

# Measurement & Evaluation Panel Session

Eric Ricaurte, CEO

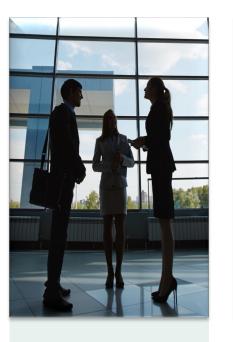
Greenview

Presented at: GSTC Conference 2024



# GREENVIEW

- Founded in 2008
- Headquartered in Singapore and the US with 30 team members
- Instrumental role in sustainability measurement, criteria, benchmarking, methodologies, and collaboration for our industry
- Serving clients of all sizes and locations globally



Corporate Consulting & Advisory



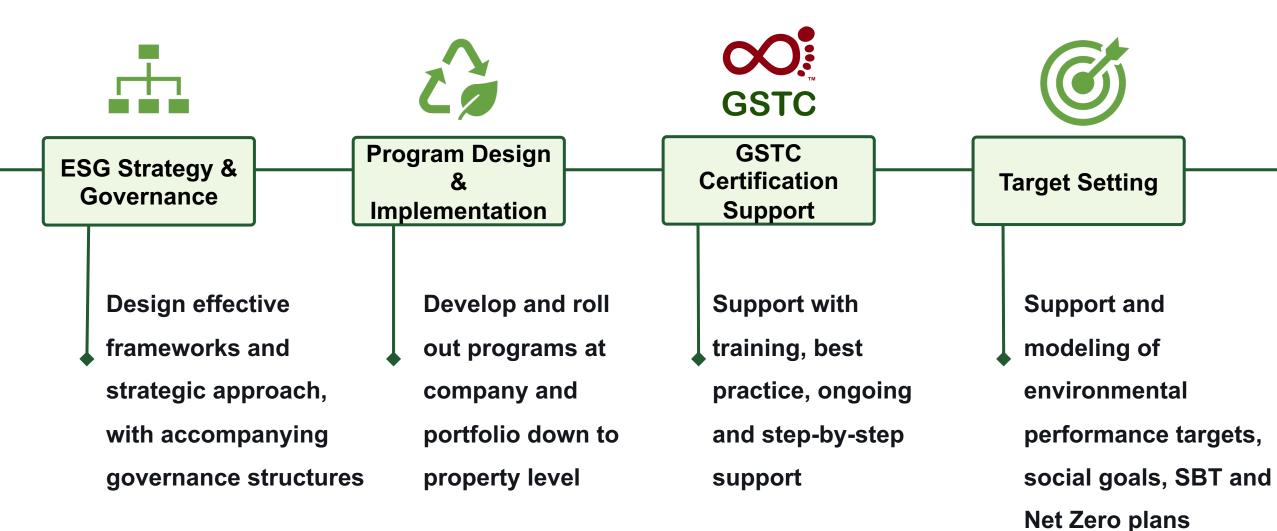




Industrywide Initiatives & Methodologies

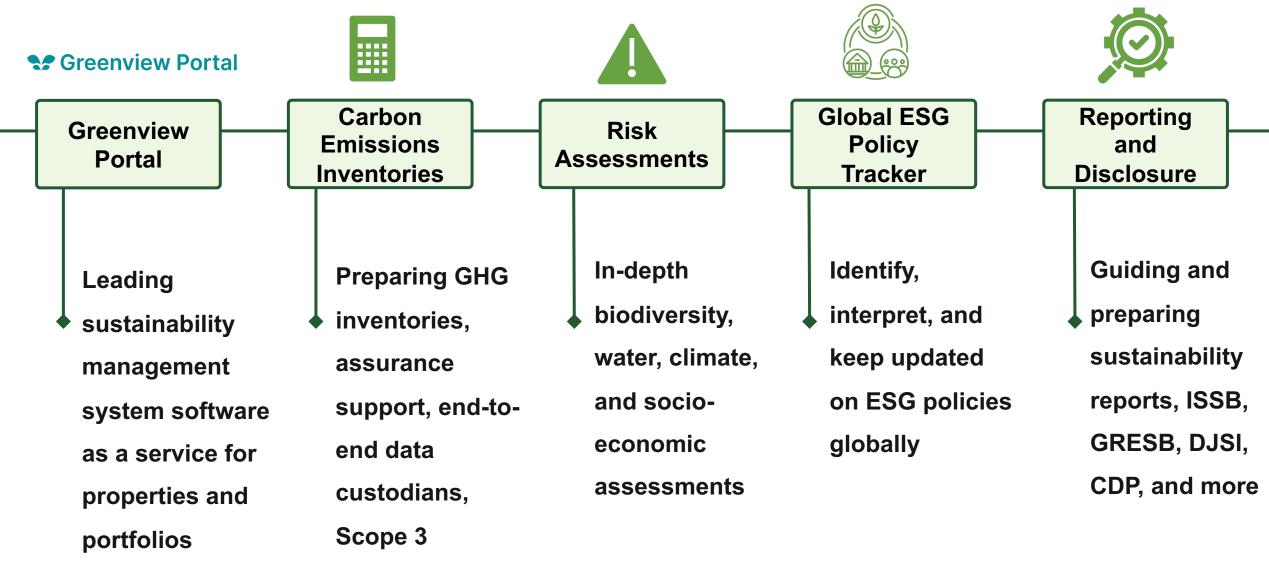


### **Corporate Consulting & Advisory**





# Data, Reporting, and Software



#### **Greenview Developed Many of our Industry's Methodologies**



Hotel Carbon Measur Initiative (HCMI)	Sustain Hospita Alliance	
Results		Energy
Total CO2e for reporting period	1,616.64 tCO2	consumptio
Total guestrooms carbon footprint	1,212 tCO2e	Outsourced
Total meetings carbon footprint	404 tCO2e	20025
Carbon footprint per occupied room on a daily basis	24.2 kgCO	2e
Carbon footprint per area of meeting space (1 sqm/sqft) on an hourly basis	0.1 kgCO:	2e Outsourced laundry
CO2 emissions for a specific clie	nt:	
Number of room nights for client	75	
Amount of meeting space occupied by client	100	Refrigerants
Duration of client's meetings	10 Hours	
Client's rooms carbon footprint	1,819 kgCO2	2e
