20th Joint Meeting of the Japan-Brazil Economic Cooperation Committee Session 5 : Natural Resources and Energy



## Natural Resources Development Finance and GREEN Facility of JBIC

## August 29. 2017 Nobumitsu Hayashi COO, Senior Managing Director



## **Brief Profile**



Brief Profile		Government-owned Financial Institution			
Name	Japan Bank for International Cooperation (JBIC)	JBIC is a policy-based financial institution wholly owned by the Japanese government			
Establishment	,	Policy-based Finance			
	Export-Import Bank of Japan	JBIC provides non-concessional financing			
Governor	Akira Kondo	to support Japanese companies' export and investment overseas.			
Capital*	JPY 1,391bil (USD 12.3bil)				
	· · · · ·	Financial Instruments			
Total Assets*	JPY 18,572bil (USD 164.8bil)	Export Loans			
Net Assets*	JPY 2,525bil	Import Loans			
	(USD 22.4bil)	Overseas Investment Loans			
Number of Employees	672	Untied Loans			
Overseas offices	16 offices	<ul><li>Equity Participations</li><li>Guarantees</li></ul>	etc.		

%In 1958, JBIC opened office in Rio de Janeiro (as the 2nd overseas office)



JBIC contributes to the sound development of Japan and the international economy and society by providing various types of financial support to meet the objectives of particular projects.

Promoting the overseas development and securement of resources which are important for Japan



Source: Marubeni Iron Ore Australia Pty. Ltd.



Source: Gas Chemical Limited

-> <u>Natural Resources</u> <u>Development Finance</u>

Promoting the overseas business having the purpose of preserving the global environment, such as preventing global warming



Source: Shams Ma'an Power Generation PSC



Source: Banco Nacional de Comercio Exterior, S.N.C.



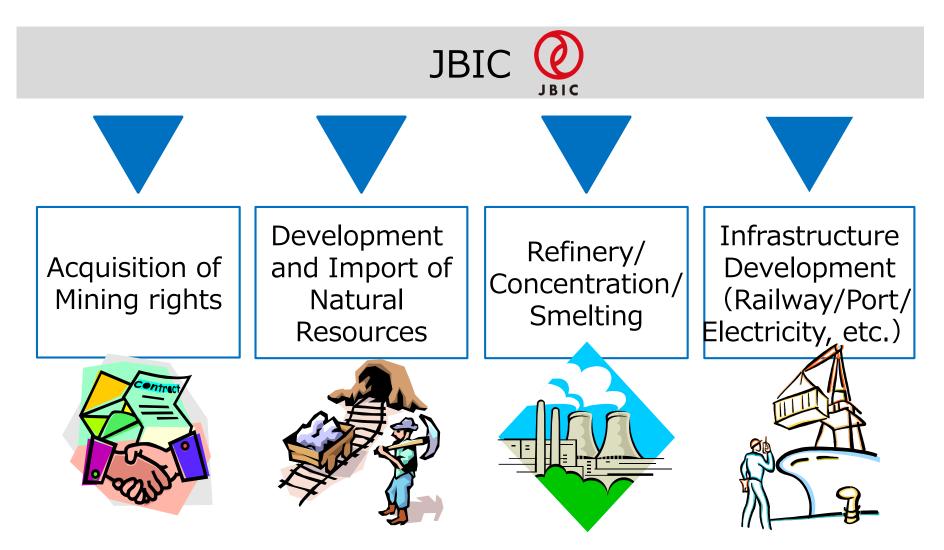


## Natural Resources Development Finance

Source: Qatar Liquefi ed Gas Company Limited



## Financial Support to Various Phases of Projects



## **Commitment to Energy & Natural Resources Projects in 5 Years**



#### Total Committed Amount :US \$ 127 Billion

Energy & Natural Resources Project :US \$ 40 Billion

> Energy & Natural Resources

> > 32%



Source: MODEC, INC.



