

How Can Innovative “Technology+ Finance” Mechanisms be the Salvage to Climate Emergency?

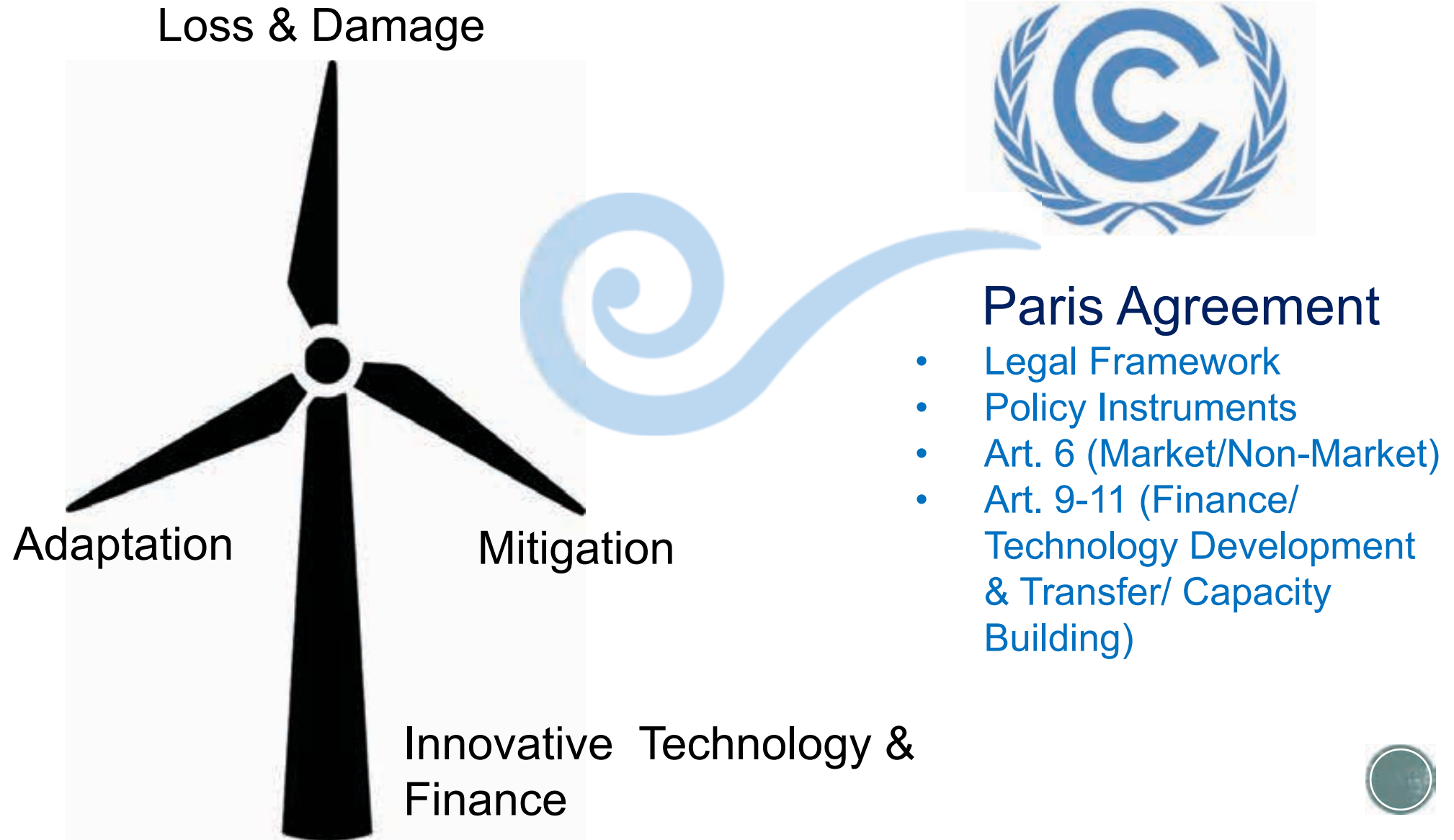
--- Taking Blockchain Application in Small Scale Geothermal Development as an Example



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Main Pillars in Climate Negotiations to the UNFCCC





UNFCCC

Conference of the Parties COP 25

The UN Climate Change Conference – COP 25 – will take place in Madrid, Spain from 2 to 13 December 2019. Countries will negotiate more ambitious plans to limit global warming to 1.5°C, in line with the Paris Agreement.

WHAT IS BEING NEGOTIATED AT COP 25?

WHAT HAS HAPPENED SO FAR AT COP25?

READ: WHAT THE SCIENTISTS SAY

READ: LATEST PUBLICATIONS ON GLOBAL ACTION

Why is it so important?