Client's conference carbon footprint	81 kgCO2	2e Mobile fuel
Total client's carbon footprint	1,900 kgCO	2e





## **Greenview Leads Many Hotel Industry Initiatives**

Sustainable Hospitality

**Risk Index** 

2nd edition. March 2023

**Destination Water** 





GREENLODGING TRENDS

# **Hotel Footprinting Tool**

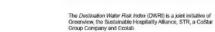


If you are representing a company and would like to integrate data from the taol into your system or requin more information on the data set and analysis, please contact us at info@greenview.ag





HOTEL OWNERS FOR TOMORROW





ECOLAB str

Hospitality

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# Greenview has served over 100+ companies to-date across its full offering of services

#### **Advisory and implementation**

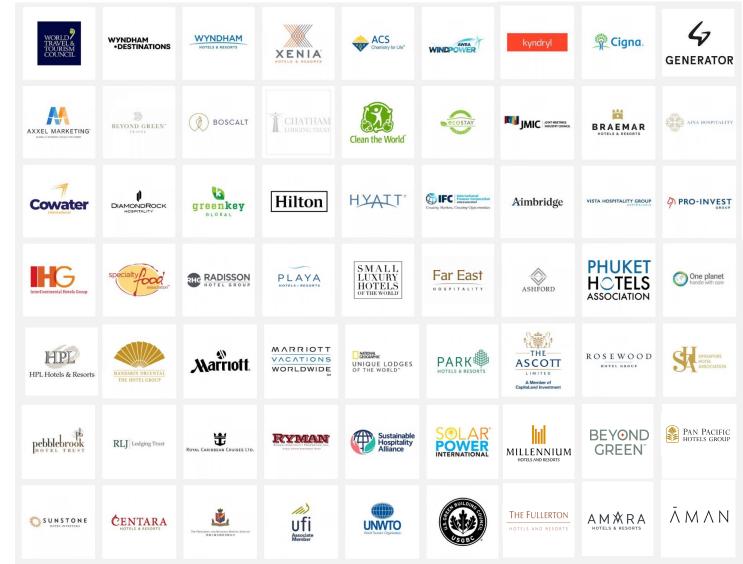
- ESG Strategy & Governance
- Program Design & Implementation
- GSTC Certification Support
- Target Setting
- Greenview Portal: the leading hotel sustainability software

#### **Data analytics and intelligence**

- Carbon Emissions Inventories
- Risk Assessments
- Global ESG Policy Tracker
- ESG Due Diligence Support

#### Industrywide Initiatives

- Sustainability Benchmarking
- Net Zero Hotel Methodology
- Green Lodging Trends Report
- Hotel Sustainability Basics
- Hotel Footprinting Tool