Source: Nippon Steel & Sumitomo Metal Corporation





Source: Cordova Gas Resources Ltd. Source: Sojitz Coal Resources



Source: PETROBRAS



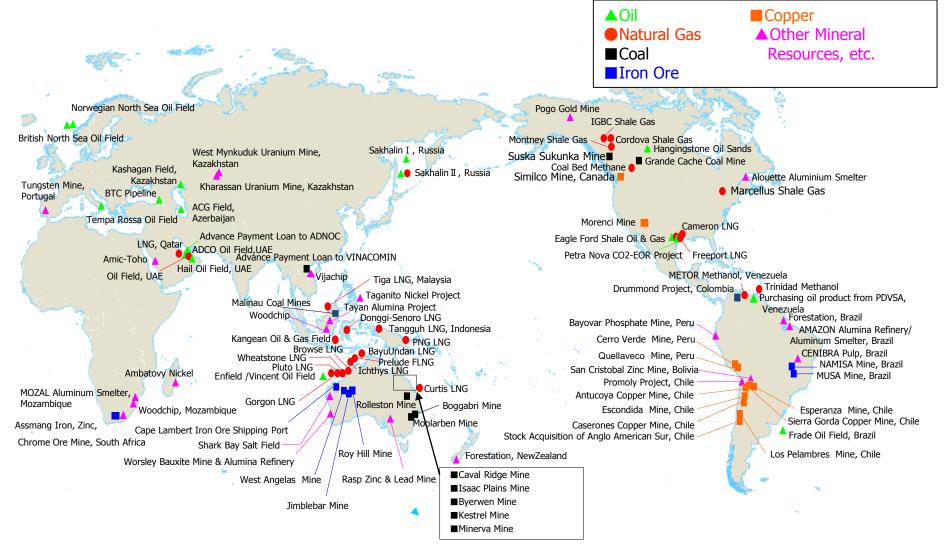
Source: Marubeni Iron Ore Australia Pty. Ltd.

Figures as of March 31, 2017 JPY112.68/USD

## Major Projects Over the Last 10 Years

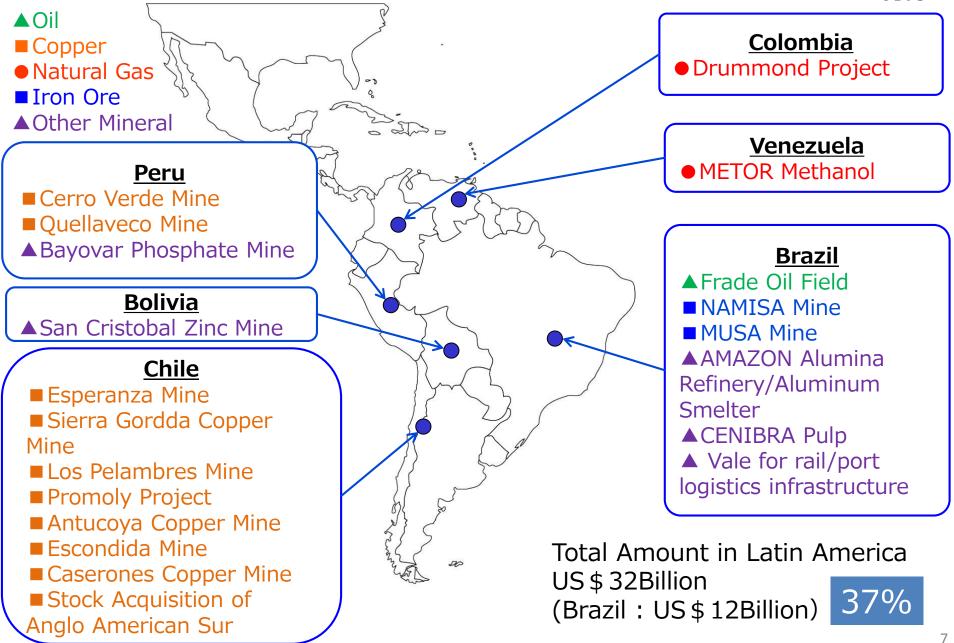


# Amount of Loan for Natural Resource Projects (signed) in 10 Years US\$69 Billion



## Major Projects in Latin America







## Oil & Gas Sector

- Oil Field: Barracuda ('00), EVM ('00), Albacora ('00), PDET ('05), REVAP ('06), Frade ('07)
- ✓ Gas Field: Urucu('97), Cabiunas ('00)
- FPSO\*: Espadarte ('06), Gas Opportunity ('09), Tupi ('10), Guala ('11), Cernambi Sul ('12), Cernambi Norte ('13), Carioca ('14), Tartaruga ('15)
- ✓ Drillship: P&M Drilling ('10)
- \* Floating Production, Storage and Offloading system **Urucu**



Poto by Steferson Faria, Image Bank of Petrobas

Source: PETROBRAS

Source: MODEC, INC.

