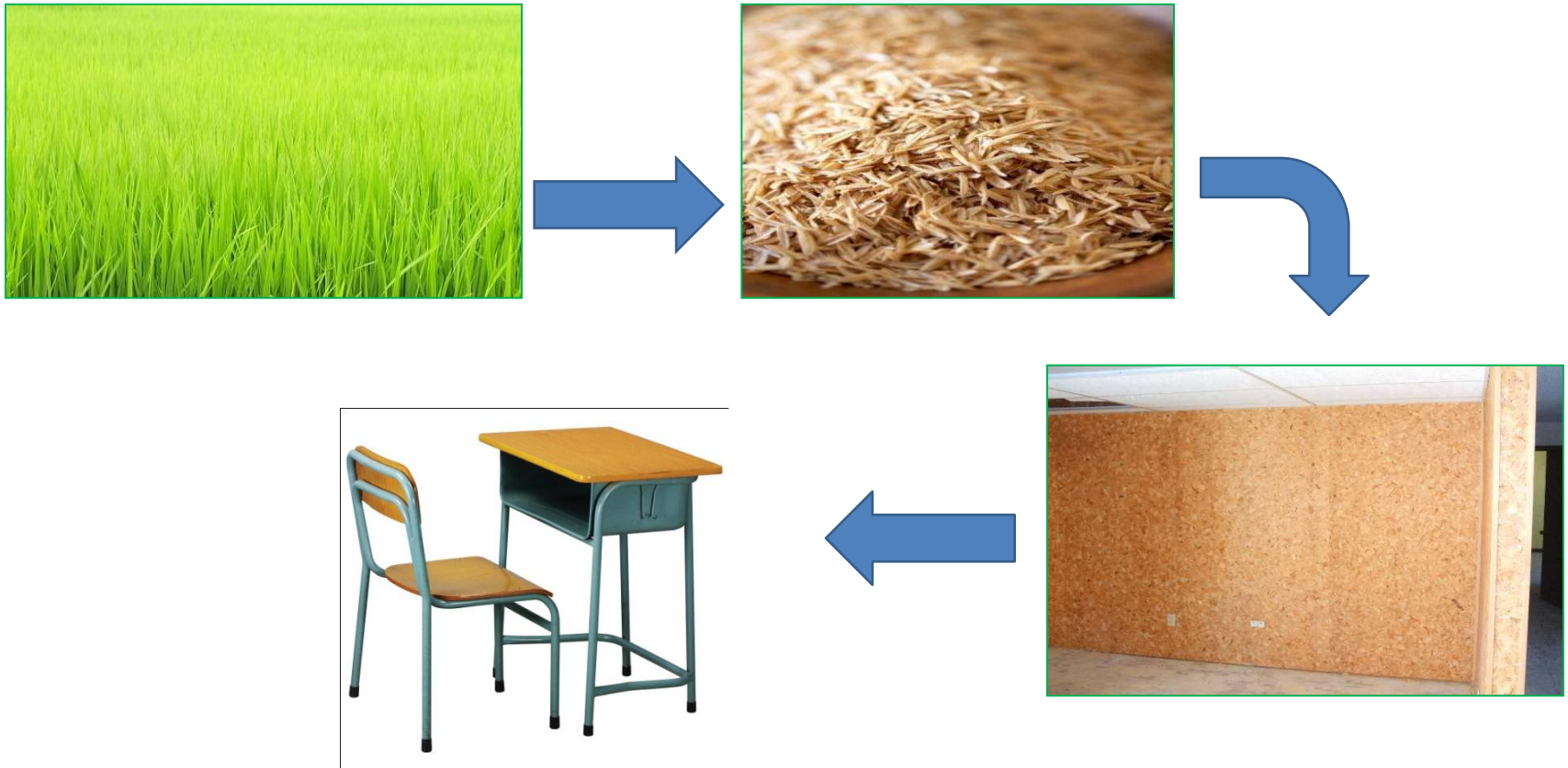
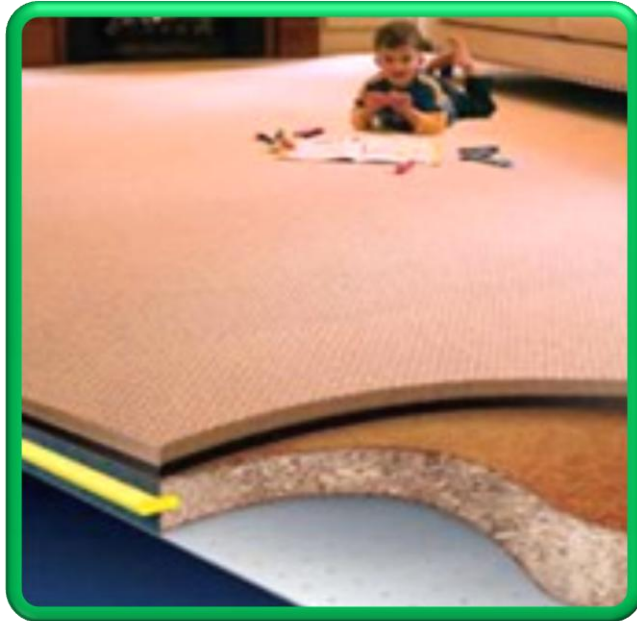