The next 14 months are critical for global efforts to control greenhouse gas emissions, which **hit a record high in 2018**. Under the Paris Agreement, governments agreed to update their climate plans by 2020.

Who will participate?

COP 25 will bring together heads of state, climate officials, non-governmental organizations, youth groups and local movements and other non-state actors to respond to the climate emergency.

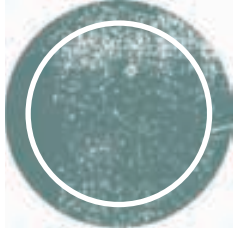
Climate Emergency

Climate science is clear: the world faces a massive ecological and humanitarian crisis. The climate emergency is the defining and most urgent issue of our time, and it cannot be avoided without a global shift away from fossil-fuel dependency.

Climate Plans

Countries are scheduled to update their climate plans and boost their ambition by 2020 in line with the Paris Agreement. COP 25 is a moment to ensure they are aware of the 2020 calendar and start doing their homework.





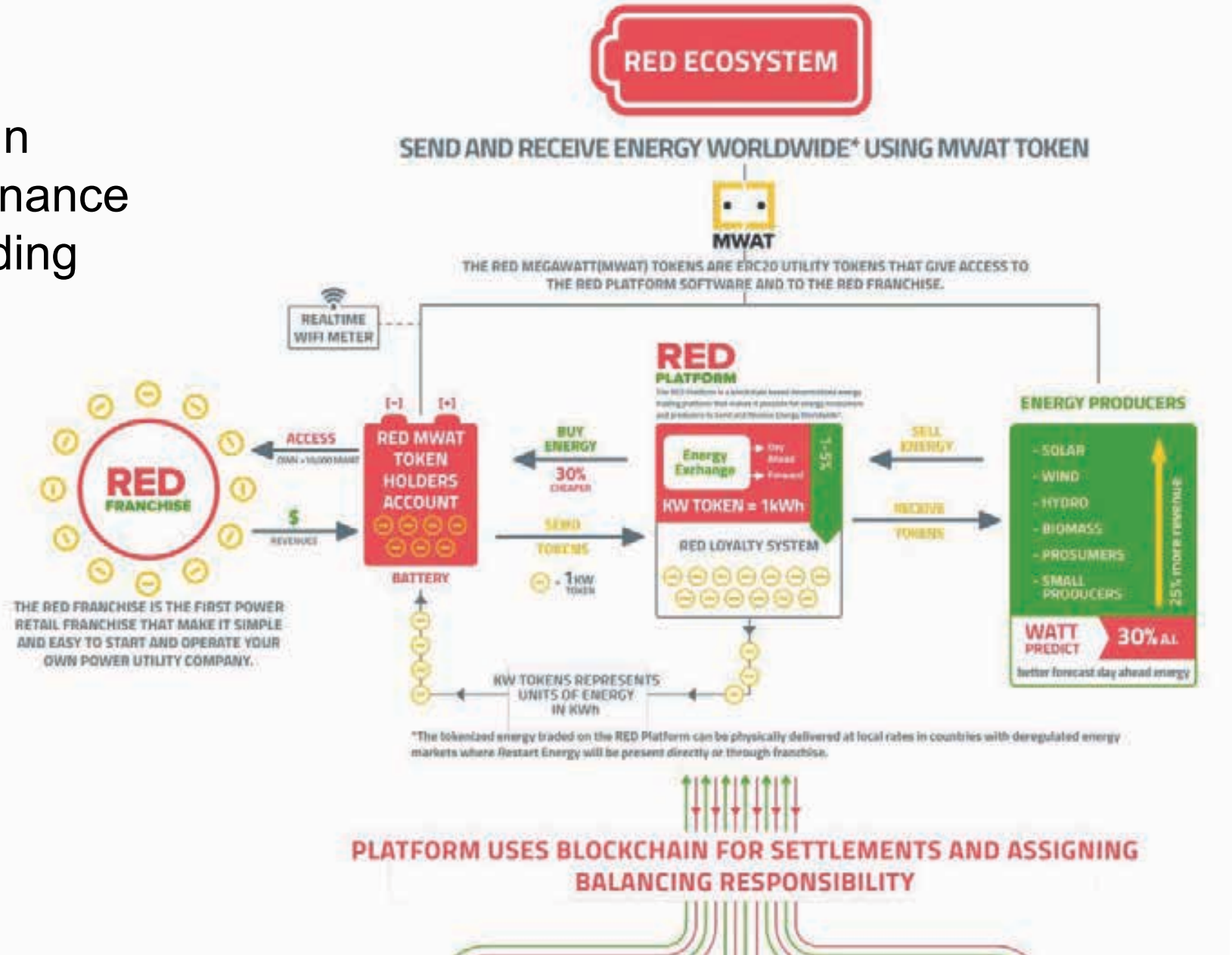
How Energy Transition Can be More Effective and Efficient by Technology Application?