#### Cernambi Sul



## Mining and Metals Sector

- ✓ Iron Ore: NAMISA ('08), MUSA ('11)
- Niobium: CBMM ('12)
- ✓ Aluminum: Import loan to ALBRAS ('05), ALUNORTE expansion ('06)
- ✓ Vale for Rail/Port Logistics Infrastructure ('06)

## Paper/Pulp Sector

- ✓ CENIBRA expansion ('95)
- ✓ Acquisition of CENIBRA ('01)

#### СВММ



Source: Nippon Steel & Sumitomo Metal Corporation

**CENIBRA** 

Source: CENIBRA



# **GREEN Facility of JBIC**

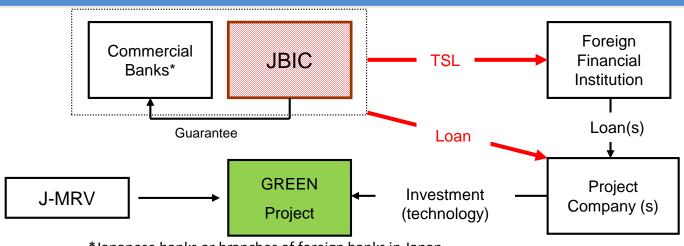
Source: Clusius C.V.



#### **General Features – Untied Loans/ Equity in the Green Sector**

Requirement	Eligible projects aimed at preserving the global environment and accepting J-MRV* for calculating and monitoring GHG emission reduction impact			
Financial Scheme	Two Step Loan (TSL), Loan to Project Company, Equity			
Eligible Entity	Foreign Government, Governmental Agencies, Local Governments, Public Enterprises, Foreign Financial Institution, Multilateral Institution			
Eligible Projects	Renewable Energy, Energy Efficiency and Other Projects			
*JBIC's Original Methodology for Measurement, Reporting and Verification				

