Green External Review and Assessment

Discussant: Weina Zhang, SGFIN | NUS

11 July 2022





Main Questions and Answers

Who?

A: Dominated by the Private Sector

S: Regulating private reviewers

A: Yes to collect real time impact and outcome data S: IoT and Blockchain

Could technology help?

External review

What approaches?

A: Allocation reporting and impact reporting

S: Improve the consistency and comparability of impact reporting by standardization

Activity vs. entity level?

A: Dominated by activity level

S: focus on entity level (e.g., SLBs)







Main Comments

- Who: Private sector solutions currently dominate the green external review market, and offer a range of different approaches, such as second-party opinions, third-party certifications, ESG ratings, assurance, and audit.
- -> Comment #1: Who can the regulators focus first?
- What approach: Clear and meaningful reporting underpins any effective external review or assessment of green bonds.
- -> Comment #2: how to incentivize SMEs for high-quality disclosure?
- New green finance instruments, and most particularly sustainability-linked debt (such as sustainability-linked bonds, or SLBs), have built-in quantitative targets against performance indicators.
- -> Comment #3: How can financial market facilitate the information dissemination?
- Lastly, greater availability of data is needed to broaden the scope for verifying outcomes related to environmental objectives.
- -> Comment #4: Who else can help to increase the data availability?





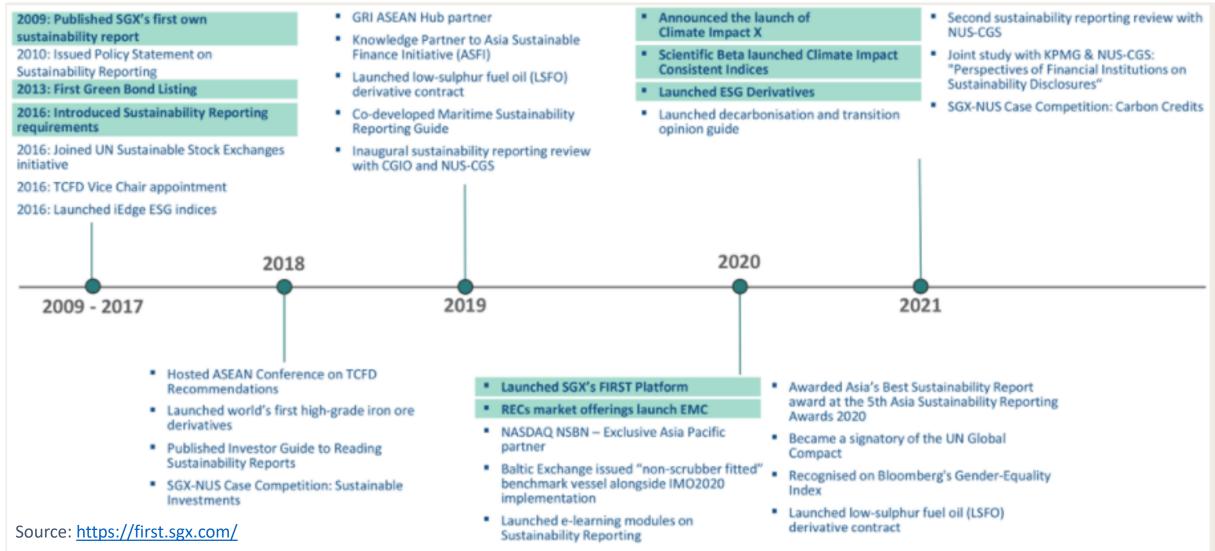
Comment #1: Who can regulators focus on first?

Who What How Sustainalytics **SPO** Issuer framework ICMA GBP/GLP **CECERO** Issue framework. Certification CBI, taxonomies CBI proceeds Accounting **Assurance Audit firms** Compliance principles Sustainability **MSCI ESG** ratings ESG scorecard credentials Vigeo Riris





Example: SGX's Sustainability Reporting Milestones









recommends
a list of 27
"Core ESG
Metrics" for
issuers to
use as a
starting
point for
sustainability
reporting.

