



AFD's Contribution to Renewable Energies

Knowledge partnership dialogue on clean energy

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développeur d'avenirs durables



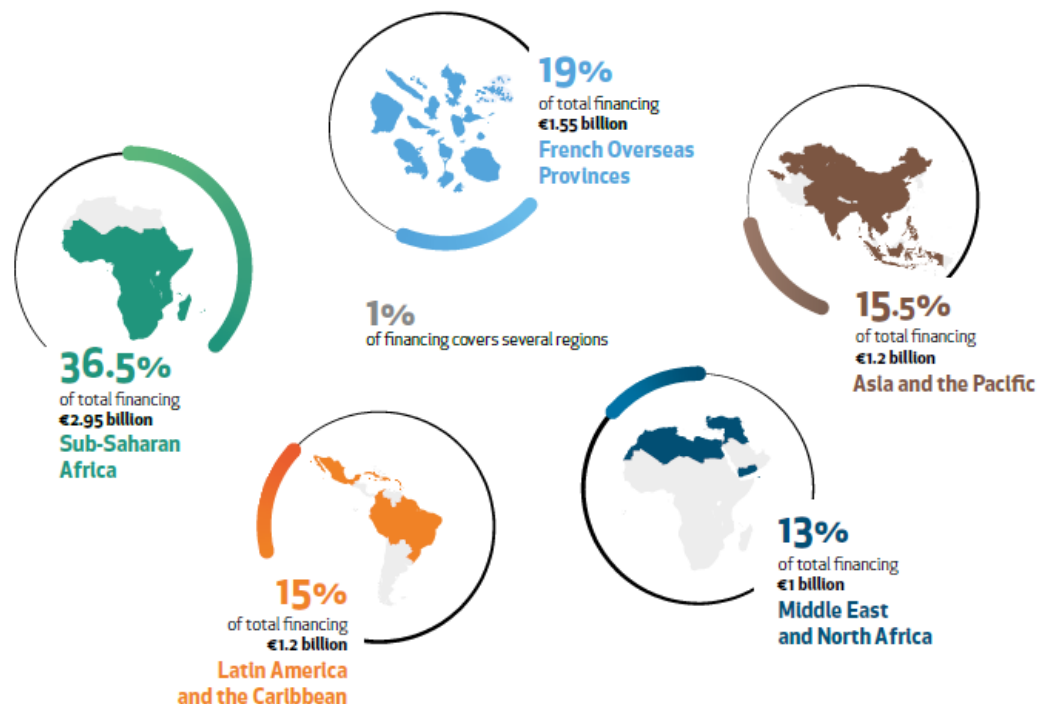
1. AFD – General Overview



1.1

AFD Group : status and mission

- **Agence Française de Développement (AFD)**, a French public financial institution dedicated to fight against poverty and promote sustainable development.
- AFD operates on **four continents (72 offices)** and supports projects and public policies through technical assistance, grants, loans and guarantees.
- In 2014, AFD earmarked **EUR 8.1bn** to finance projects that improve living conditions for populations, boost economic growth and protect the planet



1.2 AFD's resident mission in Indonesia

- AFD operating from Jakarta since 2007
- Mission : promoting green and inclusive growth
 - In line with AFD's general objective & operations accross the region
- Main sectors of intervention
 - Energy
 - Transport
 - Fishery
 - Forestry
 - Bank/Finance
 - Transversal: promoting a low-carbon development

