

# Recent Updates on JCM Implementation in Indonesia

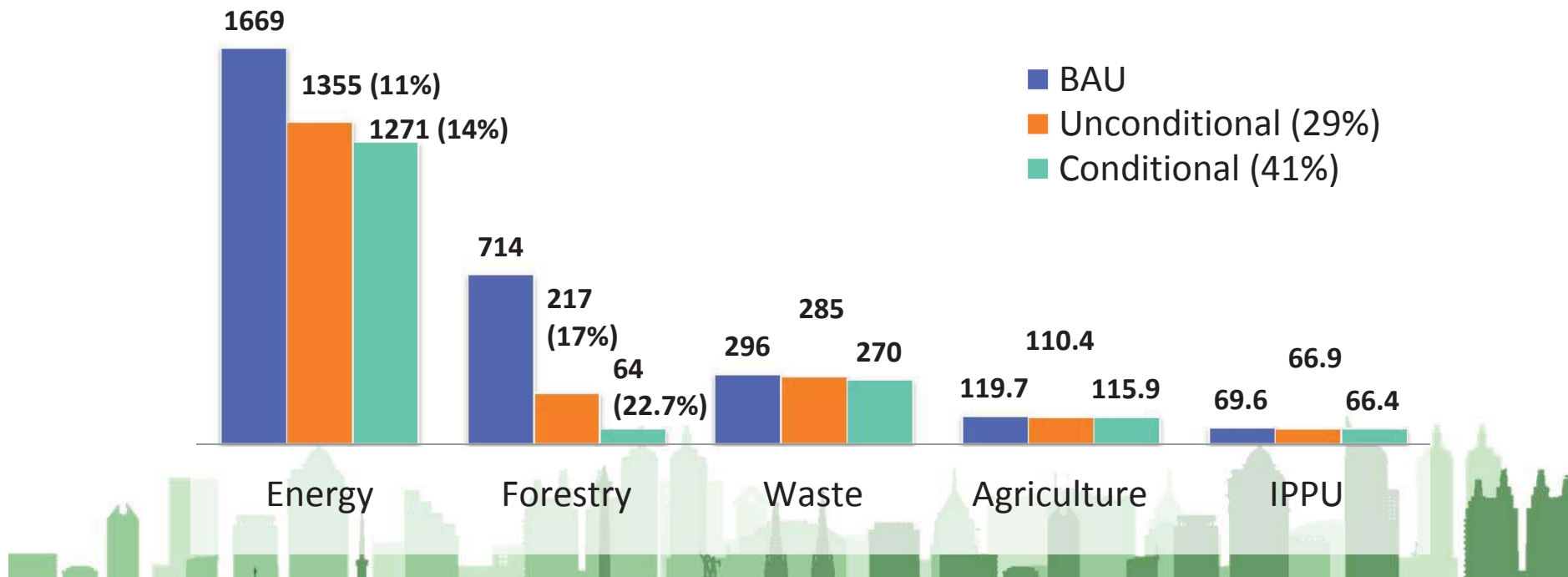
Assistant Deputy Minister for Multilateral  
Economic Cooperation and Financing

Katowice, 4 December 2018



# Indonesia NDC

- National context
  - Citizens right for a decent and healthy life
  - Low carbon development and climate resilience
- Paris Agreement ratification with the Law No. 16/2016
- First NDC submission on November 2016



# Market Based Mechanism

- 242 projects (147 registered)
- Decreasing due to lack of demand

CDM

- 13 projects (12 registered)
- Mostly are in forestry and agriculture

VCS

- 19 projects

Gold Standard

- Bilateral scheme between Japan & Indonesia
- 32 projects (14 registered, 6 issued credits)

JCM

- 6 projects

Plan Vivo

- PMR
- ACPMR
- G7

Others

MBM



# Recent JCM Implementation

**32**  
projects

**14**  
Registered

**6**  
Issued  
credits

**16**  
Methodo-  
logies

**18**  
In the  
pipeline

**115**  
Feasibility  
Studies

## Type of industry

Automotive, building engineering, energy production, chemical, food, forestry, tourism, oil and gas, paper, plastic, telecommunication, textile

**\$128** mio  
Project implementation



**\$10** mio  
Feasibility  
studies

**\$50** mio  
Subsidies



**\$78** mio  
Participants  
investment



# Example project #1

## Power Generation by Waste-Heat Recovery in Cement Factory



PT. Semen  
Indonesia Tbk.



JFE Engineering  
Corporation

Expected  
emission  
reduction  
**122,000 ton**  
**CO<sub>2</sub>/year**

**PT. Semen Indonesia, Tuban, East Java**

### **32 MW Waste Heat Recovery Power Generation at Cement Factory**

4 factory units at PT Semen Indonesia in Tuban are able to capture its flue gases emission which is a hot 400 degree celcius air to be used as boiler to generate electricity. This system enables to reduce electricity consumption up to 25% of the total electricity required in the factory



## Example project #2

# Solar PV Power Plant Project in Jakabaring Sport City



PDPDE Sumatera  
Selatan



Sharp  
Corporation

Expected  
emission  
reduction  
**1,303ton**  
CO<sub>2</sub>/year



### Jakabaring Stadium, Palembang South Sumatera

This solar power installed in Jakabaring sport center is able to generate electricity of 2 MW. This project is prepared for the electricity supply in **Asian Games 2018** and promotes green sport event in South Sumatera. The project is fully operated since March 2018 and inaugurated in June 2018