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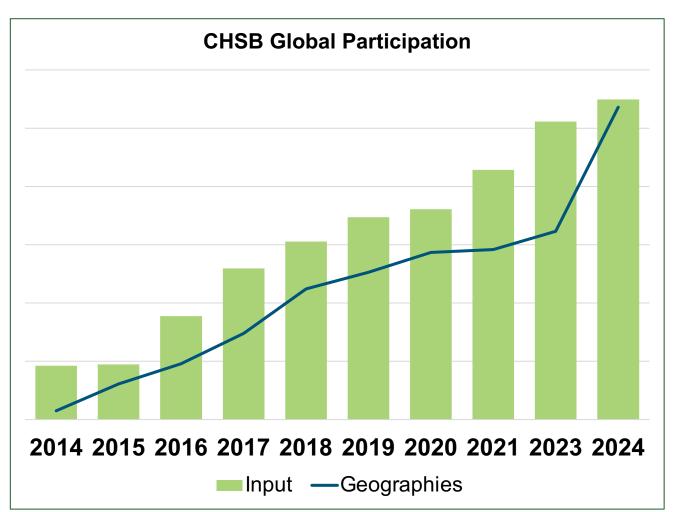
### More Hotels Are Measuring, but Face Challenges

#### Rising interest among companies, datasets have grown significantly

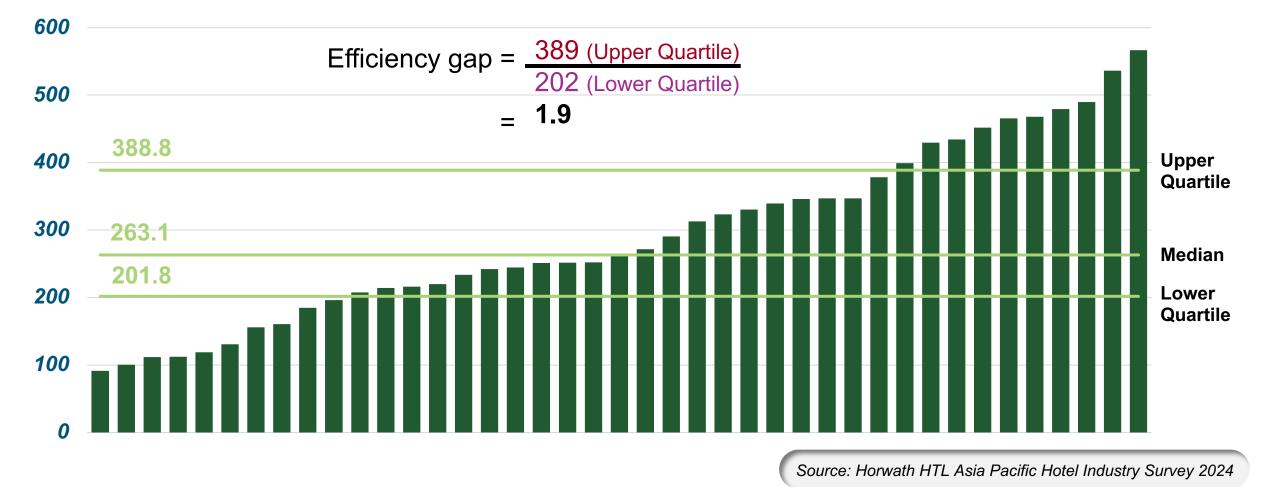
- Regulation and customer
   demand driving adoption
- Ongoing data quality issues
- Capacity building for measurement