SS-GATE Successful Case: Rice Husk

Technology Provider: International Environment Management Co. (IEM) Thailand, RHB technology (patent in 23 countries)



Rice Husk Board Qualities



- Fire-resistant
- Water-resistant
- Insect-resistant
- Sound-reducing
- Heat/Cold Insulating

Environmental Impacts

- Rice husks are **agricultural waste**
- Products made of rice husk can **replace wood** to produce building materials
- **100% utilization**: All material are fully used for the final products so there is very little pollution
- **Energy saving**: The energy needed to produce RHB is low as rice husk is already found in small pieces
- **Carbon trade**: The potential availability of Carbon credits adds value

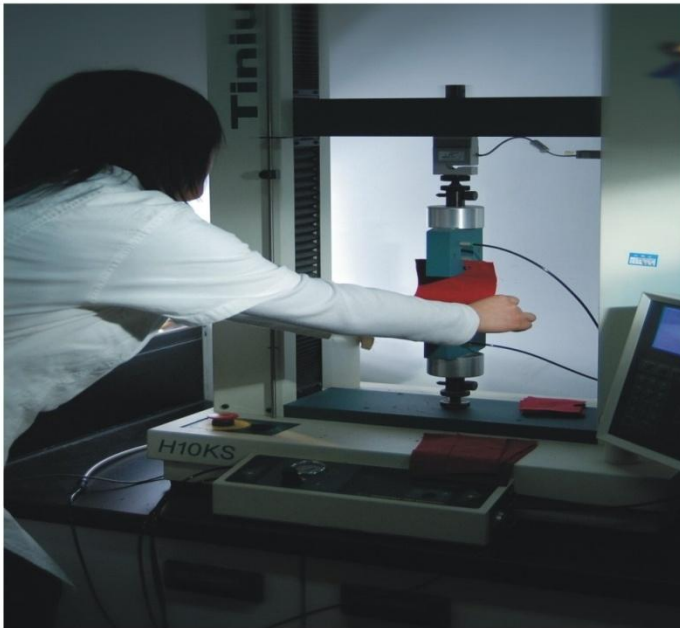
6.3 Base Figures

REVENUE		1-Line 3-Shifts	3-Line 3-Shifts
SALES		5,416,450	16,249,350
EXPENSES			
COST OF GOODS SOLD			
Input Material		1,360,394	4,081,181
Utilities - Factory		28,125	84,375
Labor		67,500	202,500
Factory Rent		18,750	-
Factory Machinery R&M		23,438	41,016
Transport		31,250	93,750
Depreciation		46,875	54,688
TOTAL COGS		1,576,331	4,557,509
GROSS PROFIT		3,840,119	11,691,841
OTHER EXPENSES			
Office Staff Salaries		18,750	26,250
Office Equipment - expensed		3,125	4,688
Office Furniture		1,250	1,875
Office Supplies		313	469
Office Rent (if not in Factory)		-	-
Building R&M		2,500	2,500
Utilities - Office		1,875	2,813
Vehicle Operating Cost		1,125	3,375
Vehicle R&M		625	1,875
Government Dues & Surcharge		31,250	93,750
Professional Fees		7,813	23,438
Travel Expenses		9,375	9,375
Entertainment		4,688	4,688
Depreciation		5,625	5,625
TOTAL OTHER EXPENSES		88,313	180,719
NET PROFIT BEFORE TAXES		3,751,806	11,511,122
TAXES	25%	937,952	2,877,780
NET PROFIT		2,813,855	8,633,341



Successful Case: Jute Technology

Jiangsu Redbud Technology Co., Ltd has forged new partnerships to transfer jute plantation and processing technologies to African enterprises and governments. SS-GATE has played a critical role in marketing Redbud's offerings, matching it to needs in Africa, and connecting parties to various financing options.



▶ **Jute is the second largest natural fiber in the world, second only to cotton production.**

The global average annual production of jute fibers is about 300 million tons.

Table: Top 10 Jute Producers

Country	Production (Tonnes)	Country	Production (Tonnes)
India	2140000	Myanmar	30000
Bangladesh	800000	Brazil	26711
China	99000	Uzbekistan	20000
Côte d'Ivoire	40000	Nepal	16775
Thailand	31000	Vietnam	11000
World	3225551		

Source: Food And Agricultural Organization of United Nations, 2008

▶ **Jute Green Technology developed by Redbud has achieved significant breakthrough in jute cultivation and jute products.**

1. New jute varieties can be widely planted in wasteland (including saline-alkali land, low watery land and dry land) without agricultural chemicals and artificial irrigation.
2. Jute fibers are applied in many industries, including fabrics, home textiles, interior decoration, medical textiles and natural composites and so on.



