

Potential green fund to reduce GHG emissions from the Urban Infrastructure projects

**Webinar on Quantifying Emissions (GHGs and SLCPs)
from the Urban Infrastructures**

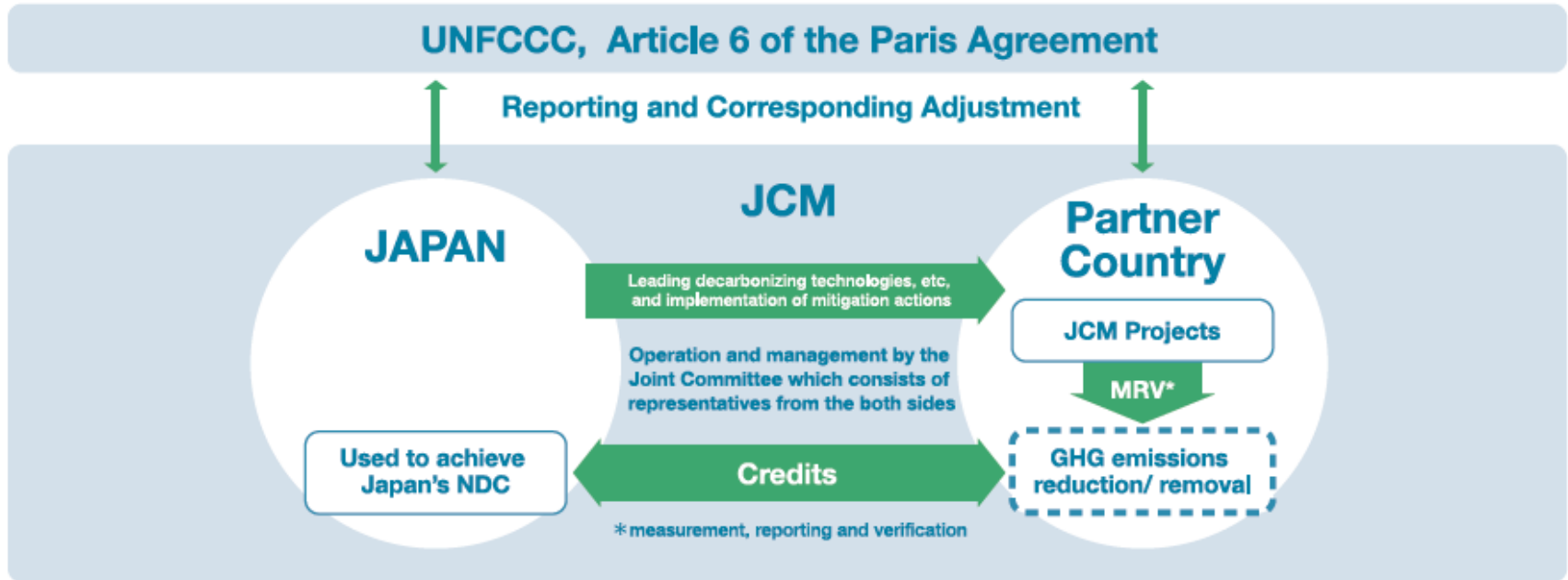
December 7th 2022

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Potential green funds and low carbon technologies for Jatiluhur II:

1. Joint Crediting Mechanism (JCM)
2. Japan Platform for Redesign: Sustainable Infrastructure (JPRSI)

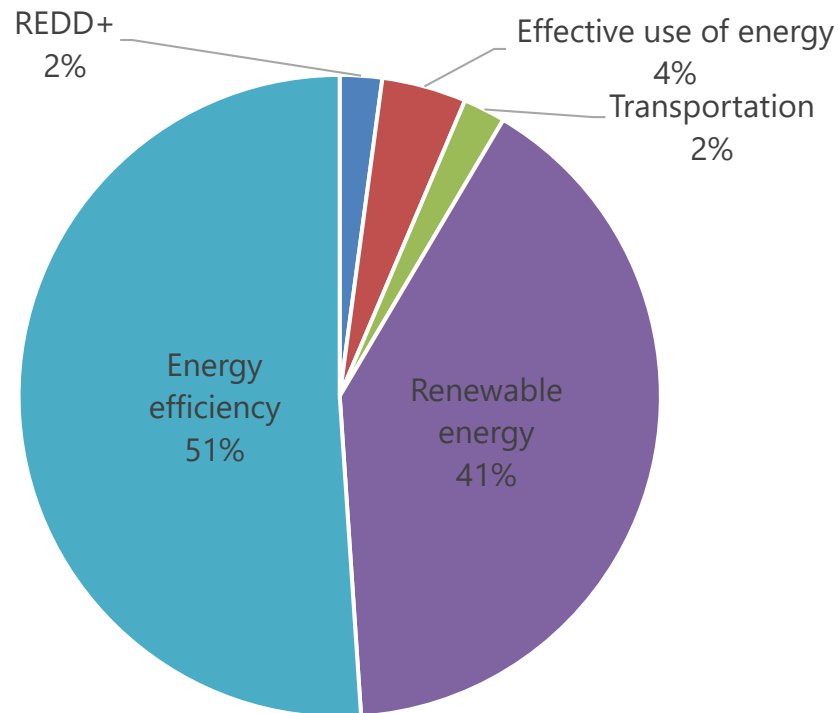
Joint Crediting Mechanism (JCM)



