



2022 South Korea

# RE Investment Indonesia

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# About KOMIPO

Domestic

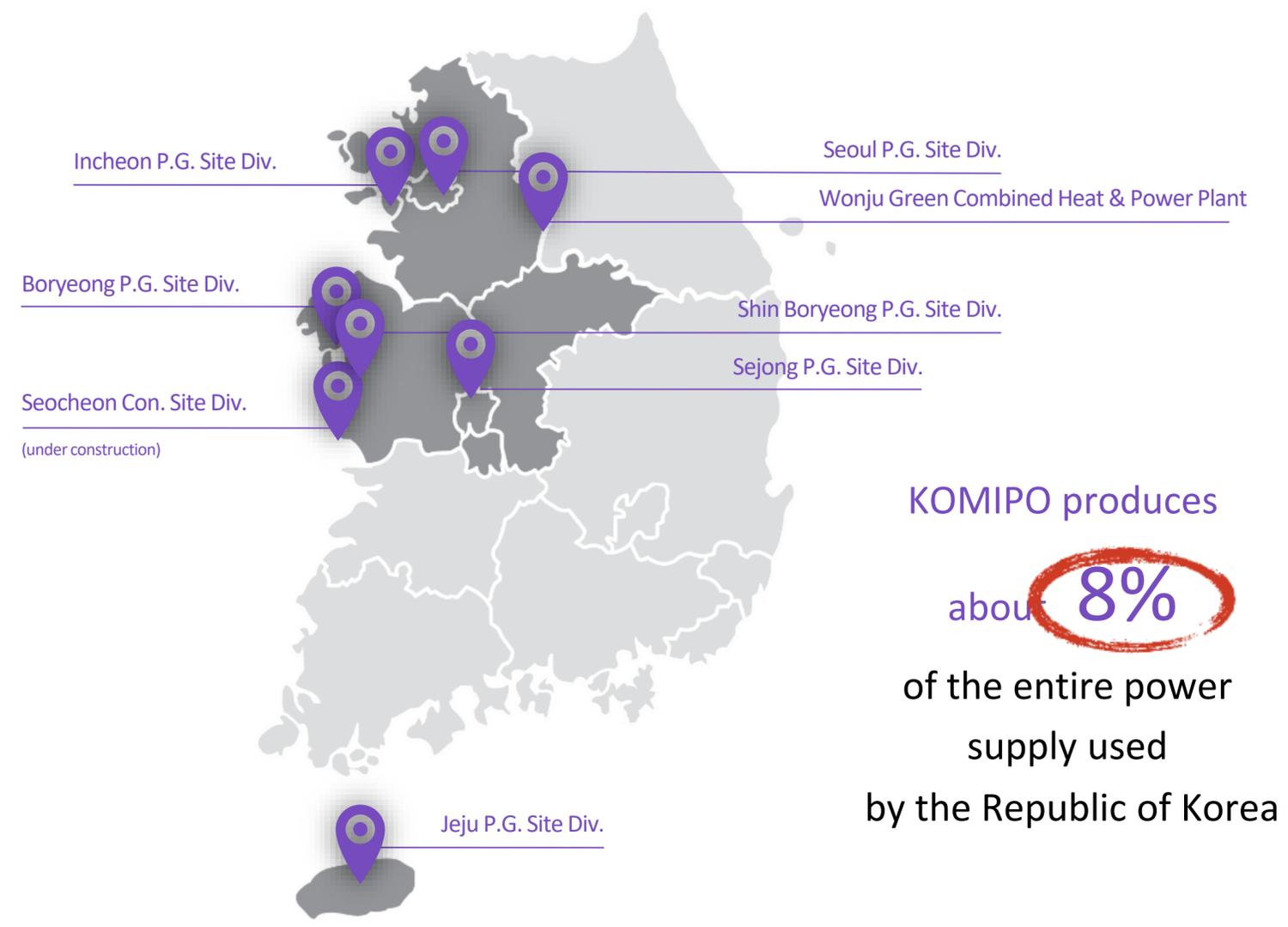
Overseas

Global Energy Leader, KOMIPO



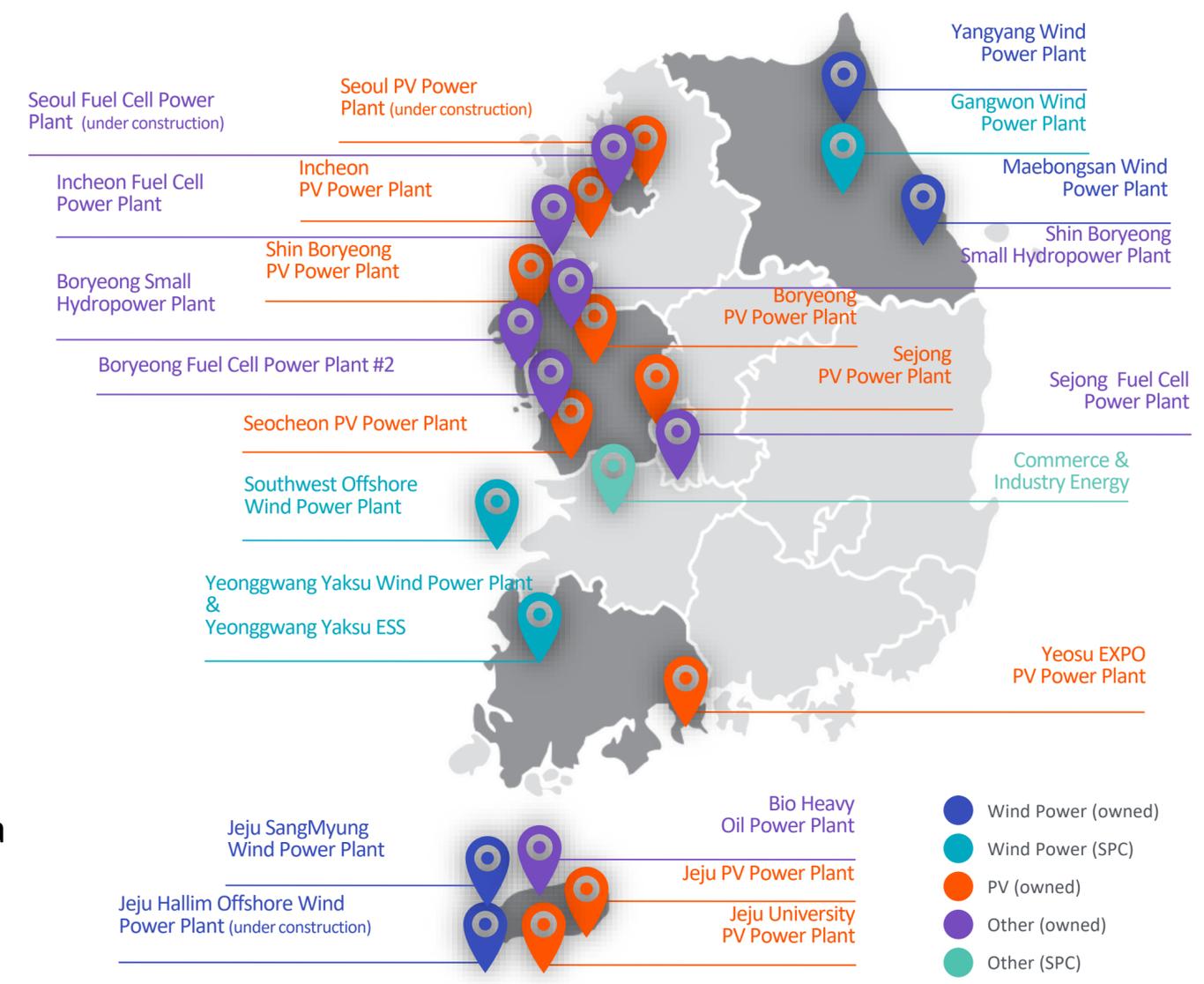
# Domestic(South Korea)

## Status of Domestic Thermal Power Plants



KOMIPO produces about **8%** of the entire power supply used by the Republic of Korea

## Status of New and Renewable Energy Operations



# Domestic Renewable Energy



## Wind Power Generation

KOMIPO currently operates about **158.1 MW** worth of wind power generation facilities, including the SPC business. It has set a target of about **3.7 GW** worth of onshore and offshore wind power generation by 2030.