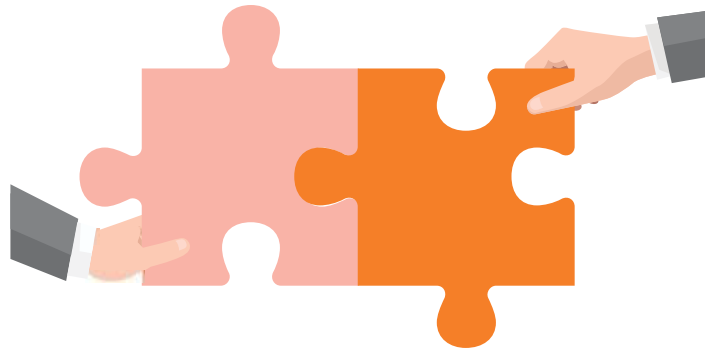
# City-to-city Cooperations

## Surabaya & Kitakyushu

- Energy management in buildings
- Waste management

## Batam & Yokohama

- Energy efficiency in airport
- Energy efficiency in waste water treatment
- Biomass energy



## Bandung & Kawasaki

- Energy management in buildings
- Waste management
- Street lamps

## Semarang & Toyama

- Bus rapid transit
- Mini hydro
- Solar PV

## Jakarta & Kawasaki (in progress)

- Potential cooperation:
- Green building
  - Green industry
  - Waste management
  - Solar PV in remote area



# Benefits of JCM



**Financial viability**



**Cost saving**



**Competitiveness & profitability**

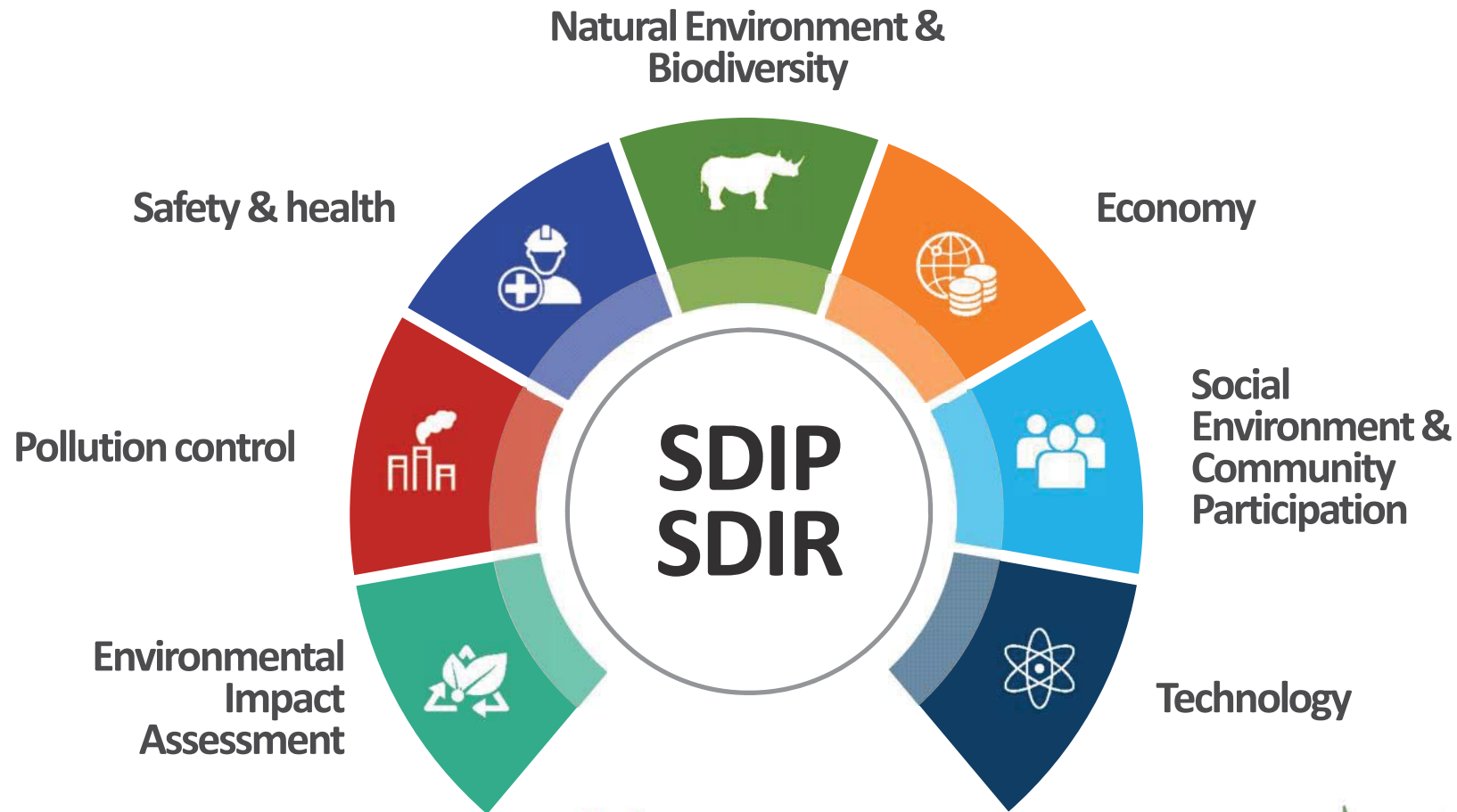


**Access to capital**





# Sustainable Development Crieteria



**Thank You**

