

**The Contribution Calculations by Sekisui
Chemical Group for GHG Emission Reduction
and its Application in Global Business Activities**

Hitomi Miura
Environmental Management Group
Business Strategy Department
SEKISUI Chemical Co., Ltd.

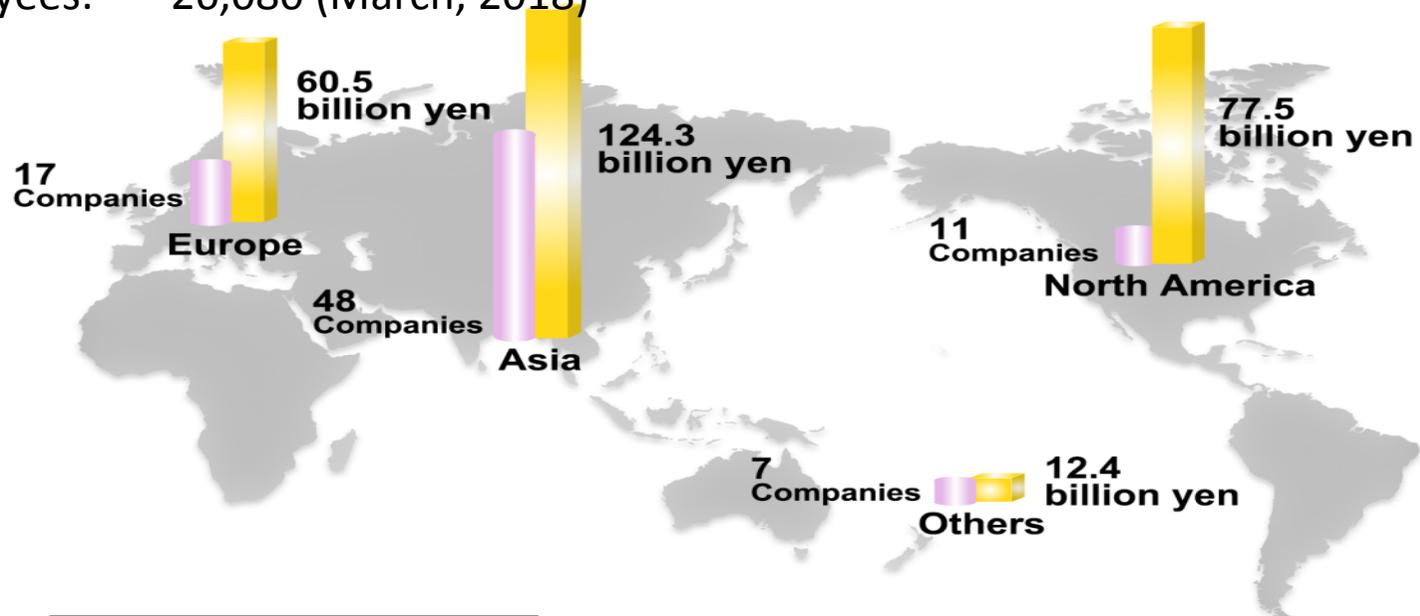


Company Profile: Global Extension



Name: SEKISUI Chemical Co., Ltd.
 Headquarters: Tokyo / Osaka, Japan
 Employees: 26,080 (March, 2018)

Net Sales: 1,107 billion yen
 (March, 2018) = 9.8 billion USD



International Sales (Consolidated)
 Number of affiliated companies

※Consolidated values from March 2018
 ● Total international companies: 83
 ● Net Sales: 274.9 billion yen (international Sales ratio: 24.8%)