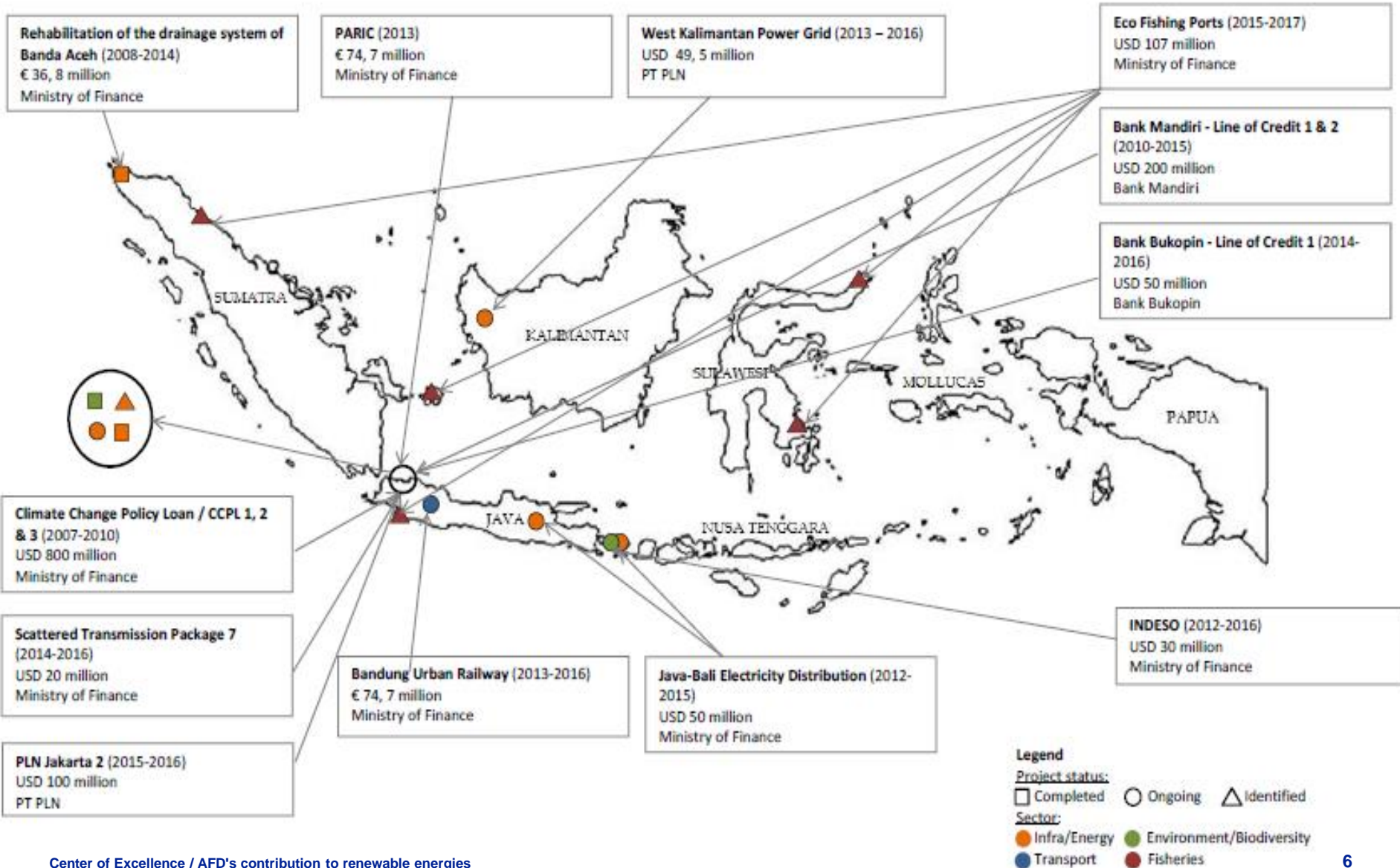
1.3

Ongoing projects in Indonesia (loans)

