

ENVISION SUSTAINABLE RENEWABLE ENERGY MOUNTAIN DEVELOPMENT IN INDONESIA



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IWM-UTAH 2015
AGRICULTURE-
RENEWABLE ENERGY IN
MOUNTAINS AREA
INDONESIA



1,919,440 sq kms 17.000 Islands 250 Ethnic

ASIA

INDONESIA

Unity in Diversity

34 Provinces

CAPITAL : Jakarta

253 million Population

4th most populous country on earth

3rd Rice Producer : 69 M

COUNTRY PROFILE

SUMATERA

KALIMANTAN

RAINFOREST

RAINFOREST

SULAWESI

AMBON

PAPUA

Jakarta

JAVA

Agricultural Products: Palm Oil, Coffee, Cocoa, Tea, Cassava, Rice, Spices

Indonesia targets 23% renewable energy by 2025

WHERE IS INDONESIAN ARCHIPELAGO ON THE WORLD MAP ?



- ★ 877 MT VOLCANOES
- ★ 130 ACTIVE
- ★ WHY MOUNTAINS MATTER IN INDONESIA
????

★ AGRICULTURE	★ RAINFOREST
★ INDIGENOUS PEOPLE	★ TOURISM
★ FOOD SECURITY	★ ENDANGERED SPECIES
★ LIVELIHOOD	★ CONSERVATION
★ CULTURE & SPIRITUAL	★ BIODIVERSITY
★ WATER SOURCES	★ CONSERVATION



INDONESIA IS A COUNTRY OF AGRICULTURE &



Indonesian cuisine

Indonesian cuisine is richly-flavored with spices, herbs and other seasonings, and is guaranteed to awaken your tastebuds. It's also a very healthful cuisine, relying on a wide range of fresh, nutrient-rich ingredients including vegetables, grains, fruits, nuts, legumes and fish.



WHY MOUNTAINS ??



ENDANGERED SPECIES



SUMATRAN COFFEE



MOUNTAIN PRODUCTS

FARMING IRRIGATION HERITAGE - SUBAK



RINJANI MOUNTAIN TOURISM



JAYAWIJAYA MOUNTAIN / CARSTENSZ PYRAMID TOURISM



KAWAH IJEN TOURISM



CHALLENGES

Poverty
Food Insecurity
Unemployment
Deforestation



Migration from highland to lowland

Volcano eruptions' effect: Unemployment, Food Insecurity
Sanitation & Clean Water

Damaged : 2,000 hectares of agricultural crops; forests ; buildings ; livestock

Biomass Energy : Woody fuels

50% of Indonesia's energy needs are met by fossil fuels

Mountain people have no access to the national power grid in remote areas



GOAL:

**STEPPING UP AS THE NATION'S 1ST SUSTAINABLE
MOUNT RENEWABLE ENERGY DEVELOPMENT
PROJECT IN INDONESIA**



MISSION:

TO PROVIDE SUSTAINABLE RENEWABLE ENERGY :

- 1. SUSTAINABLE SOLAR GREENHOUSE**
- 2. BIOMASS STOVE**
- 3. SOLAR FARM PHOTOVOLTIC**
- 4. HYDROPOWER**
- 5. SUSTAINABLE SOLAR COOKERS**

BASED ON 5 PILLARS: **POWER**

P:Planting seeds and trees

O:Outcome optimization

through HIS (Holistic,
Innovation and Sustainability)

W:Working with mountain
peoples (children, youth
women, indigenous people)

