

Mekanisme Pembiayaan serta potensi penurunan risiko investasi proyek efisiensi energi

Jakarta, 06 Mei 2024



Kerangka Pembahasan

1. Program Strategis BPDH: Industri Rendah Karbon dan Ekonomi Sirkular
2. Tanggapan terhadap Synthesis Study on Energy Efficiency Financing Mechanisms
3. Pembelajaran dari Insentif PLTS Atap di Kategori Rumah Tangga
4. Pembelajaran dari Praktik *Blended Finance* dari Program Catalytic Funding for Leveraging Impact

Pemerintah Indonesia telah berkomitmen berkontribusi untuk mendukung visi Indonesia untuk melestarikan fungsi lingkungan hidup, mencegah polusi dan degradasi lingkungan



Masalah lingkungan adalah isu lintas sektor



Interelasi lintas sektor

- Otoritas teknis tetap berada pada K/L
- Kolaborasi dalam penggunaan dana



Perlu solusi untuk:

- Mengakselerasi implementasi program melalui penyaluran dana kepada penerima manfaat
- Pengelolaan multi-tahun
- Pemenuhan terhadap standar internasional





KEMENTERIAN KEUANGAN
REPUBLIK INDONESIA

PROSES BISNIS



Board of Supervisor

Project Board

Technical Team



Reporting

Reporting

Monev

Line Minister/
Program Owner

Beneficiaries



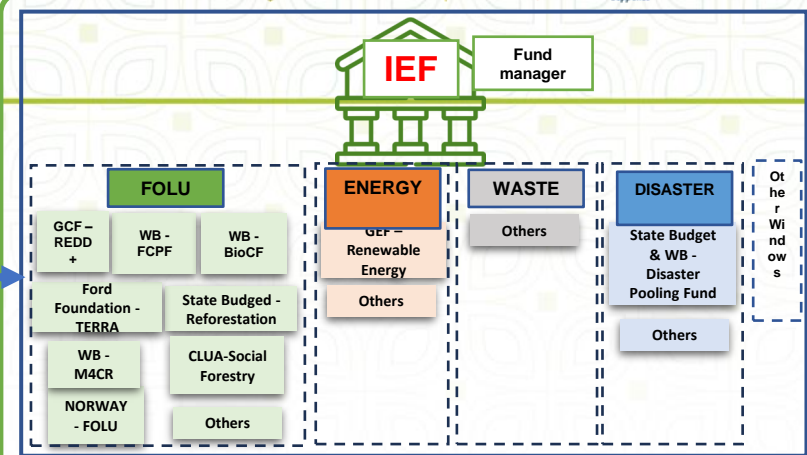
- Individual
- Government institutions at the National and Sub-National levels;
- civil society organizations;
- Private sector;
- Research / education institutions;
- Community Group