Jeju SangMyeong Wind Power Plant



Gangwon Wind Power Plant



## Photovoltaic Power Generation

KOMIPO currently operates about **15 MW** worth of its own photovoltaic facilities. It is also a leader in developing ground-mounted, floating, and roof-top photovoltaic businesses through its PV "3-Way Project."

Shin Boryeong PV Power Plant



Yeosu EXPO PV Power Plant



# Overseas

## KOMIPO America(USA)



USA

Elektron ESS Project

California, 63 MW

Boulder 3 Solar Project

Nevada, 128MW

Concho Valley Solar Project

Texas, 160MW

Primera Solar Project

Spain, 83MW

## KOMIPO Europe



SPAIN



Sweden

Gubbaberget Wind Project

Sweden, 74 MW

Stavro Wind Project

Sweden, 254 MW

Van Phong Coal Thermal O&M Project

Vietnam, 1,320 MW

Siborpa Hydropower IPP Project

Indonesia, 114MW

Jawa 9,10 T/P O&M Project

Indonesia, 2000MW

Tanggamus Hydropower IPP Project

Indonesia, 55.4MW

Cirebon 1 T/P IPP Project

Indonesia, 660 MW

Cirebon 2 T/P IPP Project

Indonesia, 1,000 MW

## KOMIPO Asia

Indonesia

## KOMIPO Global

Wampu HPP Hydropower IPP Project

Indonesia, 45 MW

Tanjung-Jati T/P O&M

Indonesia, 1,320 MW

Dalby Solar Project

Australia, 83MW

- In Operation
- Under Construction
- Under Development
- Local Subsidiary

# Operation in Indonesia

Over **5.0 GW** power generation capacity in Indonesia has been generated since 2014

Project		Capacity	Project Period
Indonesia (Invest, O&M and Technical Service)	Cirebon 1	thermal 660 MW	'12 ~ '42
	Tanjung-Jati	thermal 1,320 MW	'12 ~ '32
	Wampu	Hydro 45 MW	'16 ~ '46
	Tanggamus	Hydro 55.4 MW	'18 ~ '48
	Cirebon 2	Thermal 1,000 MW	'22 ~ '47
	Jawa 9,10	Thermal 2,000 MW	'20 ~ '45



# New Opportunity

Hydro Power

Green Hydrogen and Ammonia

Carbon Credit Market

Expand RE Portfolio

Global Energy Leader, KOMIPO



# Hydro Power

DPT process has been delayed due to COVID-19 and looking for official announcement of DPT schedule and KOMIPO is willing to participate in bidding with competitive tariff.