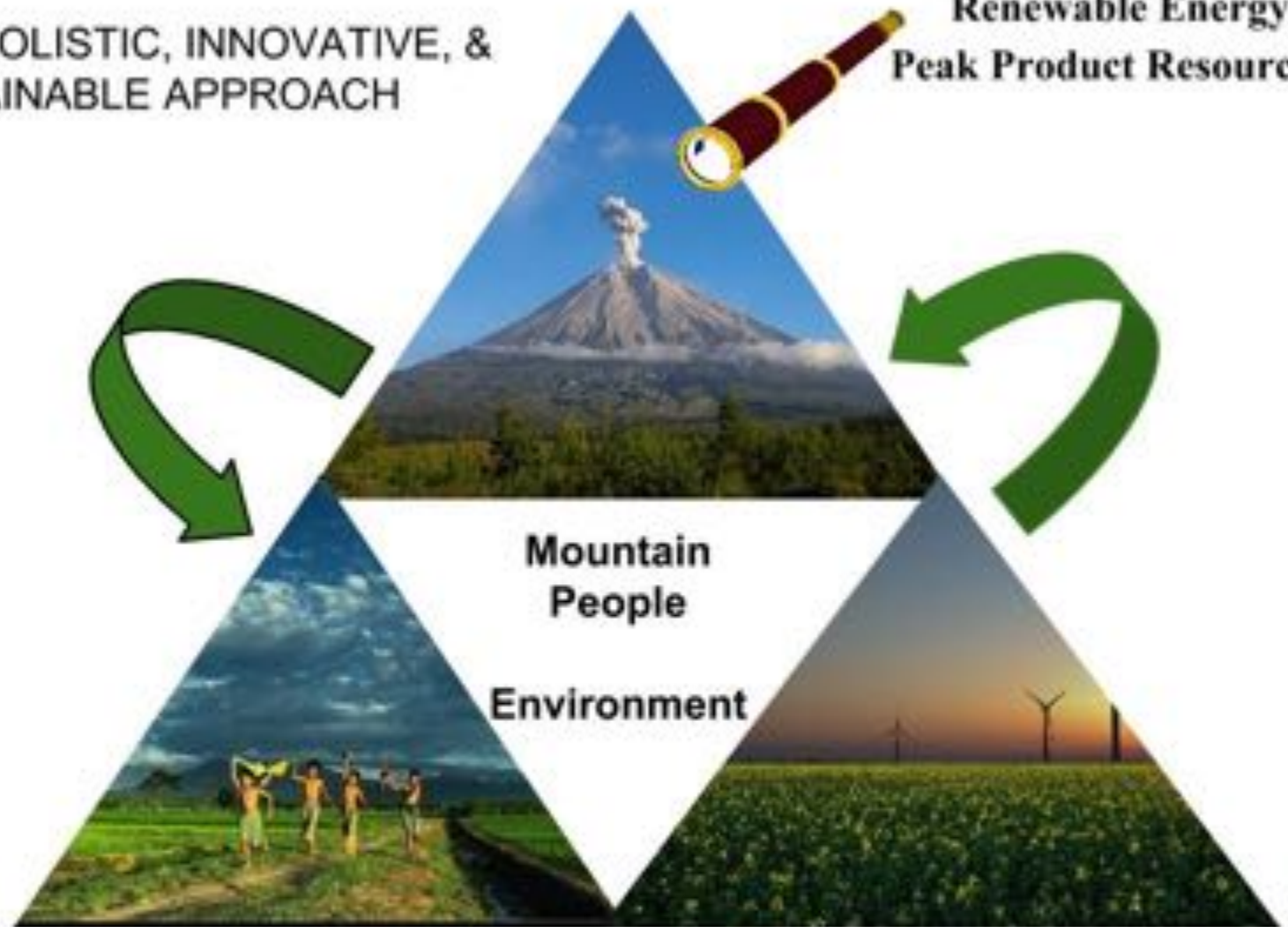
E:Education and outreach

R:Reduce green gas emission:
Reduce, Reuse, Recycle



OUR HOLISTIC, INNOVATIVE, & SUSTAINABLE APPROACH

Renewable Energy
Peak Product Resourcing

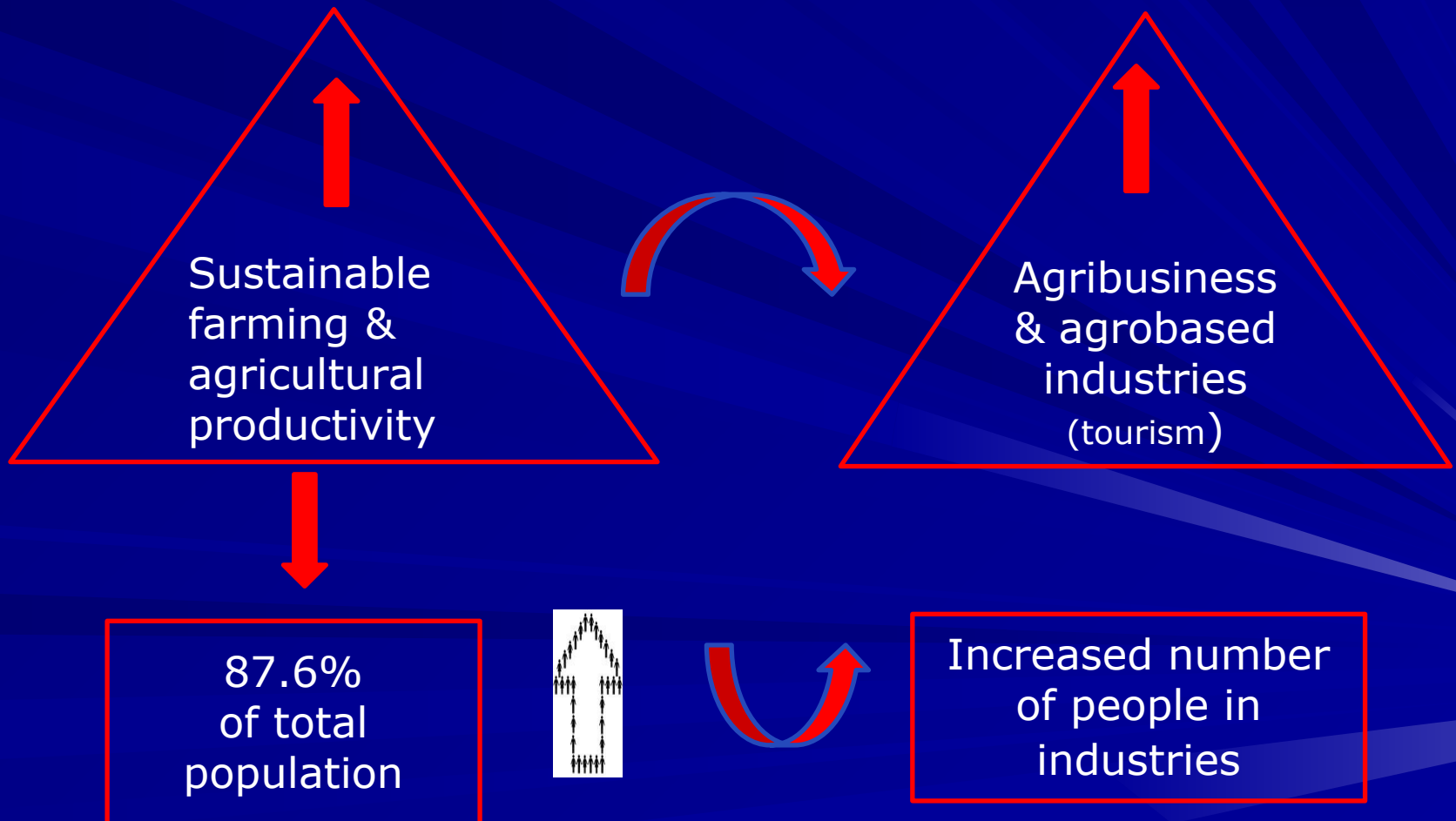


Linking
Peak to Peak

Peak to Peak
Sustainable Stewardship



Sustainable Solar Greenhouse Development



Opportunities: Agro- industry



↑ Productivity

- Better management
 - Production
 - Quality control
 - Commercialization
 - Technology

Investment !

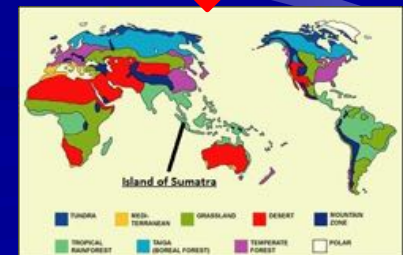


↑ Agro-
industries

Future Investment



- ★ Sustainable Development:
Livelihood Diversification: Entrepreneurship
Renewable Energy: Solar Greenhouses,
Renewable Technology; Tourism.
- ★ Quality: Manpower; Production;
Diversification
- ★ Productivity: Human resources ; Quantity
- ★ Government policy: Trade policies
- ★ Marketing channel: Global Market ; Local
Market



BENEFITS

SUSTAINABLE
MOUNT
RENEWABLE
ENERGY
DEVELOPMENT



FOOD SECURITY

HEALTH

CLIMATE CHANGE

ECOSYSTEM

AGROINDUSTRY

AGROTOURISM

DEVISA

MT PRODUCTS

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**Thank You
Terimakasih**

Question Support Collaboration Insight Comment ?

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