Step 1: Get a system Step 2: Realize need for support

with invoices & data validation/comprehension

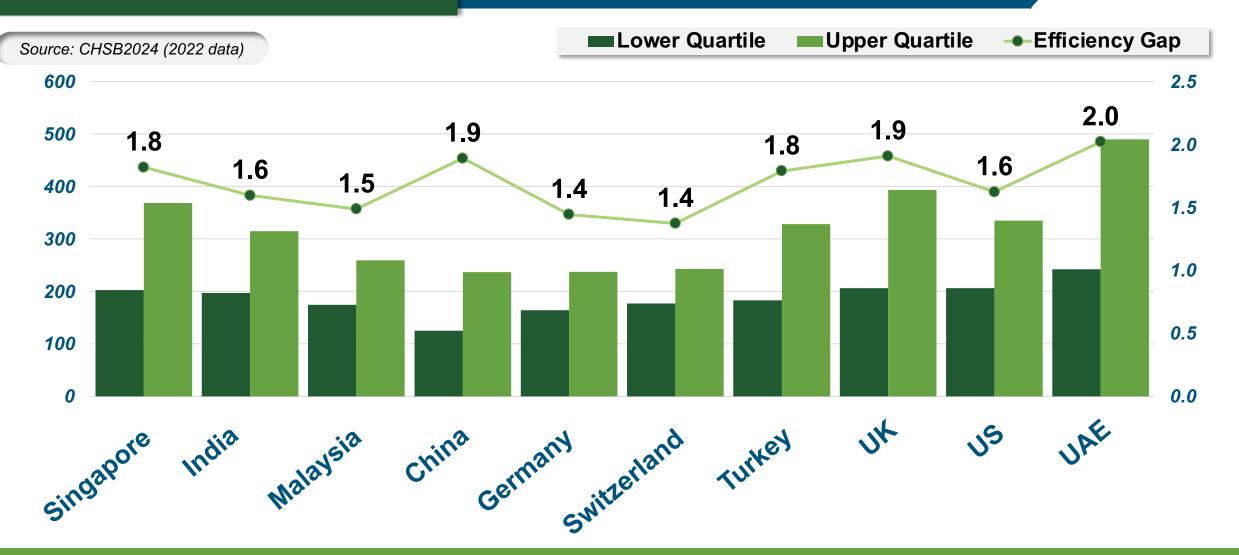


SINGAPORE	Individual hotel Energy Usage (kWh) per Square Meter		
HOTEL ENERGY USAGE (2023)	Full Service Non-resorts Outsourced Laundry		



### Energy Efficiency Gap is a Global Trend

*Full Service NonResort, Offsite Laundry* 



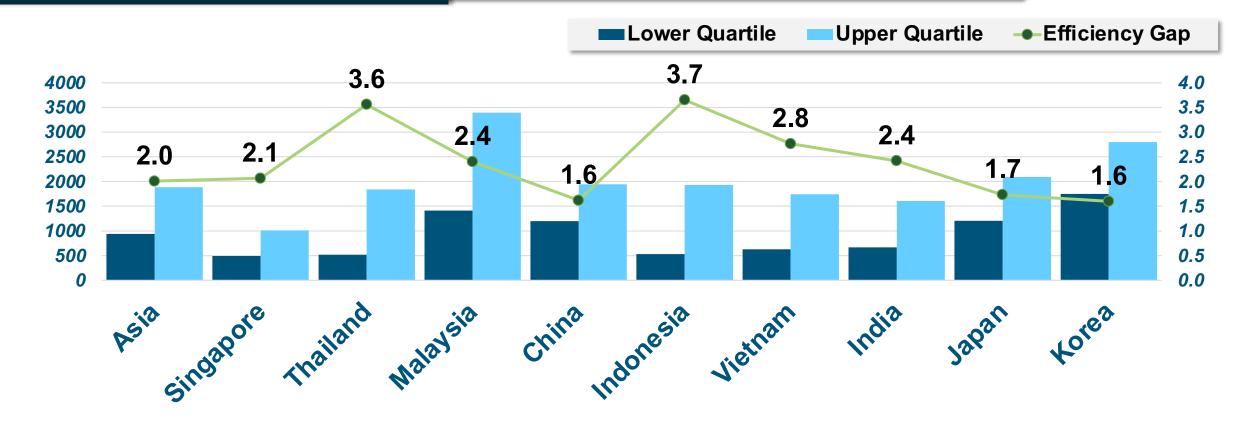
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#### Water Efficiency Gap is a Global Trend (Asia Countries)

Upper & Lower Quartile Ratio of Hotel Water Usage per Occupied Room (L) (2022)

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Full Service NonResort, Onsite Laundry



Source: CHSB2024 (2022 data)