Pillars	Topic	Metric	Unit		
	Croombouse Coe Fraissions ("CUC")	Absolute emissions by: (a) Total; (b) Scope 1, Scope			
		2; and (c) Scope 3, if appropriate	tCO2e		
	Greenhouse Gas Emissions ("GHG")	Emission intensities by: (a) Total; (b) Scope 1, Scope			
		2; and (c) Scope 3, if appropriate	tCO2e/organisation specific metrics		
Е	Energy Consumption	Total energy consumption	MWhs or GJ		
	Lifetgy Consumption	Energy consumption intensity	MWhs or GJ/organisation specific metrics		
	Water Consumption	Total water consumption	ML or m ³		
	Water Consumption	Water consumption intensity	ML or m ³ /organisation specific metrics		
	Waste Generation	Total waste generated	t		
	Gender Diversity	Current employees by gender	%		
		New hires and turnover by gender	%		
	Age-Based Diversity	Current employees by age groups	%		
		New hires and turnover by age groups	%		
	Employment	Total turnover	Number and %		
S	Employment	Total number of employees	Number		
3	Development & Training	Average training hours per employee	Hours/No of Employees		
	Development & Training	Average training hours per employee by gender	Hours/No of Employees		
	Occupational Health & Safety	Fatalities	Number of cases		
		High-consequence injuries	Number of cases		
		Recordable injuries	Number of cases		
		Recordable work-related ill health cases	Number of cases		
	Board Composition	Board independence	%		
		Women on the board	%		
	Management Diversity	Women in the management team	%		
G	Ethical Behaviour	Anti-corruption disclosures	Discussion and Number of Standards		
		Anti-corruption training for employees	Number and %		
	Certifications	List of relevant certifications	List		
	Alignment with Frameworks	Alignment with frameworks and disclosure practices	GRI/TCFD/SASB/SDGs/Others		
	Assurance	Assurance of sustainability report	Internal/External/None		





ASEAN GDP Per Capita (1)

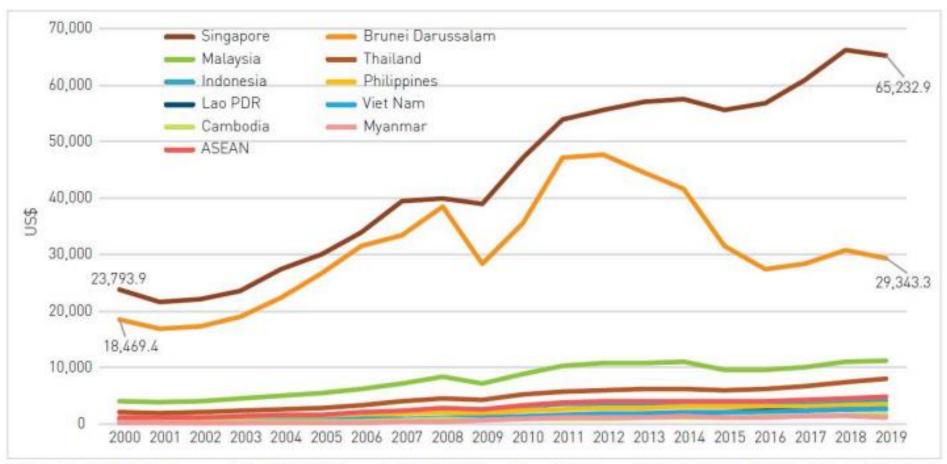


Figure 1: GDP per capita (US\$) by ASEAN Member States, 2000-2019 (ASEAN, 2020 [1])







ASEAN GDP Per Capita (2)

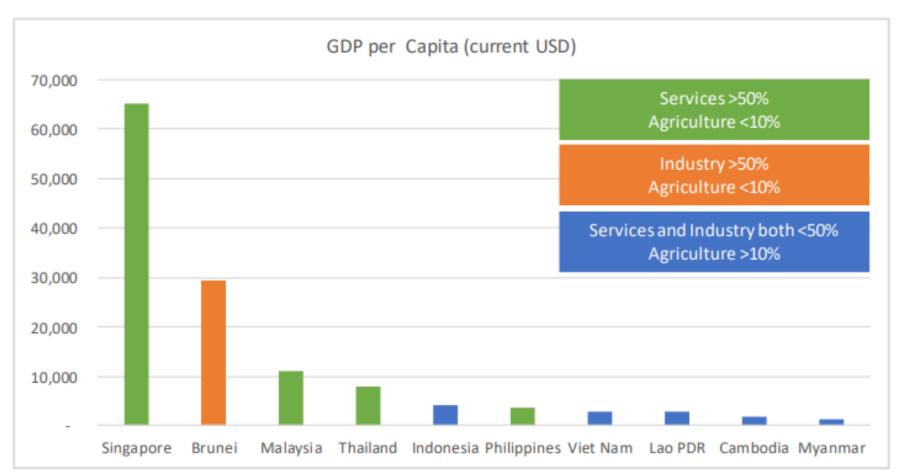


Figure 2: AMS 2019 GDP per capita and Economy Categorisation (ASEAN, 2020 [1])