JCM in Indonesia

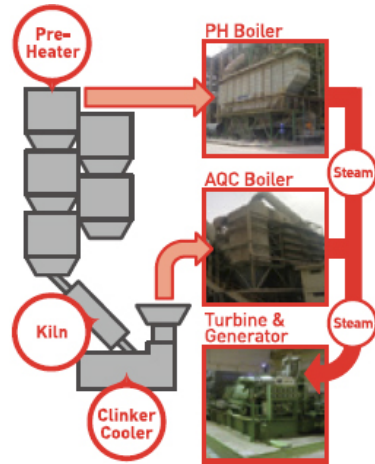


- Governments signed JCM on August 26th, 2013
- Lead agency in Indonesia: Coordinating Ministry for Economic Affairs
- As of 5th Dec 2022:
 - 47 model projects
 - Expected GHG Emission Reductions: 444,631 tCO₂/year
 - Amounts of Credits Issued: 18,418 tCO₂



No projects in waste sector yet

Examples of JCM Model Projects in Indonesia



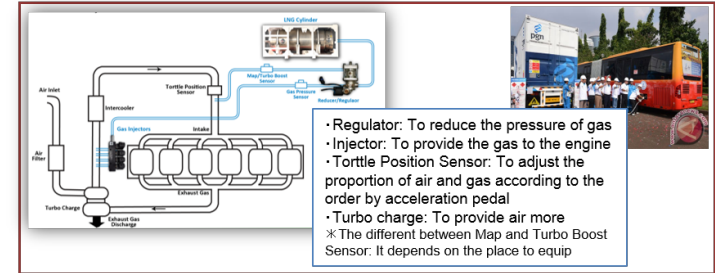
Power Generation by Waste-heat Recovery in Cement Industry (2014): 149,063 tCO₂-eq./year



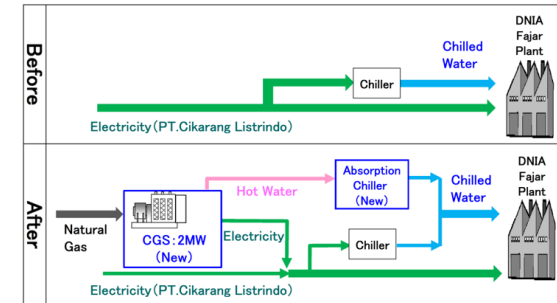
< Francis Turbine to be installed >

10MW Hydro Power Project in Bengkulu Province (2019): 35,950 tCO₂-eq./year

(10 mini-hydro projects in Indonesia)



Introduction of CNG-Diesel Hybrid Equipment to Public Bus in Semarang (2018): 2,667 tCO₂-eq./year



Introduction of Gas Co-generation System and Absorption Chiller to Motor Parts Factory (2017): 4,629 tCO₂-eq./year

<https://gec.jp/jcm/jp/projects/>

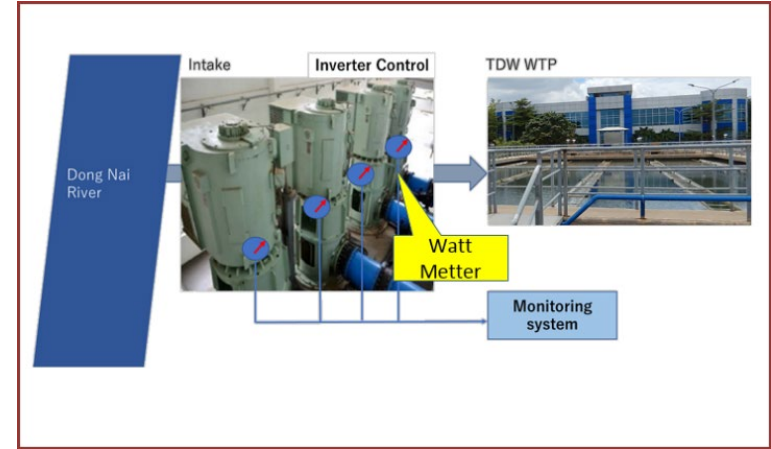
Advanced low carbon technologies are the subject of funding; not the buildings and constructions

Examples of JCM application in water sector



Water pumps (Danang, Vietnam)