Red Platform:

An Innovative Blockchain Application for Green Finance and Carbon Market Trading

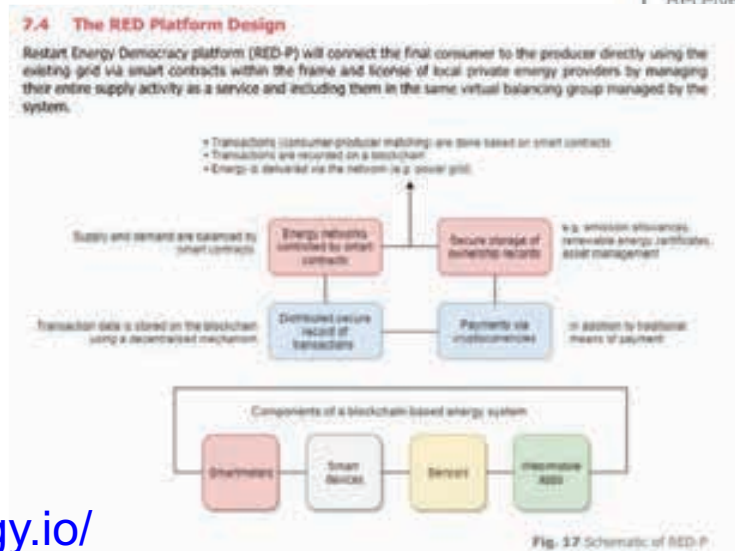
- **Red MWAT Tokens** are issued for smart transactions with BTH/ ETH or electricity.
- The Platform offers stakeholders (e.g. retailers) smart transactions by using tokens (blockchain technology).
- Linking consumers and power suppliers with transparent records.



RED Platform

Blockchain Technology

- Power suppliers receive tokens through the platform
- Blockchain Technology Power Contract
- Balancing power grid supply
- Purchase, trade, energy storage
- Transparent transaction records