Intermediary Agencies

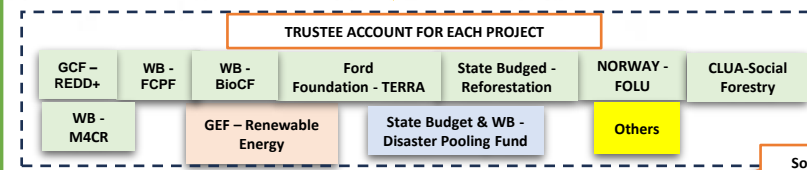


Indirect

Direct



Payment order based on the mandate



Trustee
BANK

General

Source of funds
State Budget

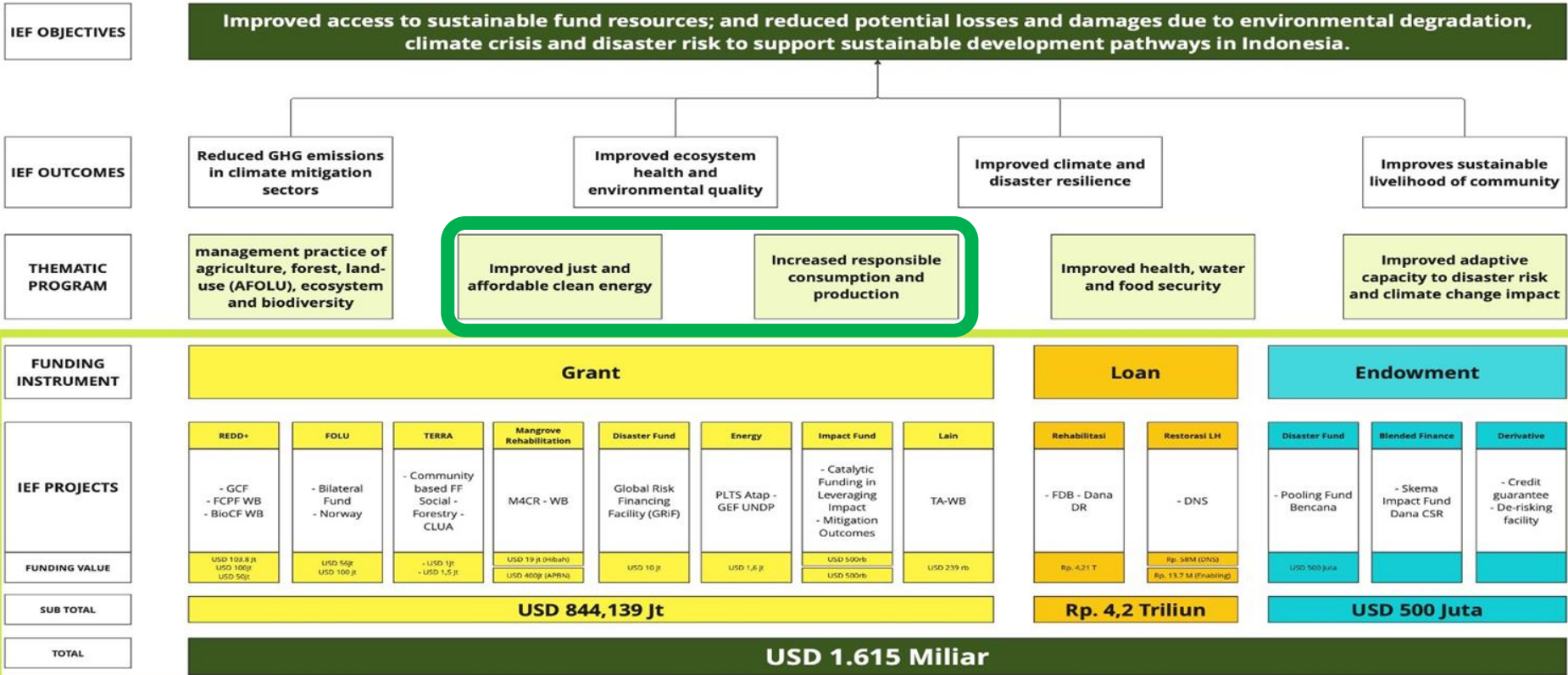
Other Source Funds to be distributed to beneficiaries

Operational Fund

- REDD+
- Terra
- Reforestation
- FOLU
- Energy
- PFB
- M4CR
- SOCIAL FORESTRY

Mandates

Reporting



Program Strategis BPD LH: Pengembangan Energi Terbarukan, Industri Rendah Emisi Serta Bangunan Hijau

IEF's Programmatic Themes

Themes	Programme Theme #1 Agriculture, Forest, Land-use and Sustainable Ecosystems Management	Programme Theme #2 Just and Affordable Clean Energy	Programme Theme #3 Circular Economy and Zero Waste Emission	Programme Theme #4 Health, Water and Food Security	Programme Theme #5 Climate and Disaster Resilience
Sub-themes	Conservation and Protection of Biodiversity and Ecosystems	Renewable Energy Development	Circular Economy	Food Security through Sustainable Food Supply Chains	Loss and Damage & Climate Adaptation
	Rehabilitation and Restoration of Biodiversity and Ecosystems	Low-Emission Industry and Green Building	Integrated Waste and Pollution Management	Integrated Water Resource Management for Resilient Water Supply	Disaster Risk Management
	Sustainable-use of Natural Resources, Biodiversity & Ecosystem Services	Low-Emission Transportation	Hazardous Waste and Materials Management	Human-animal-environment Health	Nature-based Solutions for Climate Adaptation and Disaster Risk Reduction
	Adaptive Governance & Sustainable Financing	Adaptive Governance & Sustainable Financing	Adaptive Governance & Sustainable Financing	Adaptive Governance & Sustainable Financing	Adaptive Governance & Sustainable Financing