The main benefits of Jute Green Technology



► Economic benefits

1. Increase the income of farmers through cultivating jutes on the waste land.
2. Prosper related manufacturing and complementary service industries and then shape a Eco- industrial system.
3. The reasonable price of jute fibrous products can be easily accepted by the ordinary market.

► Environmental benefits

1. Absorb carbon dioxide and help solve the global warming problem.
2. Discharge large amount of oxygen, nearly 4 times more than the *Populus canadensis* Moench.
3. Transfer waste land into fertile fields though three years jute plantation and then the improved land can be used for rice planting.

► Social benefits

1. Contribute to the economic development and the process of industrialization
2. Provide substantial job opportunities, especially for women, and advance the harmonious development of local society
3. Promote cultural transmission through transaction of jute products with local ethnic characteristics

Successful Cases: Organic Fertilizer

- **Triangular North-South-South Cooperation via SS-GATE**
- **Japan:** Green Fertilizer used to produce organic food
- => Transferred to **Vietnam**
- => Being transferred to **China**



United Nations Pavilion: First International VER Pavilion of 2010 Shanghai EXPO

- May 6 2010, Shanghai World Expo Voluntary Emission Reduction Action **“UN Pavilion Carbon Offsetting Awards”** was successfully held at the United Nations Pavilion.
- United Nations Pavilion was the **first international Voluntary Emission Reduction Pavilion**.



Kalealti 15MW Hydropower Plant: Turkey



- This small-scale hydro project is located in a lesser-developed region in southern Turkey. The total installed capacity of the project is 15MW.



- The project will provide up to 150 employment opportunities for the local people and will provide technology transfer and know-how to this less-developed region. The project owner is supporting the local schools as well by sending school materials at the start of each school year.



SS-GATE:

A South-South Solution for Global Environmental Technology Transfer



**SOUTH-SOUTH
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Toward the MDGs: Challenges Faced by Southern Countries

MDGs

- **Goal 1: Eradicate extreme poverty and hunger**
- **Goal 7: Ensure environmental sustainability**

Typical Challenges

- **Limited access to Technology**
- **Limited access to Funding**
- **Limited access to Markets**



SS-GATE and the Cancun Agreements

- **Ch. IV.B.123(b) envisions a network that will**
 - Stimulate and encourage, through collaboration with the private sector, public institutions, academia and research institutions, the development and transfer of existing and emerging environmentally sound technologies, as well as opportunities for North.South, South.South and triangular technology cooperation



SS-GATE Vision

- To provide a **global and sustainable South-South transaction platform** that facilitates market-driven, transparent exchanges of technology, assets, services, and financial resources among the private sector, public sector, and civil society for inclusive growth of countries in the South.