PLATFORM USES BLOCKCHAIN FOR SETTLEMENTS AND ASSIGNING BALANCING RESPONSIBILITY

PROCESSES IN A BLOCKCHAIN-BASED SYSTEM

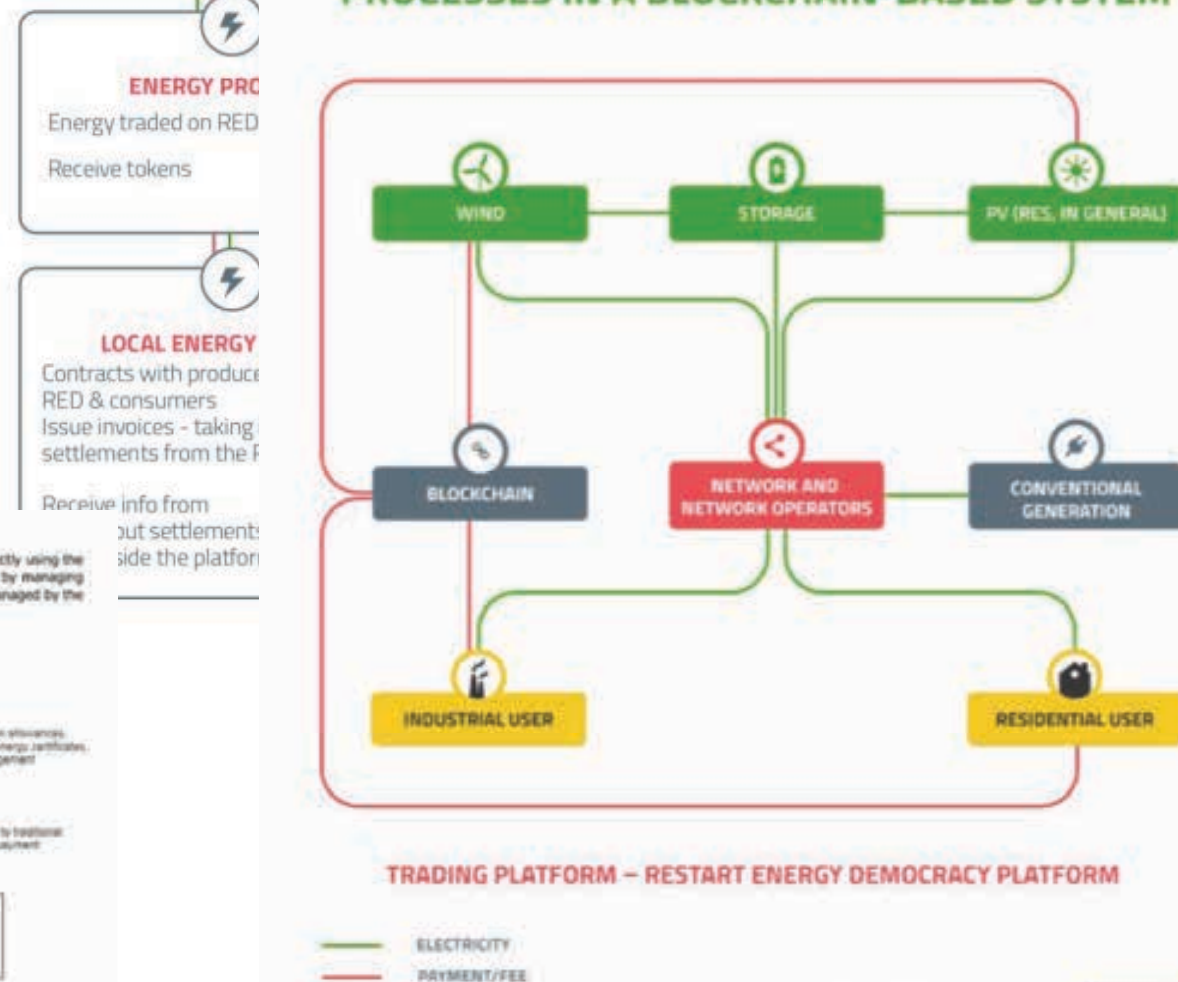
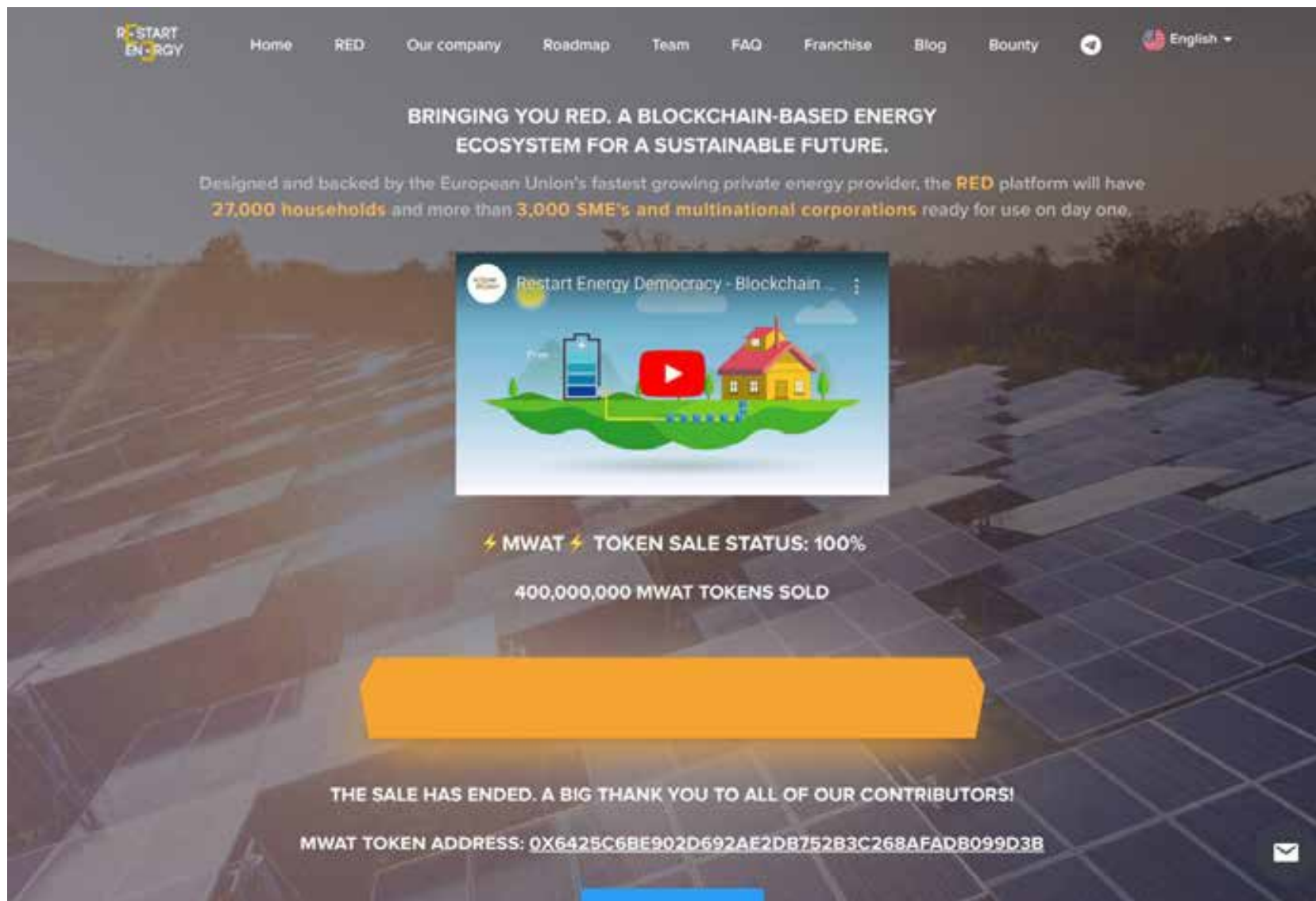
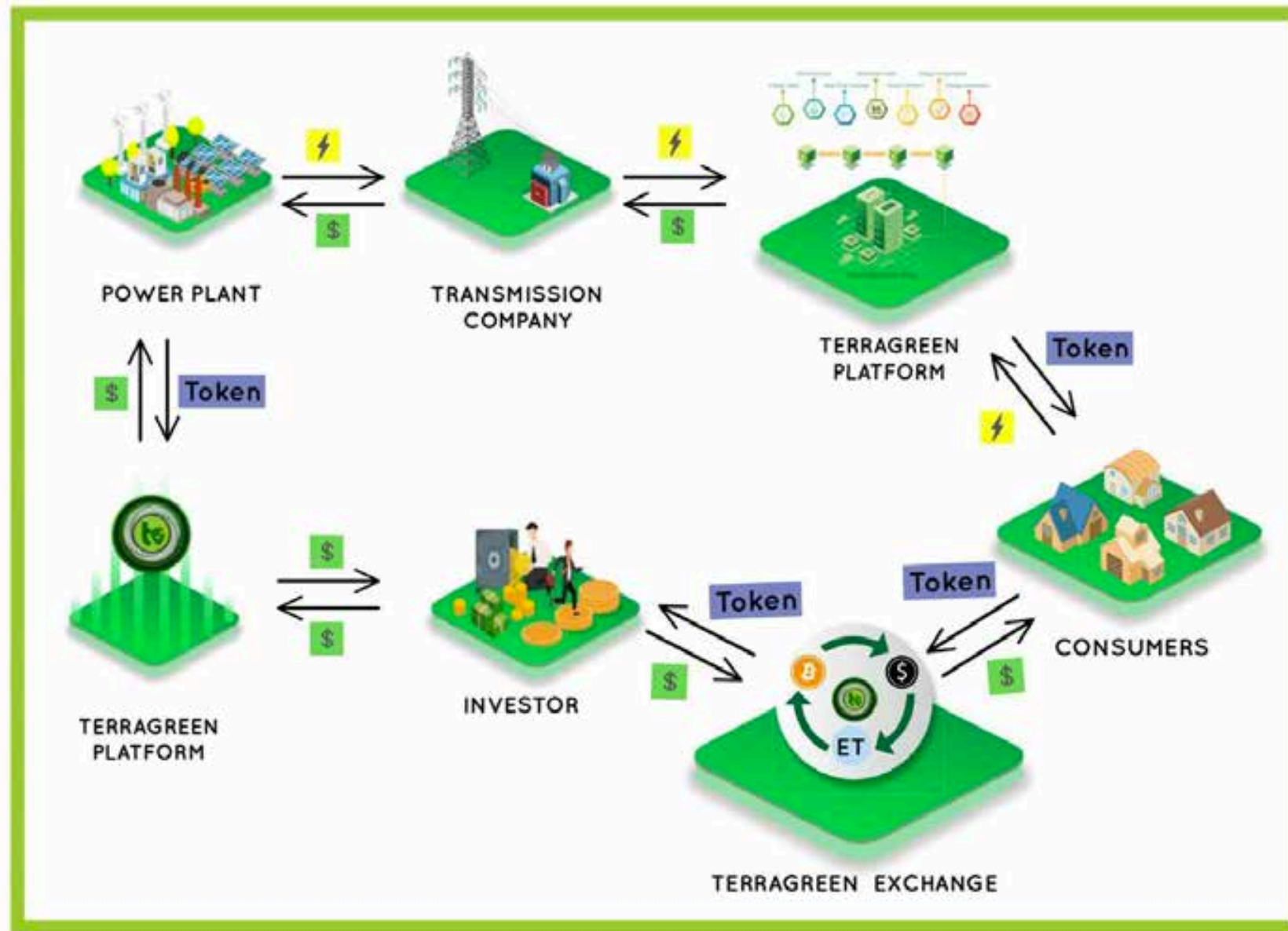