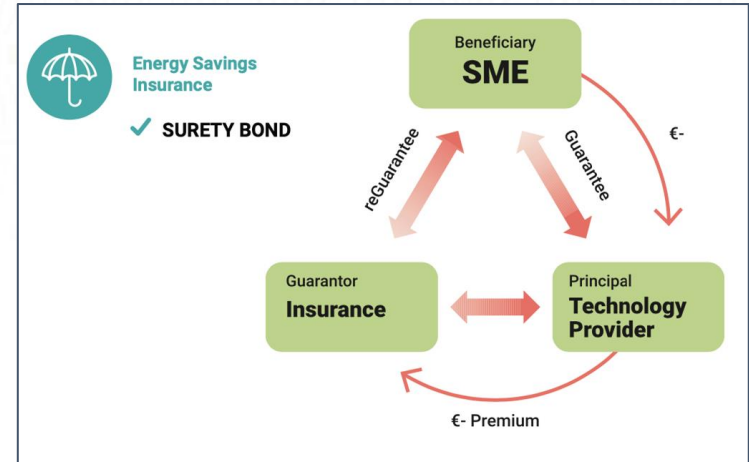
Peran BPDHLH Dalam Skema Pendanaan Efisiensi Energi

Pemerintah melalui BPDHLH berperan dalam melakukan intervensi kebijakan efisiensi energi melalui **penguatan kondisi pemungkin** (*enabling condition*) dengan **peningkatan kapasitas** agar skema pendanaan efisiensi energi dapat dijalankan;

Jenis *enabling condition* yang dilaksanakan BPDHLH dapat berupa:

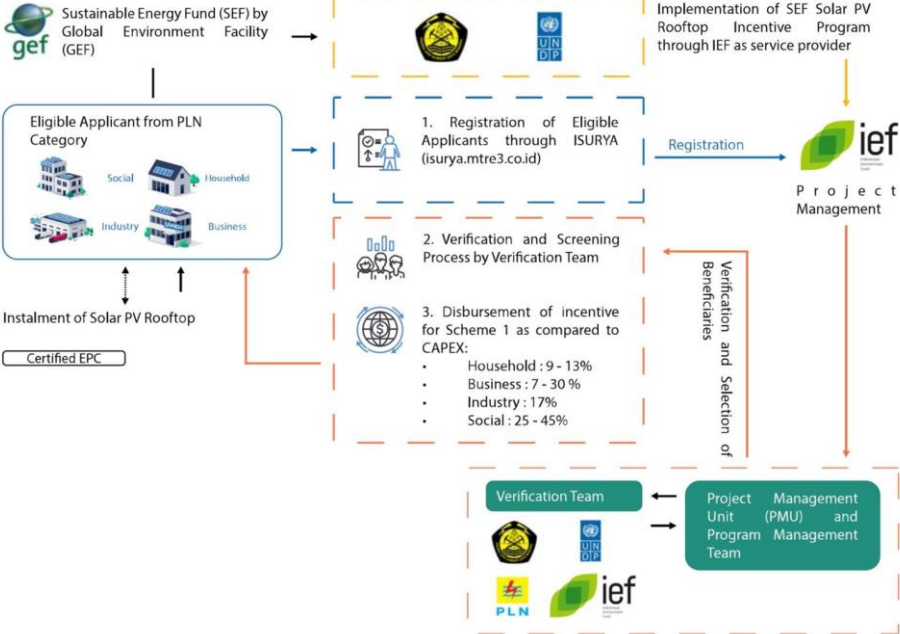
Pendanaan yang **dihimpun dari berbagai donor** untuk memobilisasi asistensi teknis dalam pembuatan *Feasibility Study / Internal Grade Audit* yang membantu *beneficiary* untuk melaksanakan Efisiensi Energi

Menyiapkan **instrumen guarantor** untuk meminimalisir risiko melalui kerjasama dengan Special Mission Vehicle yang bertugas dalam penjaminan infrastruktur



Synthesis Draft, Energy Savings insurance p.81

Pembelajaran dari Program Insentif Pemasangan PLTS Atap Sustainable Energy Fund (SEF) di Indonesia



The SEF grant for Solar PV Rooftop Incentive is a financial incentive for user of solar PV rooftop in order to reach its economic value and shorten the payback period to assist the Indonesia's commitment in accelerating the solar PV deployment and increasing renewable energy in the national energy mix.