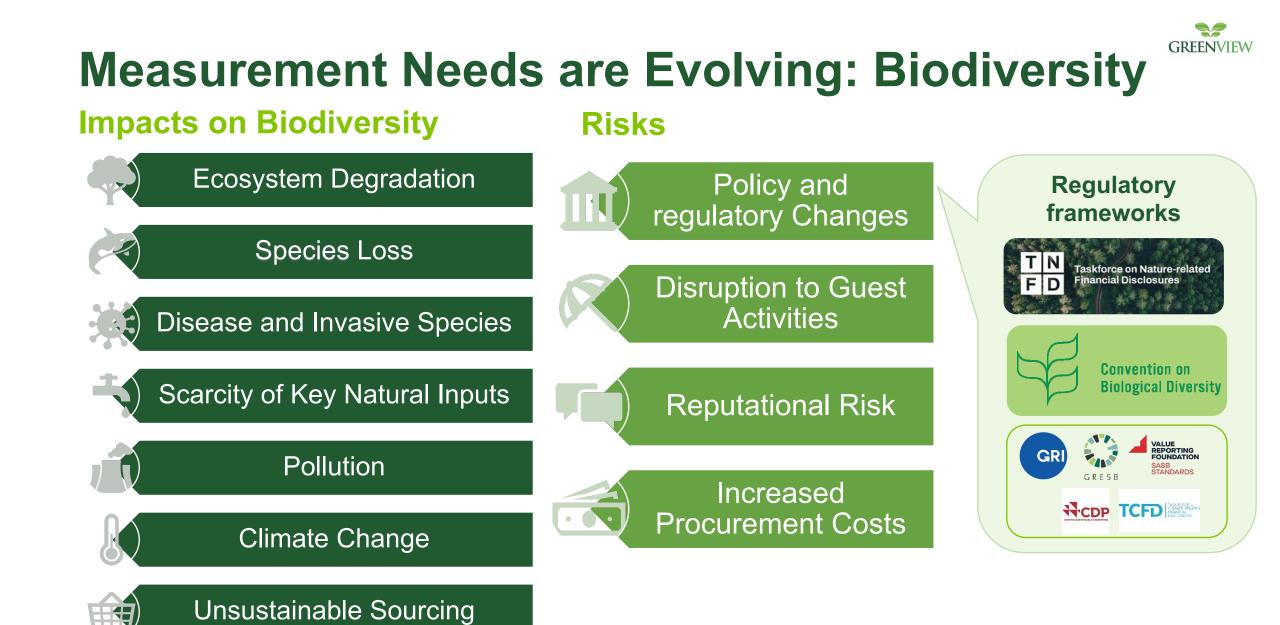
# Measurement Needs are Evolving: Scope 3

#### **Greenview's Three-pronged Approach**

#### **Common Scope 3 Emissions in a Hotel:**

- Outsourced laundry
- Downstream waste
- Upstream emissions from food, services, equipment
- Transport of guests within the destination (not owned)
- Embodied carbon of the building
- Employee commuting, business travel



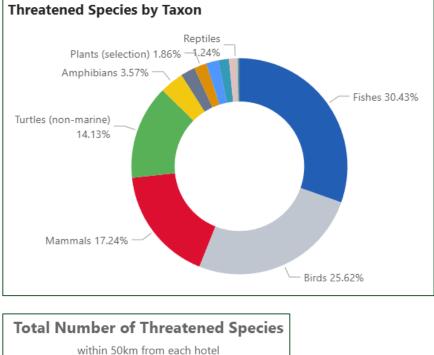


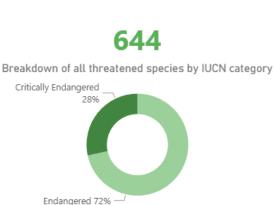


# **Using Biodiversity Data for Action**



<u>Guidance for properties in coastal areas</u>: source sustainable seafood, promote responsible fishing practices, support protection of marine protected areas (MPAs) through staff and guest engagement







# **Measurement Needs are Evolving: Food Waste**

#### Food Waste - Nexus of Key Sustainability Issues





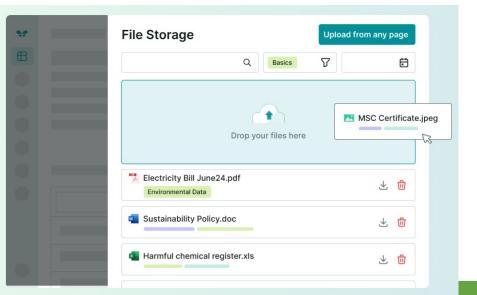
# **Measurement + Evaluation = Documentation**

#### **The Importance of Documentation**

- Drivers of measurement for hotels: <u>Assurance</u>, <u>Verification</u> and <u>Evaluation</u>
- Addressing sustainability data management needs through documentation:
  - What is measured?
  - How was it measured?
  - Where did it come from?

#### Se Greenview Portal

All Initiatives Efficiency and En	vironment Social Impact	Procurement Othe	rs		
	Q Basics $\nabla$				
Name	Period	Last Updated	Status		
Meal Distribution to Local Elderly Basics	02 Jun 2024 - 05 Jun 2024	16 Aug 2024	Completed	ď	G
Linen Reuse & Reduction Basics				ď	Ō
Basics				ď	Ō
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# Challenges Occur when Evaluation Criteria Differs from Measurement Criteria

- 1. Discrepancies exist between summary criteria and satisfactory outcomes
- 2. Discrepancies exist between various auditors/companies
- 3. Be informed on how your data will be evaluated
- 4. Engage auditors to understand audit/verification processes in advance



# **Stay Connected with us**



#### On our Website

Greenview.sg





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On our LinkedIn

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