Project name	Amount lent	Approval by AFD's board	Project description
Energy			
Java-Bali	50 M\$	2009	Rehabilitation of the distribution network in five regions in the islands of Java and Bali by installing new distribution lines, new transformers, new feeders for network reconfiguration and new capacitors.
West Kalimantan	50 M\$	2011	Supplying of clean, less expensive electricity from Malaysia to the West Kalimantan region as well as the connection of new clients thanks to grid extension (construction of a 275 kV transmission network , expansion the existing 150 kV transmission network in West Kalimantan; establishment a new model for increasing household access to electricity.
Jakarta 1	20 M \$	2012	Improvement of the energy efficiency of the Jakarta conurbation electricity system – High voltage component (500 kv)
Jakarta 2	100 M€	2014	Improvement of the energy efficiency of the Jakarta conurbation electricity system - Construction of the high voltage transmission line between Dori Kosambi and Muara Karang
Transport			
Public Transport in Bandung	46 M€	2012	Construction of a railway viaduc in the center of Bandung city (4,1 Km)
Fishery			
Indeso	30 M \$	2011	Protection of marine resources and the prevention of risks related to environmental destruction through the implementation of a multidisciplinary approach to analyze and predict the evolution of oceanic circulation in Indonesian waters.
Bank/Finance (credit lines)			
Mandiri I	100 M \$	2009	Promote RE and EE projects
Mandiri II	100 M \$	2012	Promote RE and EE projects
Bukopin	50 M \$	2013	Promote RE and EE projects

1.4

Ongoing projects - Mapping



1.5

One cross-cutting objective: Supporting low-carbon, climate resilient development paths

47%

of foreign aid projects had a "climate co-benefit"





2. AFD' contribution to sustain the Centre of Excellence (CoE)



CoE, a comprehensive tool for enhancing the renewable energies in Indonesia

- How to facilitate the deployment of clean energy technology solutions?
- How to integrate clean energy knowledge from national and international expertise?
- How to operationalize and sustain the Center of Excellence in this way?
- AFD, as a development partner of the Government of Indonesia in the energy sector, is welcoming initiatives which aims to enhance the importance of renewable energies and contributes to their dissemination widely
- AFD is mobilizing technical assistance for several private and public initiatives, aiming to support the development of concrete & sustainable energy efficiency and renewable energy projects.
- There are lessons learnt from this initiatives and experiences, that could be capitalized and valorized by the CoE

AFD's TA highlights in the area of energy efficiency and renewable energies

- Feasibility studies for a bagass-to-energy and waste-to-energy projects:
- Assessment of energy efficiency and waste-to-energy possibilities in Indonesia
- Feasibility study for smart street lighting in Mataram and Bogor
- Feasibility studies and/or technical assistance to hydropower, geothermal and solar projects
- Partnerships (cofinancing of development costs) in biogas, microhydropower and ESCOs projects
- AFD is supporting public & private initiatives aiming to respond to the EE & RE needs.
- Output: Identification of possibilities and constraints for RE development in Indonesia, from local to national level, from public and private stakeholders

AFD's contribution within the Sustainable and Inclusive Energy Program (SIEP)

- AFD, partner of the SIEP :
 - Financial contribution of USD 150 millions to the program
 - Technical assistance in order to support the policy reforms in the energy sector
- AFD's technical assistance focusing on energy efficiency and renewable energies issues, in close coordination with others developing partners involved (ADB as lead development partner, KfW, World Bank...)
- TA should be mainly focusing on policy reforms relative to Geothermal (supporting reforms envisaged in the new geothermal law), Wind power and solar rooftop (feed-in tariff) or Energy efficiency initiatives at local level (municipalities)
- Technical assistance outputs could be shared and capitalized within the Center of Excellence in order to be more widely disseminated

3.4 To conclude

- Large number of initiatives = large number of experiences to capitalize
 - Renewable energies implementation shall be adapted to each environment and constraints
 - Capitalization and dissemination of lessons learnt will contribute to the development of more sustainable EE & RE projects and to a larger scale
- Public policy reforms & private initiatives = key success for renewable energy development. Importance to share information and role of CoE as an interface for different stakeholders.
- AFD, as development partner in the energy sector and more specifically in the renewable energy sector, is willing to support the efforts of the Government in order to deploy clean energy solutions



Terima Kasih!

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