**IDR 23,004,201,544
INCENTIVE DISBURSED**



Skema Program Insentif PLTS Atap

Pemetaan Wilayah Penyaluran Insentif

Studi Kasus: Penghematan Tagihan Listrik pengguna PLTS Atap

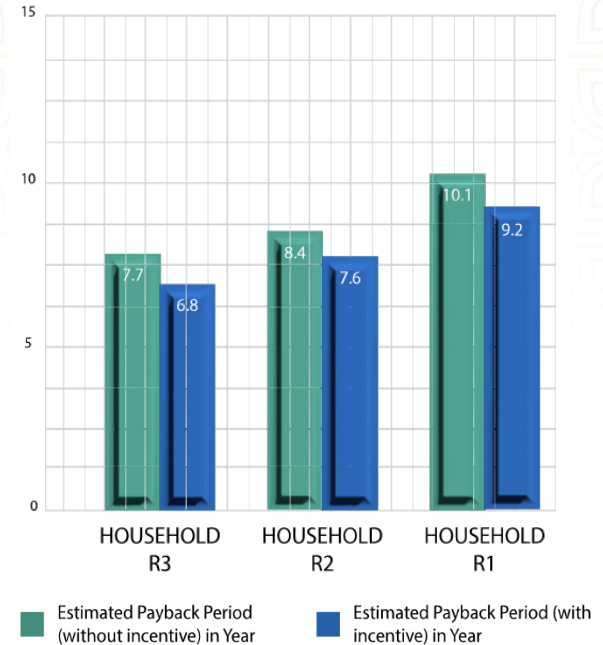
CATEGORY OF PLN CUSTOMER	PLN CUSTOMER CAPACITY (VA)	SOLAR PV CAPACITY (kWp)	PERCENTAGE OF SAVINGS (%)		
			Minimum	Maximum	
Households	R1	2,200	2	58%	61%
	R2	5,500	5	45%	49%
	R3	7,700	4	40%	48%

Kategori	Total Kapasitas (kWp)	Estimasi Penghematan Tagihan Listrik	
		Tahunan	Bulanan
Household - R3	738	IDR 1,863,365,957	IDR 155,280,496
Household - R2	255	IDR 635,816,330	IDR 52,984,694
Household - R1	47	IDR 99,596,526	IDR 8,299,710

*studi kasus hanya pada penerima insentif

** studi kasus pada kondisi sistem ekspor-impor listrik berlaku

Studi Kasus: Rata-rata *payback period*



Pemberian insentif membantu mempercepat *payback period* bagi pengguna PLTS Atap sehingga menurunkan resiko tak terduga di masa depan bagi pengguna

The Indonesia Impact Fund (IIF) is the first **Indonesian private equity impact investment fund** to support the development of early-stage impact ventures in Indonesia that support the achievement of priority Sustainable Development Goals (SDGs) in Indonesia.

Impact Indicator based on UN SDGs

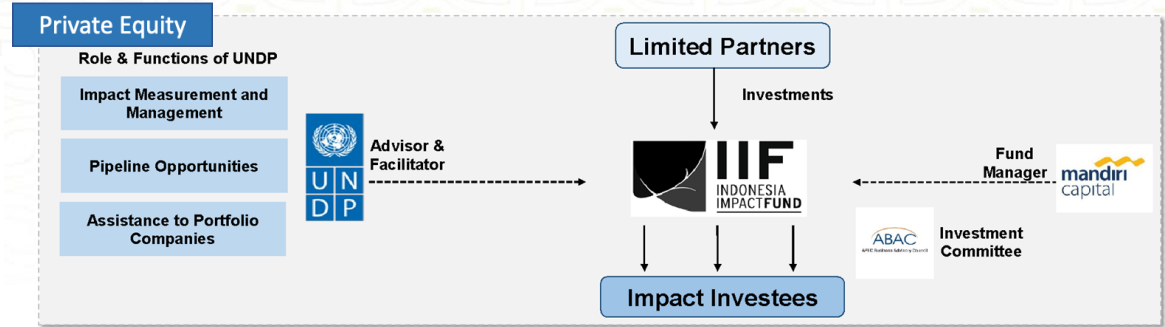
SUSTAINABLE DEVELOPMENT GOALS



IIF primaries SDGs focus

IIF promotes 2 over-arching themes across all sectoral targets above

- Gender Equality & Woman Empowerment:** IIF will consider the development of startups that are women-led or focusing on woman-empowering solutions across each sectoral target
- Climate Adaptation & Resilience:** IIF will consider the incorporation of best practices on the climate adaptation approach, such as carbon emission reductions, climate resilience, energy efficiency through renewable energy, circular economy, alternative plastic, and other related climate tech solutions.





Terima
Kasih.