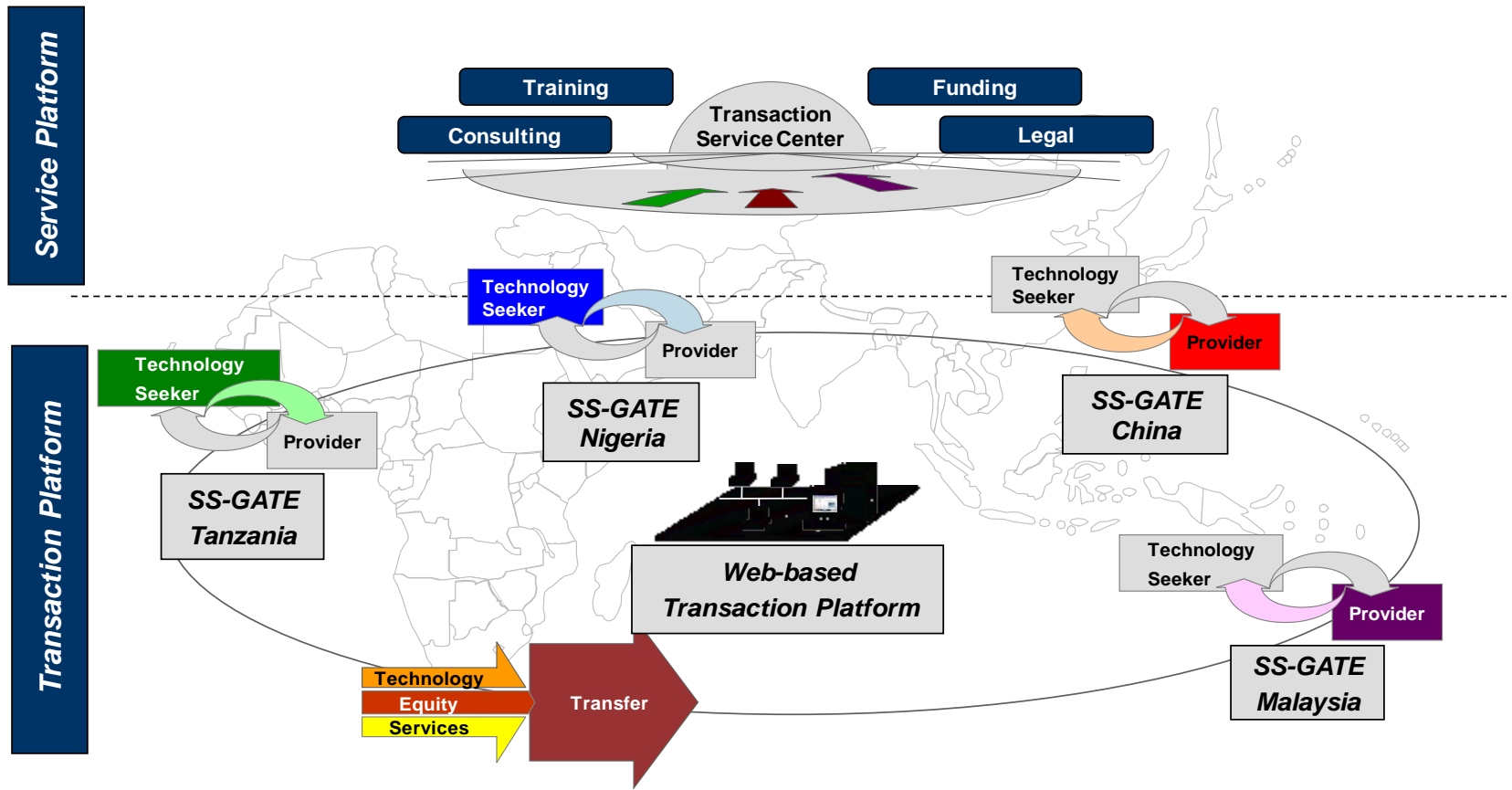


Key Benefits of SS-GATE

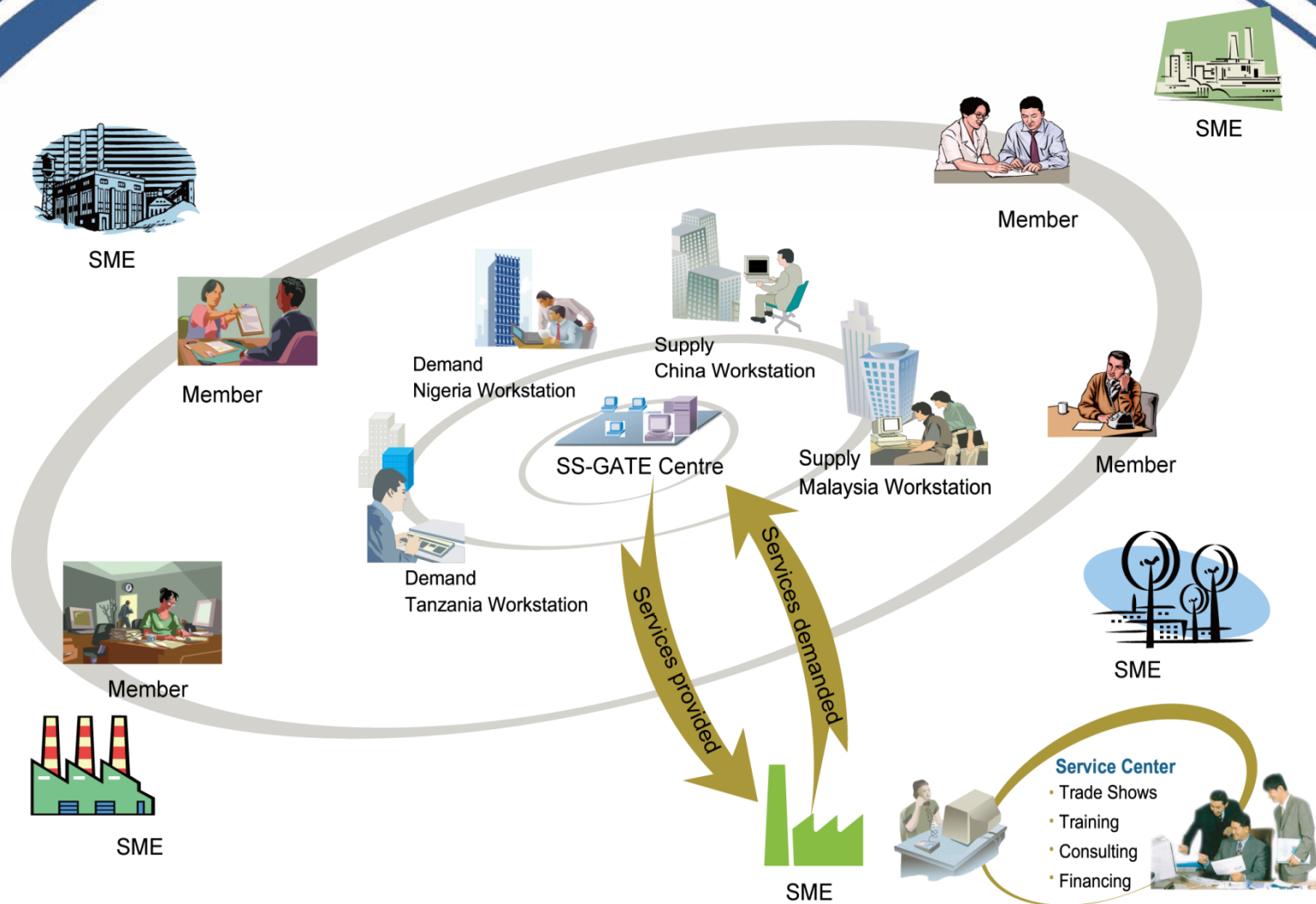
- **Global Access** - expanded networks
- **South-South and triangular** - relevant and affordable
- **Transactional** - not just information but business transactions
- **Value-added Services** - Consulting, Training, Legal, Financing Services, Marketing Research
- **Transparent** - allows fair competition
- **Self-sustaining** - assessed fee on successful transactions for cost recovery