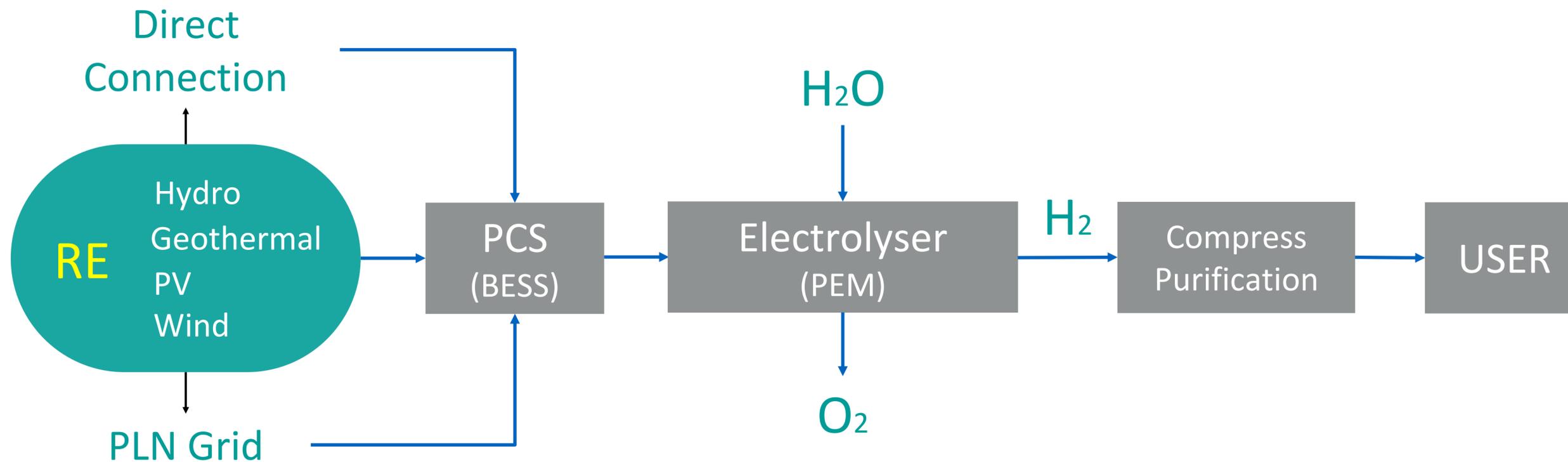
Over 6 hydro power project, 641MW are being developed and preparing DPT process.

Project		Capacity	Status	
Indonesia Hydro Power	Smarkilang	Ache	98 MW	F.S Updating
	Tripa-2	Ache	112 MW	F.S Updating
	Kaperas	N-Sumatra	68 MW	F.S Updating
	Siborpa	N-Sumatra	114 MW	SPC Invest DPT Process
	Ponkeru	S-Sulawesi	107 MW	F.S Complete DPT process
	Flores	E-Timur	35 MW	F.S Updating

# Green Hydrogen/Ammonia

As Pilot Project

**Utilizing developed project area or new location** near to consumer / harbor to be transported. South Korea Genco would be potential hydrogen(Ammonia) off-taker to reduce greenhouse gas emission