ASEAN NDC

Table 1: Progress on NDC implementation in ASEAN (UNESCAP, 2020)

Activities	BN	КН	ID	LA	MY	ММ	РН	SG	ТН	VN
Activities	*	蛐		•	() =	*		(:		*
Mainstreaming										
Coordination										
Finance and resources										
Measurement reporting and verification (MRV)										

Nascent	Engaged	Capable	Effective			
BN - Brunei Darussalam; KH - Cambodia; ID - Indonesia; LA - Lao PDR; MY - Malaysia; MM - Myanmar; PH - The						
Philippines; SG – Singapore; TH – Thailand; VN – Viet Nam						





ASEAN Taxonomy (1)

Principle 1

The ASEAN Taxonomy will be the overarching guide for all **ASEAN** Member States. providing a common language and complementing their respective national sustainability initiatives

Principle 2

The ASEAN Taxonomy will take into consideration widely used taxonomies and other relevant taxonomies, as appropriate, and shall be contextualised to facilitate an orderly transition towards a sustainable **ASEAN**

Principle 3

The ASEAN
Taxonomy
shall be
inclusive and
beneficial to all
ASEAN
Member
States.

Principle 4

The ASEAN
Taxonomy
shall provide a
credible
framework,
including
definitions, and
where
appropriate, be
science-based

Principle 5

The ASEAN
Taxonomy will
be aligned with
the
sustainability
initiatives taken
by the capital
market,
banking and
insurance
sectors, or at
least not in
conflict

Figure 9: ASEAN Taxonomy 5 High Level Principles







ASEAN Taxonomy (2)

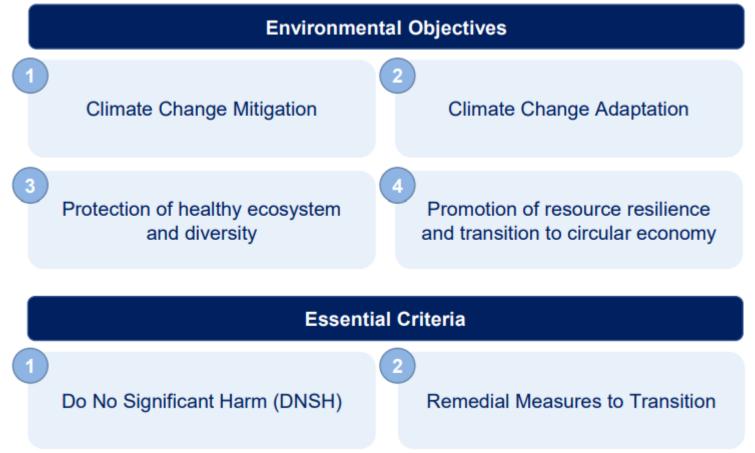


Figure 11: Environmental Objectives and Essential Criteria







Comment #2: How to incentivize SMEs?

- For the public-listed firms, standardization and regulations can be enforced. (Singapore, Taiwan, Hong Kong SAR and China)
- How about private firms (SMEs)?
 - Training and empowerment
 - Cost and benefits analysis
 - Standardization of the metrics can be potentially enforced through development banks, commercial banks and microfinance institutions.
 - In Singapore, Singapore Enterprise Association can play a more important role in empowering SMEs in tracking, measuring and reporting the impact metrics.





Comment #3: Bond Market Information Disclosure

- Government bonds and corporate bonds are still lacking in the information disclosures in pricing and volume.
 - In the U.S., FINRA took many years to enforce the establishment of TRACE
 - In China, WIND is catching up in providing more pricing information of bond instruments.
 - In other Asian countries, there is still a lack of pricing and trading information of the green securities. Bloomberg and Cbond are still increasing in their coverage of the green bonds etc.
 - Globally, there is a lack of free bond pricing databases like TRACE in the U.S.
 - World Bank, ADB, CBI have limited data disclosures in GB's impact.





Comment #4: FinTech Applications

- Implementation of IoT in reliable data collection:
 - Indonesia AIDF and SGFIN track the sustainable farming activity of the farmers.
 - Myanmar SGFIN is engaging the local capacity builder to innovate for financial solutions to support sustainable farming by the locals.
- Carbon Trading platforms would help to facilitate the further adoption by public and private listed companies as it provide right monetary incentives for trading the carbon credits.



In Summary

- Regulate the listed companies in standardized impact measurement and reporting
- Incentivize the private firms with financing benefits such as lower cost of capital and revenues from carbon trading
- Empower investors and consumers to hold the firms accountable for their disclosures.
- Further development of financial market instruments in terms of transparency, depth and breath of the green securities.