Typical Structure

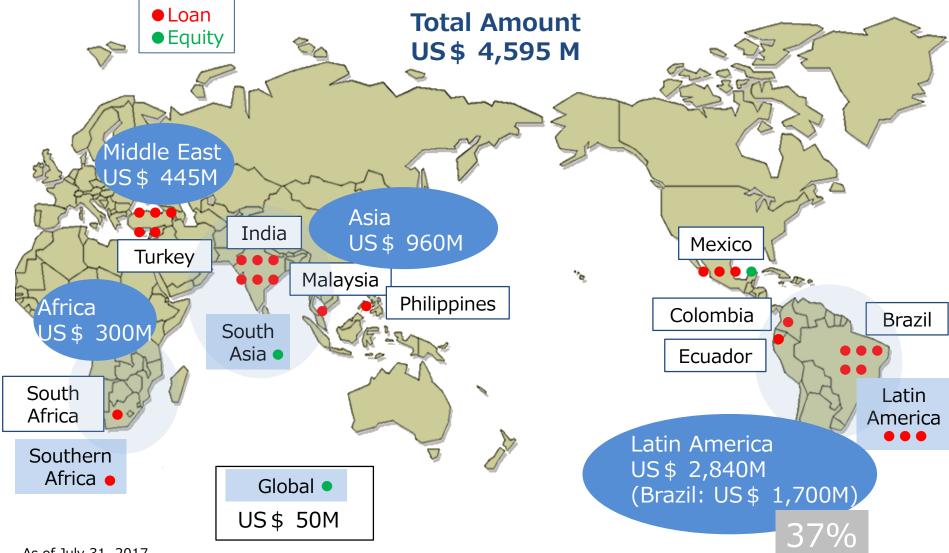


\*Japanese banks or branches of foreign banks in Japan

## **GREEN Experiences**

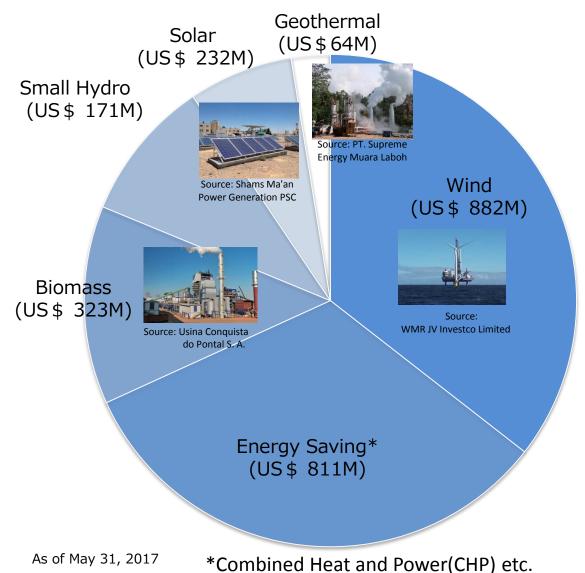


## Financing for Renewable Energy & Energy Saving Projects



## **GREEN:** Approved Sub Loan Projects

## Approved Amount of Sub Loan Projects by Sector (Total Approved Sub Loan: US \$ 2,480 Million)



Number of Approved Sub Loan Projects by Sector

Wind	35
Solar	21
Small Hydro	14
Energy Saving*	6
Biomass	6
Geothermal	2
Total	84

As of May 31, 2017

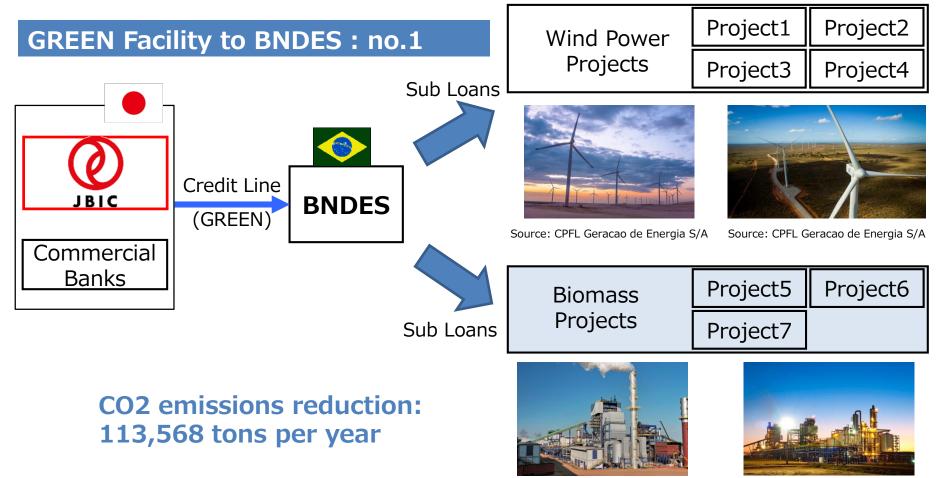
## **GREEN Track Record in LAC region**



Country	Finance Close	Borrower in Latin America	Amount (US\$M)
Andean Region	Mar. 2011	CAF (Andean Development Corporation)	300
Brazil 📀	Mar. 2011	BNDES	300
Mexico	Oct. 2011	Banco Nacional de Comercio Exterior (BANCOMEXT)	100
Central Americas	Dec. 2011	BCIE (Banco Centroamericano de Integración Económica)	100
Brazil 📀	Oct. 2012	Petrobras	1000
Colombia	Mar. 2013	Banco de Bogota	100
Mexico	Sep. 2013	BALAM FUND*	40
Brazil 📀	Mar. 2014	BNDES	300
Mexico	Jul. 2014	Banco Nacional de Comercio Exterior (BANCOMEXT)	100
Brazil 📀	Mar. 2015	BNDES	150
Brazil 📀	Dec. 2015	BNDES	100
Mexico	Mar, 2016	Banco Nacional de Comercio Exterior (BANCOMEXT)	100
Andean Region	Apr, 2016	CAF (Andean Development Corporation)	100
Ecuador	Feb, 2017	Republic of Ecuador	50

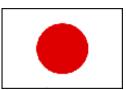


- GREEN Facility to BNDES for renewable energy projects
  - ✓ no.1: 300 mil USD (Mar, 2011) : 7 Sub-loans
  - ✓ no.2: 300 mil USD (Mar, 2014) : 11 Sub-loans
  - ✓ no.3: 150 mil USD (Mar, 2015) : 1 Sub-loan
  - ✓ no.4: 100 mil USD (Dec, 2015) : 1 Sub-loan



Source: Usina Conquista do Pontal S. A.







# We appreciate your attention! Agradecemos sua atenção!



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