Fig. 11 Processes in a blockchain-based system



<http://restartenergy.io/>



Blockchain Technology for Stimulating Green Finance and Carbon Market – *Terragreen*

- Consumers can purchase green energy paid by tokens on the platform to link with power suppliers.
- Conduct **effective and efficient transactions by blockchain technology** for **tracking, recording, and paying simultaneously**.
- Multiple payment solutions: virtual currency (BTH and ETH), or material currency.

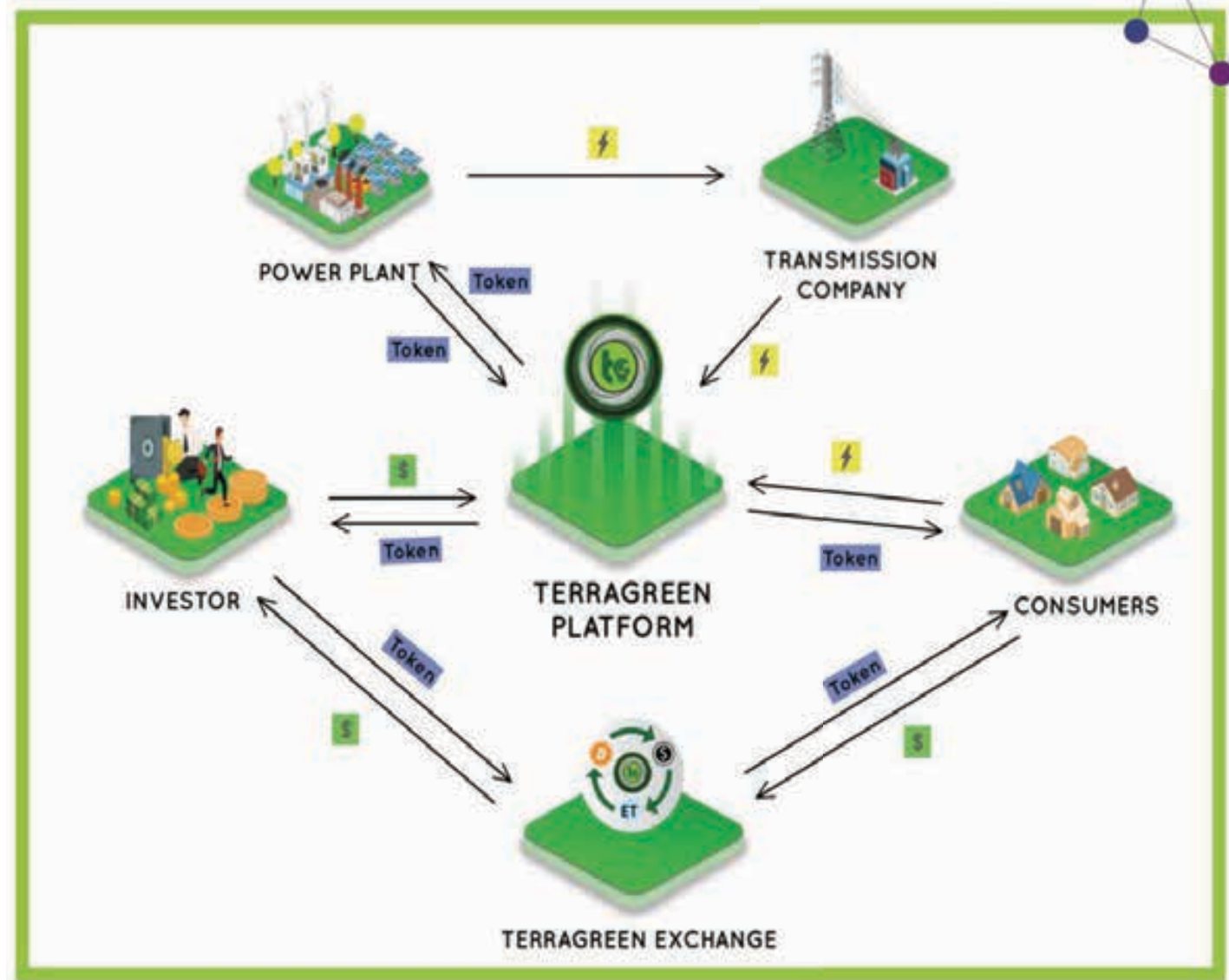


Figure 10: Stage Four of Energy Token DApps Development in TerraGreen Platform

5:49



icobench.com

Happy Thanksgiving!

