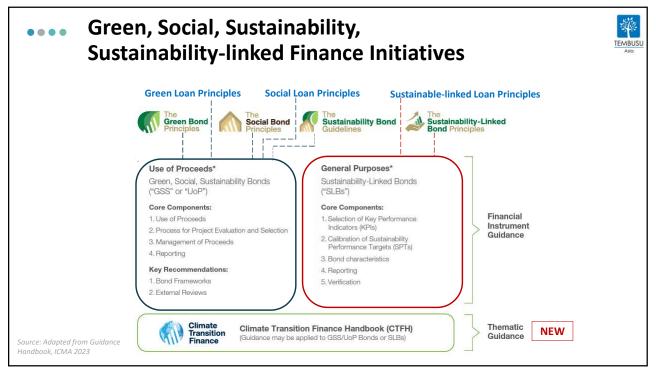


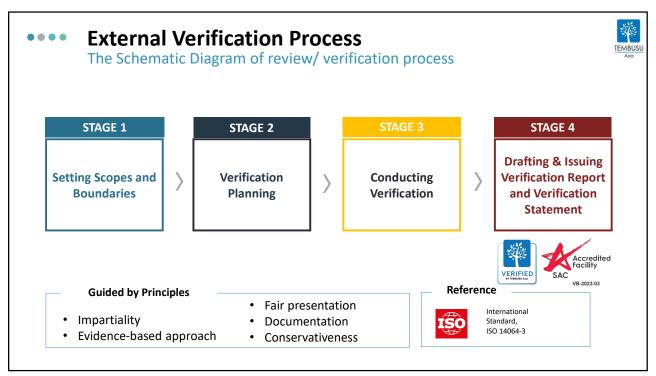












Focus Area of Verification Activities

Details of activities would be decided based on Review Plan designed at STAGE 2

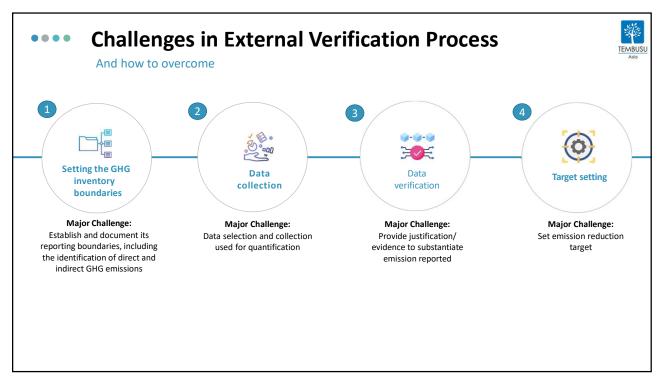
Management System

Technical System

Performance
Evaluation Procedure

Reporting Methodology

Data Quality



Verification of Sustainability Performance Target and KPI for Sustainability-linked Loan







TEMBUSU Asia was engaged by a multi-disciplinary company in the Oil & Gas industry to review and verify the baseline for their Sustainability Performance Targets (SPT) and Key Performance Indicators (KPI) for a Sustainability-Linked Loan. TAC served as an independent party to review its SPT and KPI identification and verified its GHG inventory baseline in accordance with the International Standard ISO 14064-3:2019.

Scope:

- Reviewed a subset of reported data, calculations and methodologies used to generate the inventory report and GHG data management system
- · Conducted select field audits of a representative facility
- · Conducted desk audit of data
- Examined the reported levels of accuracy and uncertainty of emission estimates