Transaction and Services Platform



SS-GATE Business Model



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On-line Component: SS-GATE E-Platform

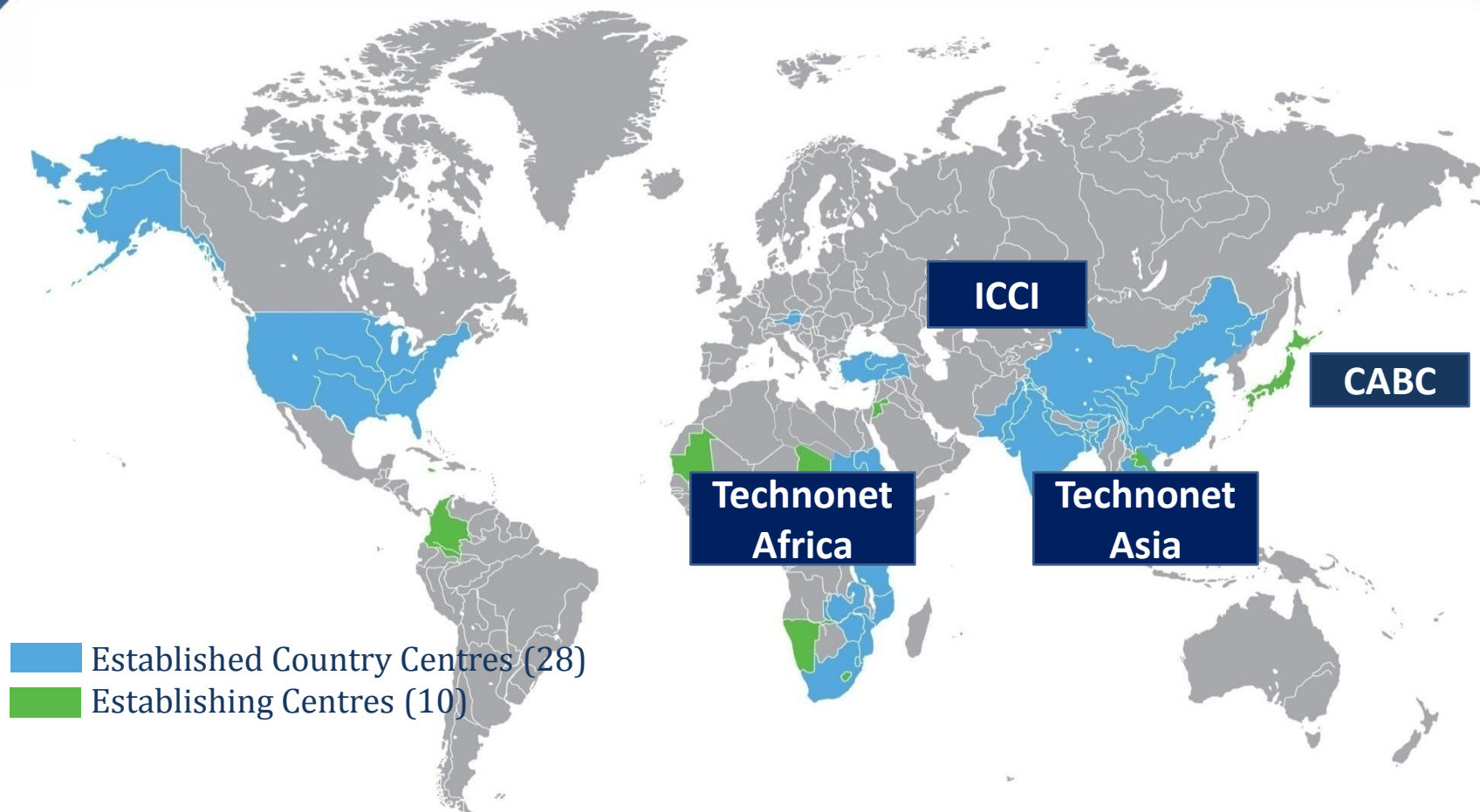
The screenshot displays the SS-GATE E-Platform website. The browser address bar shows <http://www.ss-gate.org/>. The page header features the SS-GATE logo and the text "SOUTH-SOUTH GLOBAL ASSETS AND TECHNOLOGY EXCHANGE SYSTEM" and "UNDP GLOBAL PROJECT". A navigation menu on the left includes "SEARCH", "PUBLIC INQUIRIES", "CONTACT US", "SS-GATE Geographic Distribution", "JOIN US", and "OPERATION GUIDE". The main content area is titled "PROJECTS" and "PROJECT SEARCH". It includes search filters for "Project Title", "Project No.", "Category", and "Country/Region". A dropdown menu for "Category" is open, showing options: "Technology Available", "Technology Wanted", "Innovation Available", "Innovation Wanted", "Financing Available", "Financing Wanted", "Product Available", "Product Wanted", "Service Wanted", and "Asset Transfer Available". Below the filters, a table lists projects with columns for "Country/Region", "Project Title", and "Project Amount(USD thousand)".