Expected GHG Emission Reductions
738 tCO₂-eq./year

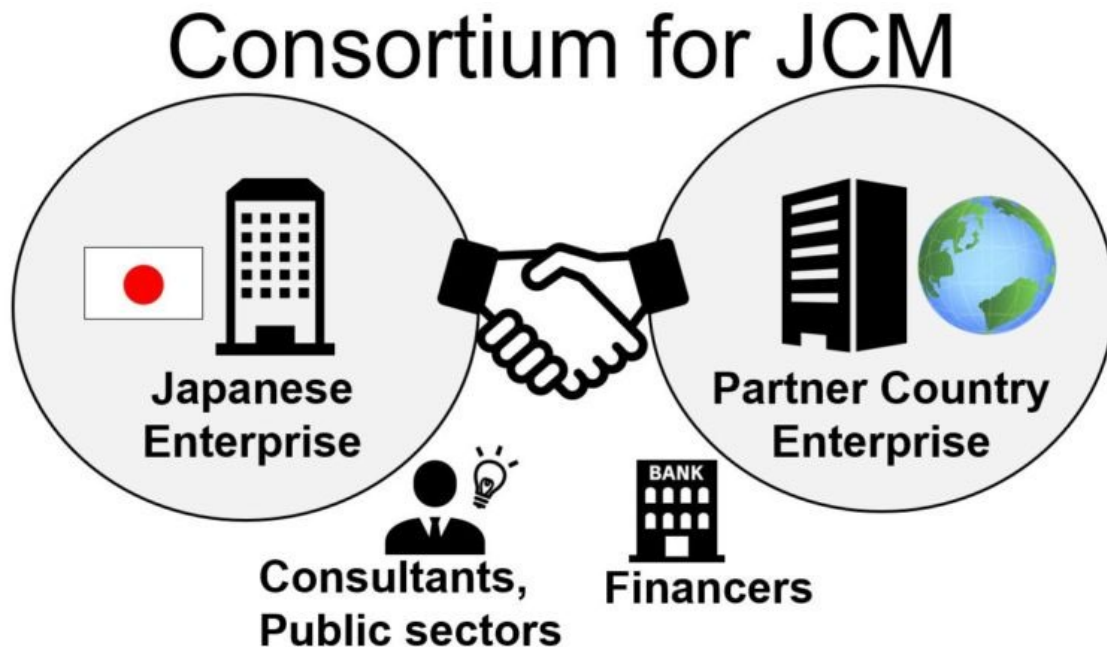


Inverters for pumping system (Ho Chi Ming, Vietnam)

Expected GHG Emission Reductions
602 tCO₂-eq./year

<https://gec.jp/jcm/jp/projects/>

How to find partners to form an International Consortium for JCM?



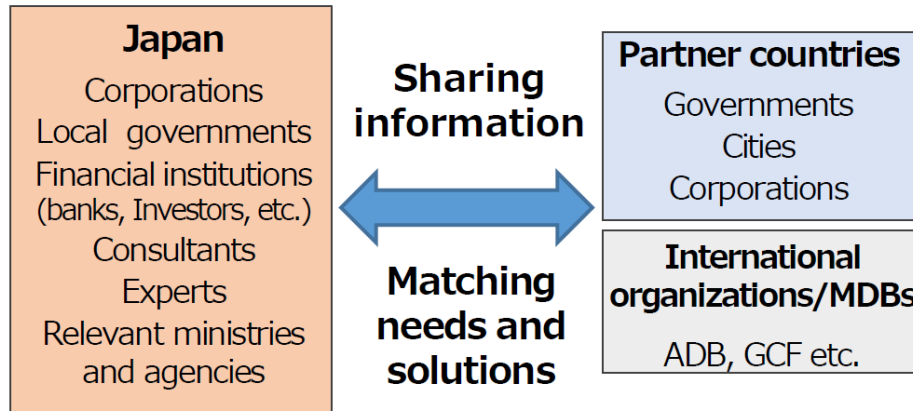
<https://gec.jp/jcm/globalmatch/>

Japan Platform for Redesign: Sustainable Infrastructure (JPRSI)

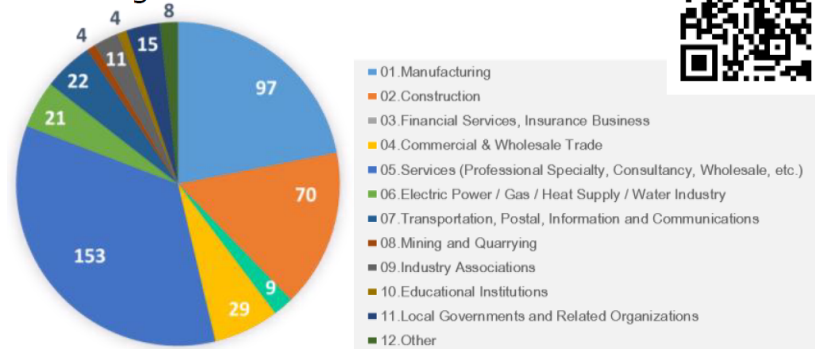
- A public-private partnership (PPP) platform established by the Ministry of the Environment, Japan (Sep 2020)
- Relevant Organizations: JICA, JOIN, JASCA, J-CODE, JAIDA, JBIC, JETRO, NEXI
- OECC, GEC and IGES serving as the co-secretariat

**JAPAN PLATFORM
for REDESIGN :
SUSTAINABLE INFRASTRUCTURE**

<http://jprsi.go.jp/>



[JPRSI Members] (as of Sept 30, 2022)
461 Japanese corporations etc.
working on environmental infrastructure



Possible application for Jatiluhur II

