

Energy Transition leaving nobody behind

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Key elements of a just and orderly transition



Asia Transition Finance Study Group

Social welfare: Social and economic development

Employment: Decent jobs and worker protection



ASIA TRANSITION FINANCE GUIDELINES

1st Edition

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Joint research on long-term roadmaps of mitigation and adaptation for ASEAN

Social welfare: Social and economic development	Decision making: People as active participants
Integrated transition pathways for both mitigation and adaptation	Consortium to include stakeholders and civil society in the policy making
Level 1 Hard Set up mountain and flood control dams Lever raising Higher durability of structures Low carbon in iron/cement manufacturing process CCS Daccs	Major ASEAN countries Governments Governm ent
Level 2 Adjustment Minimizing damage Early warning system Voluntary disaster prevention Disaster insurance Appropriate evacuation/waiting by digitalization Improving resilience with emergency power supplies Soft Human Improving forest water retention Reconfiguration Improving forest water retention Reconfiguration Improving forest water retention Independent distributed power generation in the region using renewable energy (solar/wind power generation, V to G, VPP, etc.) Level 3 Transformation Reconfiguration Improving forest water retention Independent distributed power generation in the region using renewable energy (solar/wind power generation, V to G, VPP, etc.) Longer forest life and larger diameter of trees Increased carbon fixation due to rejuvenation of forest age Zero-emission residential area by ZEB, ZEH in areas with low exposure (highlands, etc.) Afforestation/ reforestation	Finance, heavy industry, manufacturing, agriculture, forestry, etc. Industry People People Research institutions Platforms

Source: Takeshi Kawakami, Akihisa Kuriyama, Yosuke Arino. A World of Net Zero: Japan in 2050, IGES Research Report. June 2021.

Social system integrating

mitigation & adaptation

Level of adaptation

School Students

Youth aroups etc.

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Research on Energy Poverty in Japan

Cost distribution: Equity, social inclusion and fairness

Household energy poverty rate in Japan

Region	Low income- high cost	Low energy- use
Hokkaido	16.3%	10.2%
Tohoku	14.4%	12.8%
Kanto	6%	14.1%
Hokuriku	11.8%	10.7%
Tokai	8%	12.1%
Kinki	6.8%	12.7%
Chukoku	10.4%	13.4%
Shikoku	13.7%	13.9%
Kyushu	13.1%	11.9%
Okinawa	20.6%	15.3%
Japan	10.9%	12.7%

Identified households under energy poverty



Source: Nan Wang, Just Transition and household energy poverty in Japan, 41st conference of Japan Society of Energy and Resources

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