Country/Region	Project Title	Project Amount(USD thousand)
Malaysia	Rice Husk Bio-Composites	2750
Malaysia	Electrical Power Management System	0.2
Malaysia	Waste treatment equipment - environ...	
Vietnam	Thanh Vu Medic II Hospital	
China	A Chinese company seeking for Coal	
China	Rice Husk Board	
Vietnam	Living waste handling by static mas...	
India	Two stages dental implant	
Turkey	Yaylabag, Satellite city in Ankara...	
Gabon	Gabon Special Economic Zone (GSEZ)	



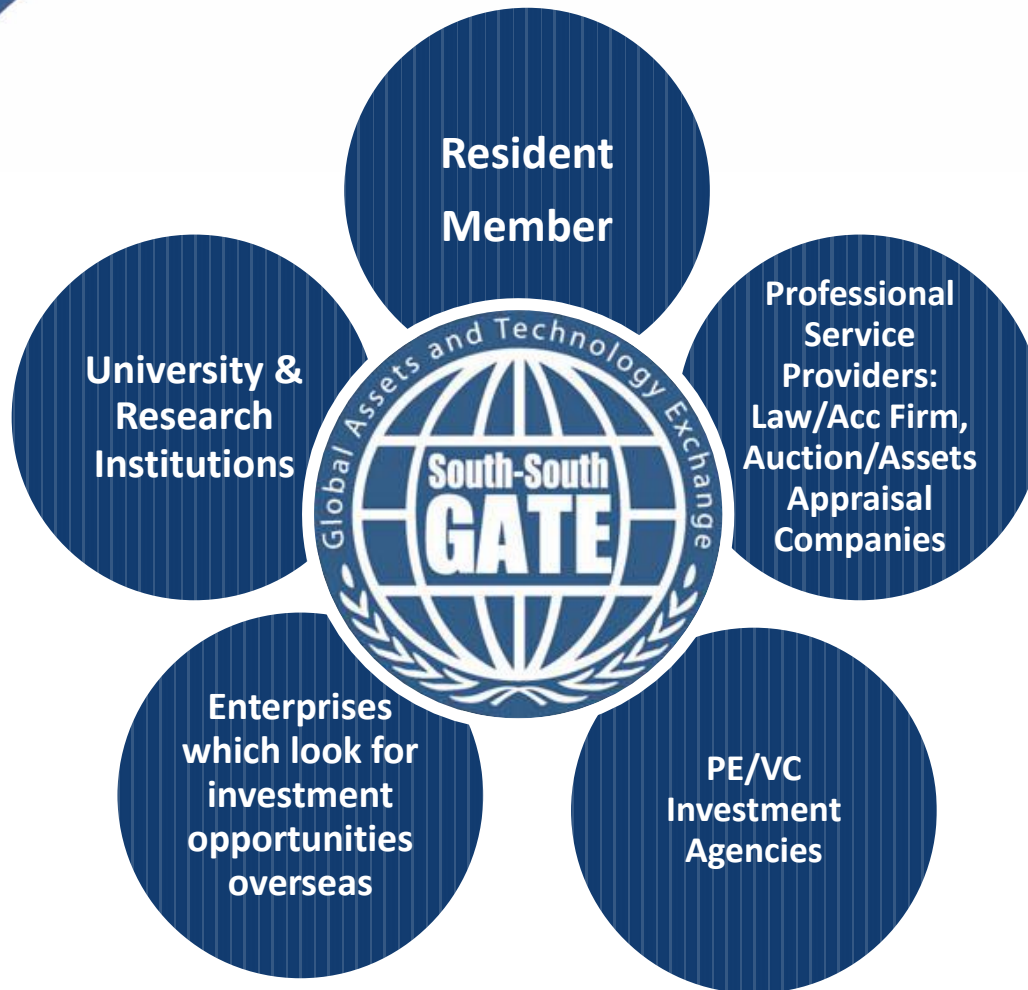
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Human Presence Component: SS-GATE Country Centres