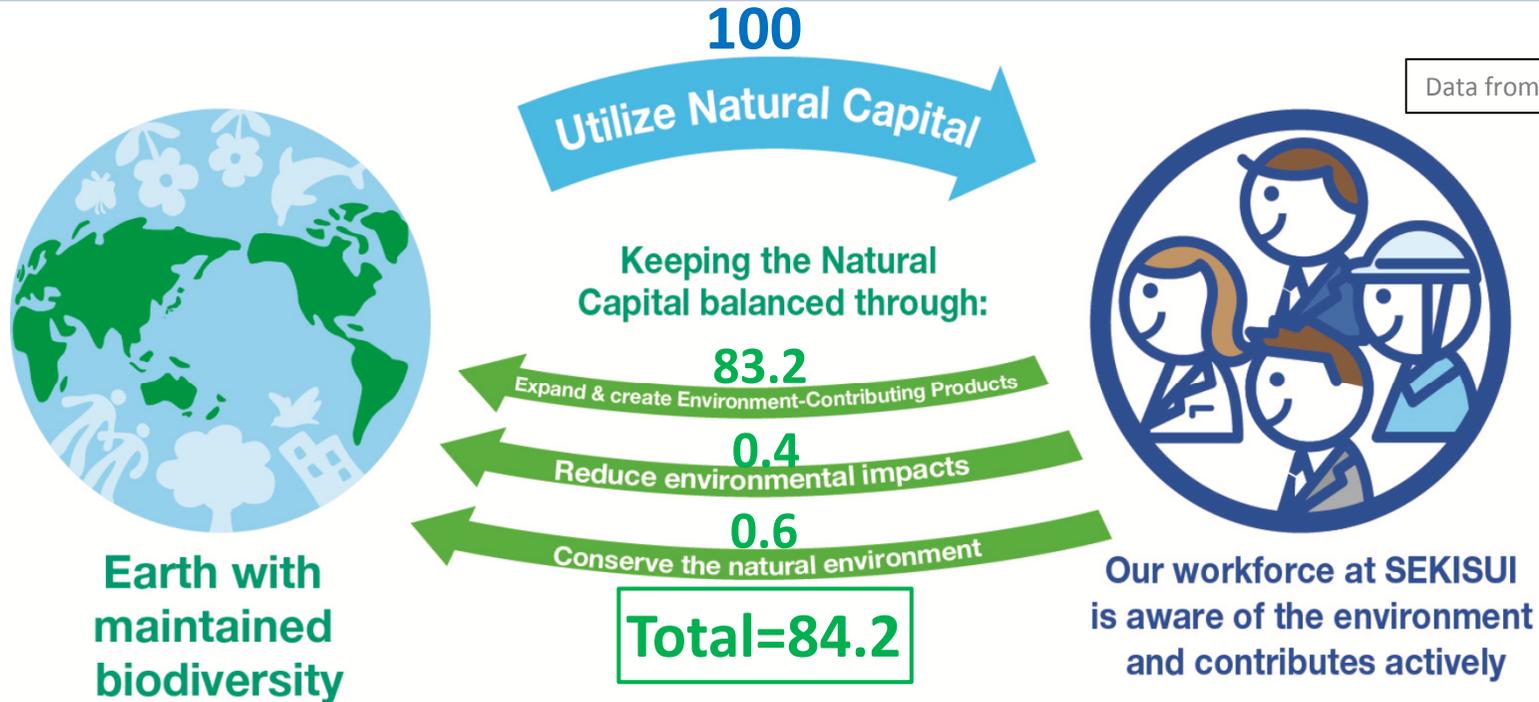


SEKISUI Environmental Sustainability Vision





Environmental Sustainability Index

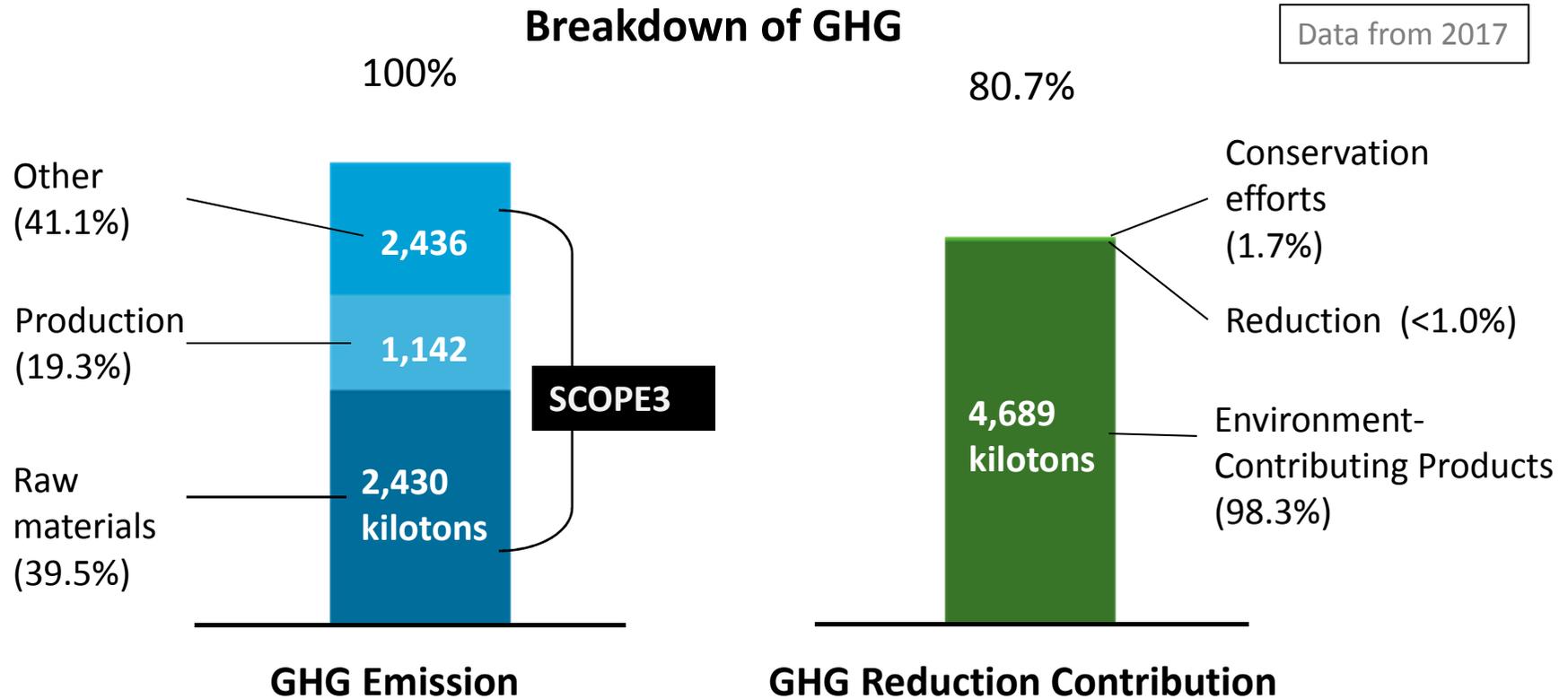


Data from 2017

2030 Goal: Return rate of utilized natural capital: 100% or more

- * Quantification method : LCA(Life Cycle Assessment)
- * Lifecycle Impact Assessment Model : LIME2 (Norihiro ITSUBO, Atsushi INABA)
- * Tool: "MiLCA" software(JEMAI)

Balance of GHG Emissions and Reduction Contribution **SEKISUI**



* As concerned with GHG calculations, almost the same method as GHG protocol Corporate Value Chain (Scope 3 Standard).



Reduction of GHG Emissions by Products



Product Name		Contribution throughout value chain(especially during its use)	CO2 Reduction Contribution (k-ton-CO2/ year)
Housing		Solar panels, HEMS, Storage Batteries, Total Air Conditioning System, etc.)	666
Trenchless Rehabilitation of Sewer Pipelines		Trenchless (no-dig), extend life of sewer pipe	289
Interlayer film for automotive windshields		Fuel savings by lightweight due to the use of Solar/Acoustic Film	207
PVC Sheet for aircraft interiors		Lightweight, reduce fuel consumption	1,193
Materials for LED lights		Increase life, energy saving	465
Others		—	1,869
TOTAL		—	4,689



Conclusion

Suggestions gained by calculating GHG emissions and reduction contribution amount in corporate activities



Recognition
importance of work
throughout global
value chain



Integration in R&D
Department



Results are used for
our 2050 vision
and SDGs

A new frontier, a new lifestyle.

SEKISUI CHEMICAL Group

– produce a better world with creative technologies.

SEKISUI