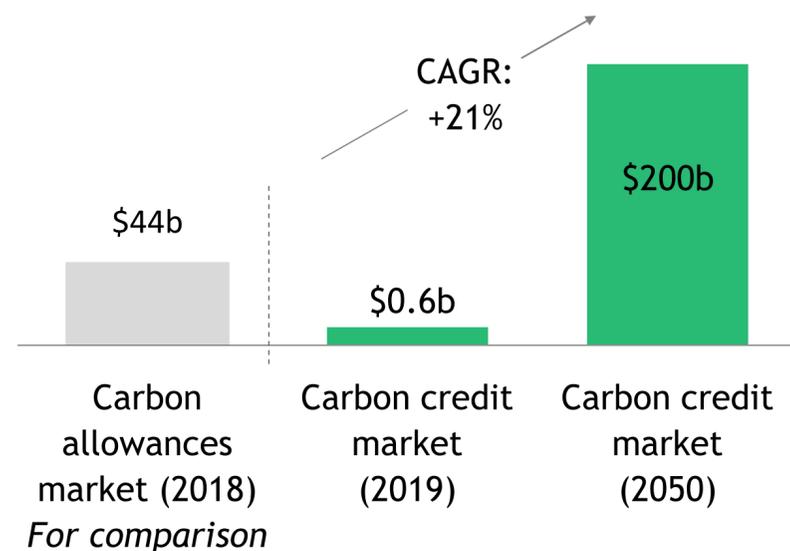


# Carbon Credit Market / Global RE100

Carbon credit markets are experiencing explosive growth in quantity

**Global carbon offsets market could be worth \$200 billion by 2050: Berenberg**

\* Source: S&P Global Platts

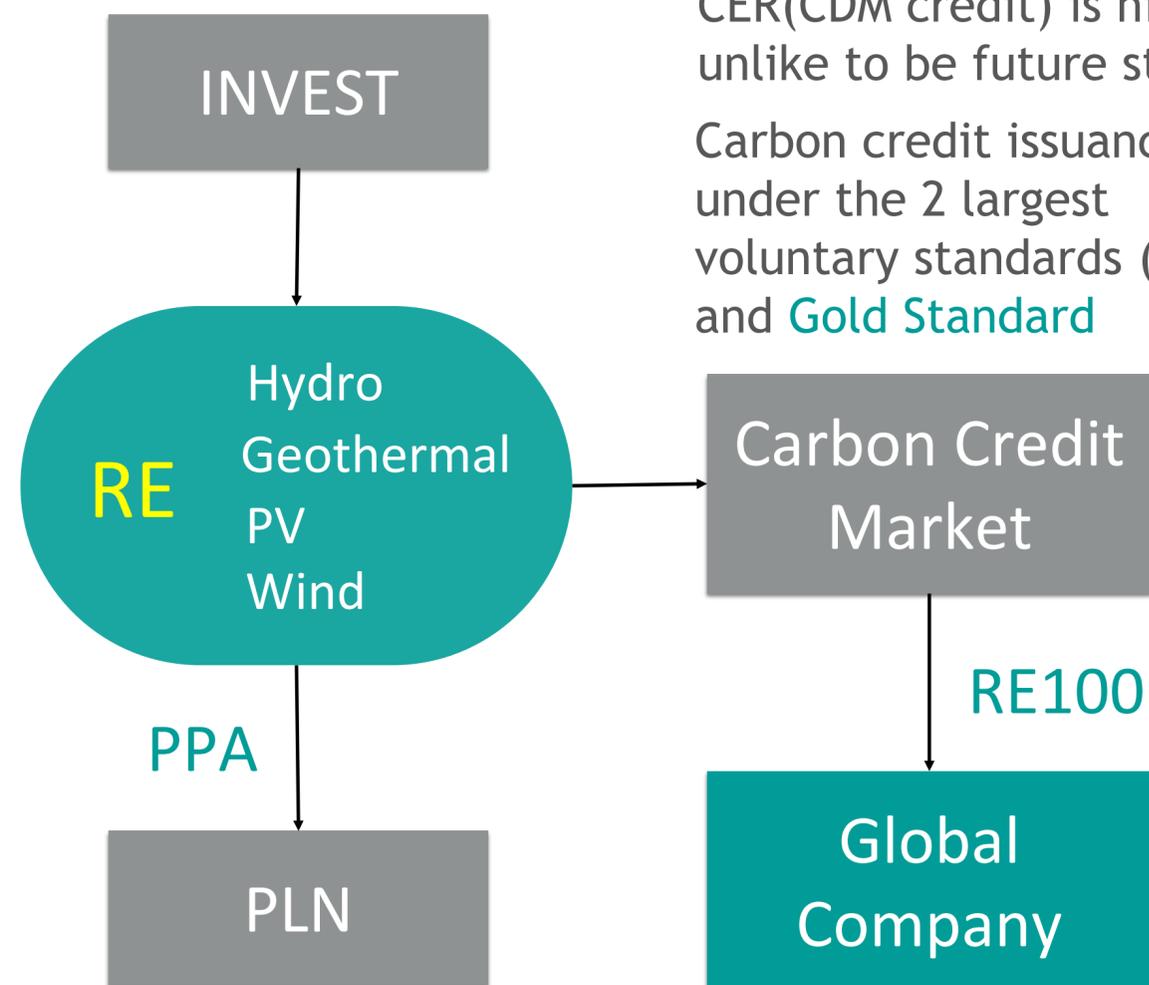


**Regulation  
Uncertainty**

**What to buy?**

**What to say  
about carbon  
credit purchases?**

**How to account  
for and report  
carbon credits?**

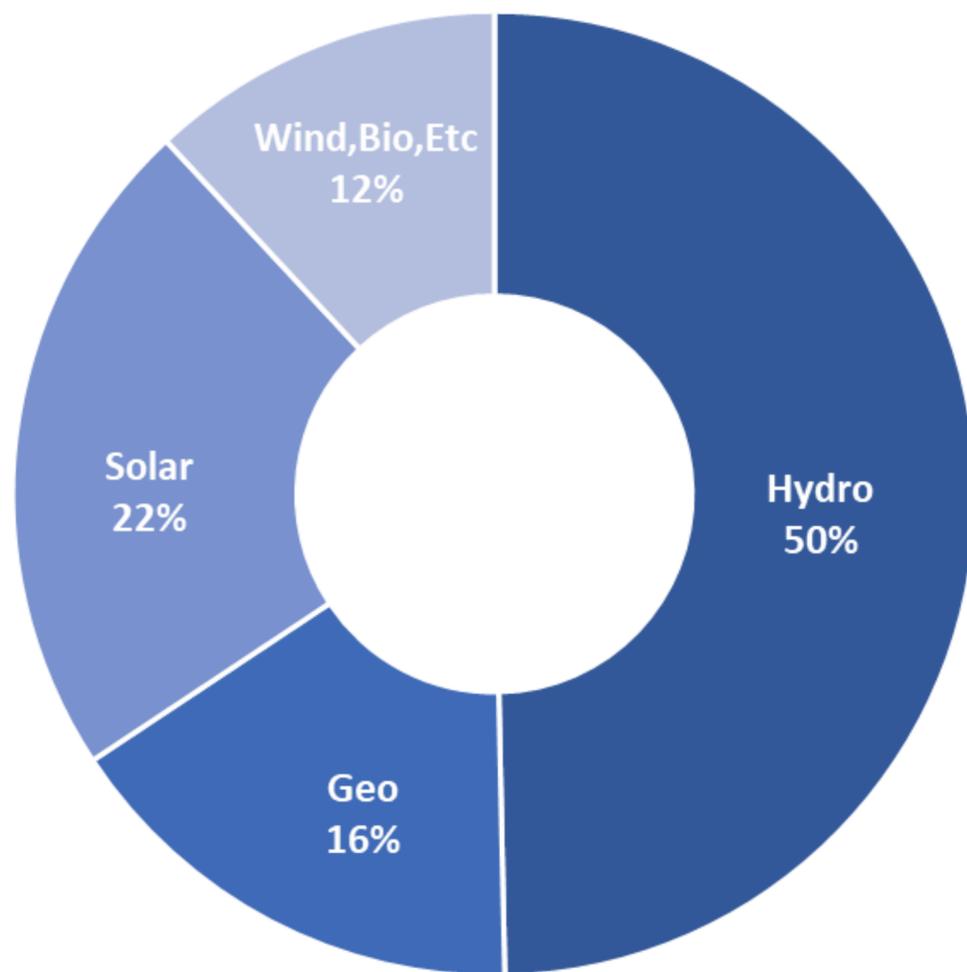


CER(CDM credit) is highly unlikely to be future standard  
Carbon credit issuances under the 2 largest voluntary standards (VCS and Gold Standard)

# Expanding in RE portfolio with reliable partners

Current : Hydro → Future : Wind, Solar, Geothermal, Ocean(tidal, wave) with Indonesian Partners

## Indonesia RE Development Goal for 2030



\* Source: RUPTL 2021-2030



Geothermal : Sarulla 330MW

KOMIPO willing to expand RE portfolio by partnership with reliable Indonesia partners and currently discussing with Pertamina(PGE), IP and PJB.



SRF : Wonju, South Korea, 10MW

KOMIPO is currently operating Waste-Energy(SRF:Solid Refusal Fuel) in Wonju, South Korea and looking for Indonesia Bio-Fuel development investment and operation.



Solar PV : USA, 128MW

KOMIPO has developed in Solar PV in USA and Wind power in Europe. This experience in Solar and Wind power would be advantage in Indonesia RE development and investment

Thank you!, Terima Kasi