**SOUTH-SOUTH
GLOBAL ASSETS AND TECHNOLOGY EXCHANGE**

Membership System



Membership Requirements

Potential Competitive SMEs should be:

Competitive

- SMEs must be **competitive and financially sound**

International Perspective

- SMEs must have a **global perspective**

Require Assistance

- SMEs **should require assistance** in reaching out to other developing countries

Socially Responsible

- SMEs must have **Corporate Social Responsibility** and adhere to the Global Compact Ten Principles



Membership Development

How SS-GATE finds SMEs:

Chambers of
Commerce

Enterprise
Associations

Trade
Fairs

Exhibitions

International
Conferences

Media



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SS-GATE Forum Operational Model

Identify and select Exhibitions,
Tech-marts, and Trade fairs
through SS-GATE Country
centres

Collect related technologies and
Projects on Exhibition, Tech-mart
and Trade fair from country centres
And broadcast through SS-GATE
E-platform

Co-organize SS-GATE
Forum with country
Centres to create
successful business
transactions

Select projects to take
part in Exhibition,
Tech-mart, Trade fair
together with owners
Or investors

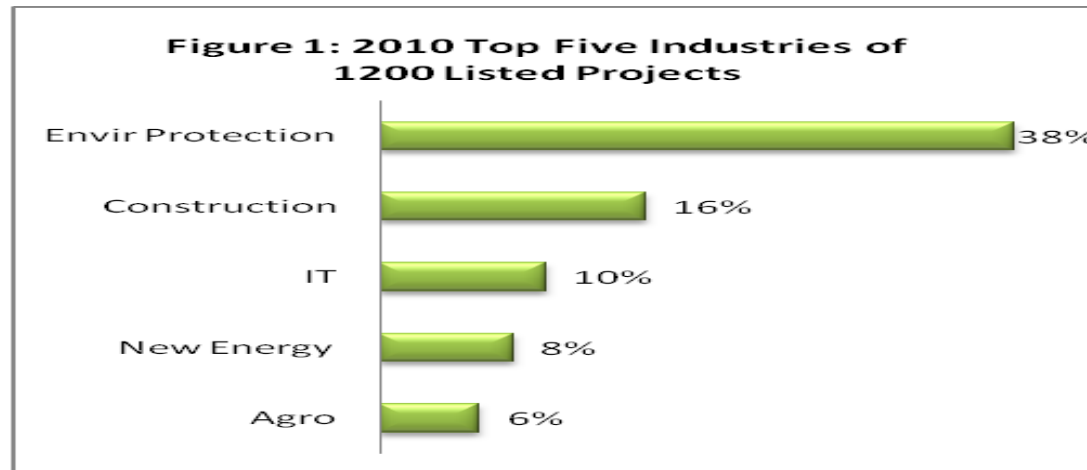
Screening and
Pre-match making on
E-Platform through
SS-GATE country
centres and members



**SOUTH-SOUTH
GLOBAL ASSETS AND TECHNOLOGY EXCHANGE**

SS-GATE Achievements

- Notable Partners: UNDP-EEG, UNFCCC, UNIDO, UNCTAD-ITC, World Bank, FAO, IFAD
- 28 Country Centers in 26 Different Countries
- 2,232 projects listed, 345 matched projects, 113 successful transactions
- 4 networks signed MOU representing 70+ countries in Africa, Asia and Arab States



SS-GATE Tracks

- Track 1 – Assets and Technology Exchange for SMEs
- Track 2 – Human Development Stock Exchange
- Track 3 – Creative Economy Exchange
- Track 4 – Energy and Environment Exchange
- Track 5 – Global e-Health Platform





SS-GATE Track IV: Global Environment and Energy Exchange



**SOUTH-SOUTH
GLOBAL ASSETS AND TECHNOLOGY EXCHANGE**

SS-GATE Track IV

Main Functions:

A **global transaction mechanism** to facilitate environmental technology transfer and investment with value-added services