The evolution of blockchain projects

4.4¹

12 expert ratings

BENCHY

4.0

PROFILE

EXPERTS

4.7

TEAM

4.7

VISION

4.2

PRODUCT



KYC



Review; download now

PRO

~\$6,724,000

value of tokens sold in ICO



Add
Your Company



Security
Custom & Consulting
Smart Contracts
Exchange & Launchpad
Assets

Blockchain
Investment Agency
Market
Platform
Real Estate

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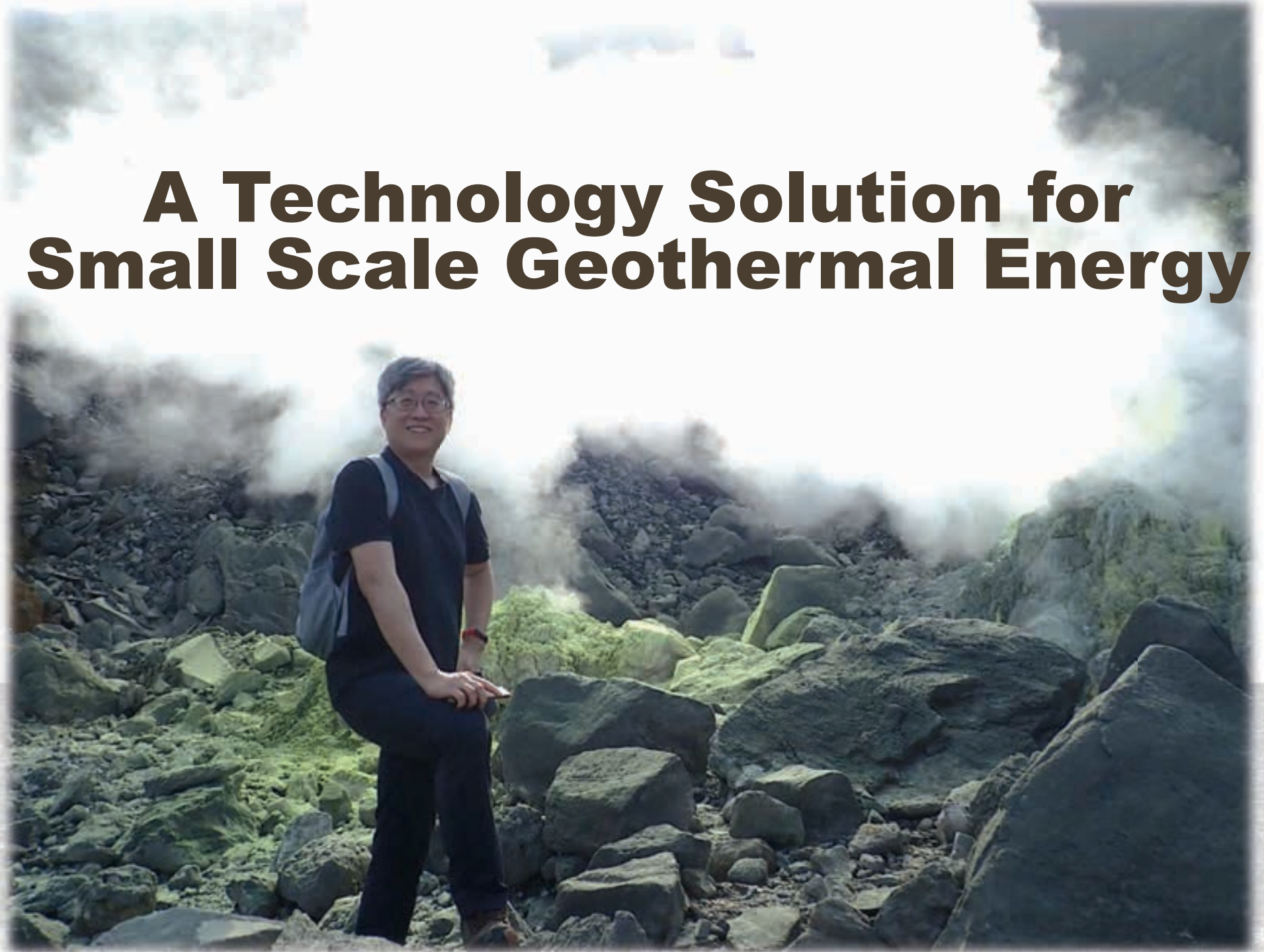
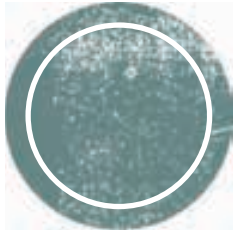
Type

Utility

ICO launchpad

Exmarkets

A Technology Solution for Small Scale Geothermal Energy





Phase I

New Geothermal Power
Plant Project

Traditional Green Finance
(Govt. Budget, Loan,
Grant, Investment)

Blockchain Technology
Company (Stakeholder)