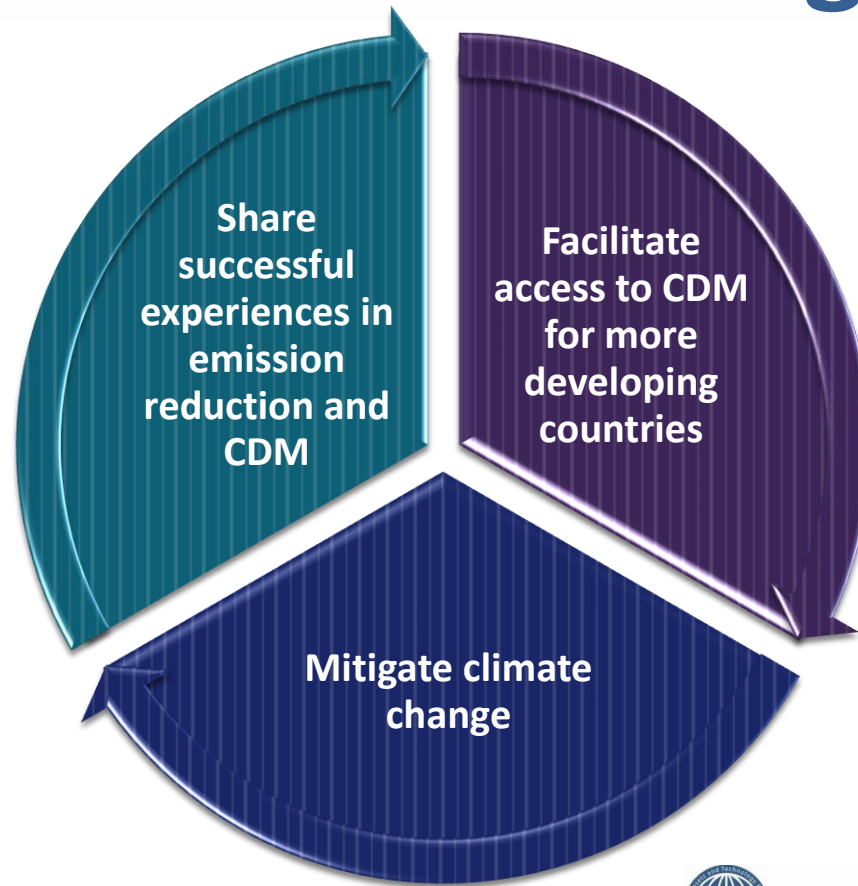
A **CDM training center** and information pool (to be established)

A **fund to facilitate financing** of climate change, energy and environment related technology transfer (to be established)



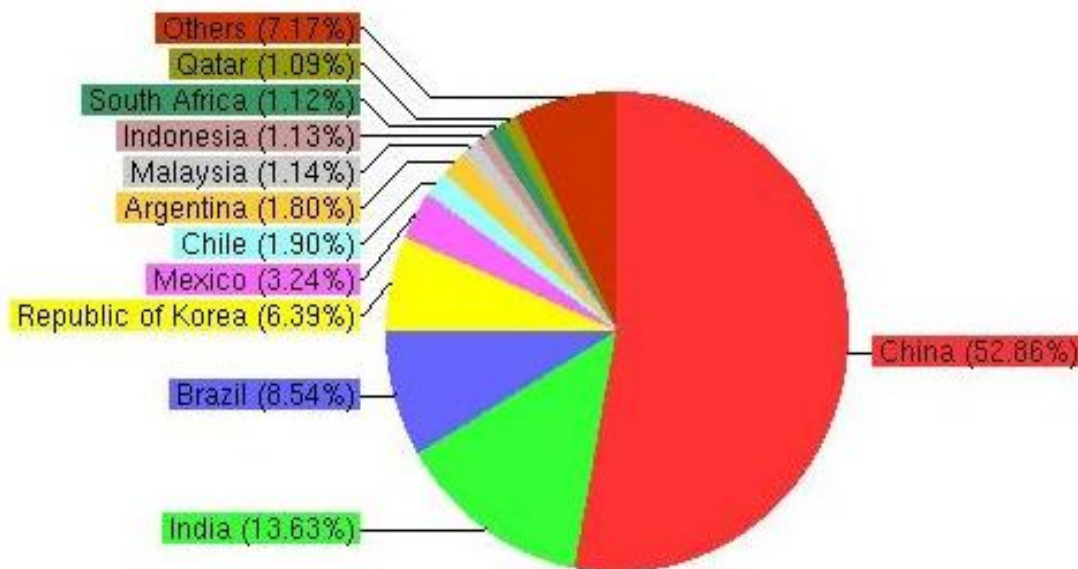
3 Main Goals

SS-GATE CDM Training Center



CDM Participants

Expected average annual CERs from registered projects by host party. Total: 228,523,686



Country	Average Annual Reductions
Argentina	4,121,351
Armenia	214,329
Bangladesh	169,259
Bhutan	524
Bolivia	224,371
Brazil	19,515,656
Cambodia	101,656
Chile	4,332,167
China	120,788,825
Colombia	1,233,708
Costa Rica	293,640
Cuba	342,235

<http://cdm.unfccc.int> (c) 27.10.2008 19:53





Thank you for your support!



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