**Blockchain Fund Raising and Token
Issuing for Geothermal Power Project**

Phase II

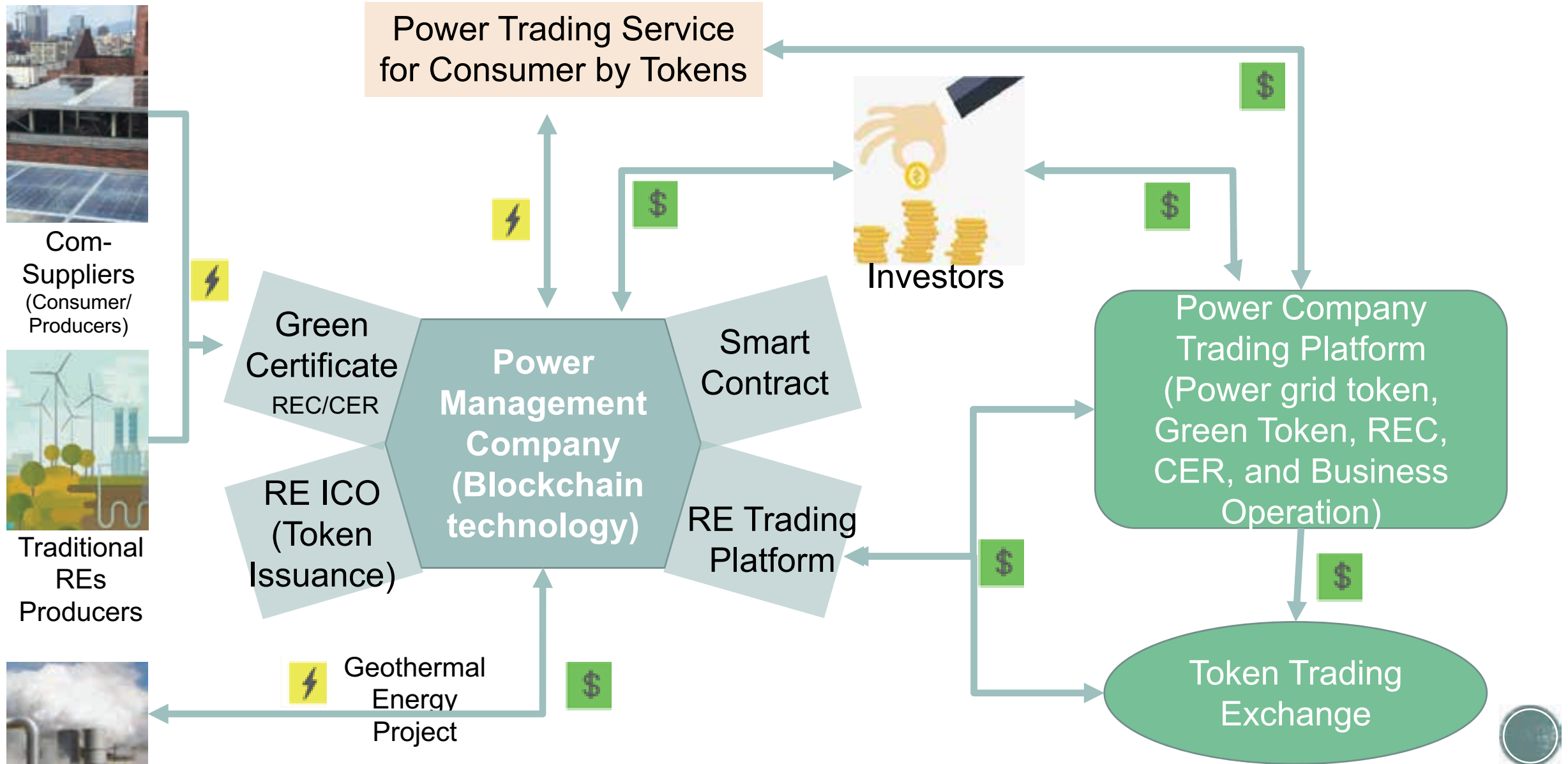
Power Generated by Geothermal

RE Trading on the Platform with Blockchain Technology

Issue **Green Tokens** for Tourism or other **SDG** Purposes



Blockchain Application for REs Trading





Conclusions

- The blockchain technology provides us a good opportunity to plan on the innovative “technology + finance” mechanisms to tackle the Climate Emergency issues, especially:
- Facilitating private sectors’ investment in RE development, so as to rationalize the energy portfolio, including “avoiding fossil fuel dependence.”
- Enhancing effectiveness and efficiencies of carbon trading in both mandatory and voluntary markets.
- Promoting the power market liberalization and its linkage with Environmental, Social, and Governance (ESG) investment and CSR.
- Decreasing potential threats of loss and damage.



COP25

CHILE

MADRID 2019

UN CLIMATE CHANGE CONFERENCE



Thank you

