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Clean Energy Transitions in Emerging Economies (CETEE)

Scope and Results

Dr. Paolo Frankl, Head of Renewable Energy Division, IEA – Project Coordinator

H2020 CETEE Closing Workshop
Brussels, 14 September 2022

International
Energy Agency

- Effective **knowledge and information sharing** and create capacity to **enable stronger policy action** and alignment of investment flows
- Strengthen **international energy and climate plans** in a way that complements existing initiatives, support multilateral efforts to facilitate and enable National Determined Contribution (NDC) implementation
- Encourage **innovation for the promotion of clean energy technologies** and related investments
- Enhance and build upon an existing **analytically rigorous evidence base for policy action**, via statistics, indicators, and improved capabilities for data analysis.

IEA Clean Energy Transitions Programme



H2020 Action - Clean Energy Transitions in Emerging Economies

- 33 Months
- 3,5 MEUR
- 35 staff
- 6 Working Packages
- 24 Formal Deliverables



Accelerated, secure, affordable and low-carbon energy transitions in emerging economies

Scope of work



IEA's work program for emerging economies supporting on

- Effective knowledge and information systems
- Robust international energy and climate architecture
- Training and capacity building
- Technology RDD&D and innovation



WP1

(H2020 Support Action) Project Coordination



WP2

Development of **innovative and timely indicators** of the Clean Energy Transition



WP3

Power sector analysis and recommendations for increasing shares of renewable electricity



WP6



WP4

Regulations, market design, investments and financing



General dissemination

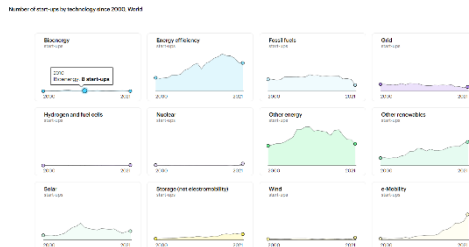


WP5

Energy innovation policies, investments and partnerships



- 24 Reports
- 19 Articles
- 2 Commentaries
- 4 databases
- Indicators portal and real-time electricity tracker
- 34 Public Events
- Dozens of meetings and closed-door workshops
- Significant dissemination of CETEE results delivered at external events.



World Energy Investment 2022



Financing clean energy transitions in emerging and developing economies



Secure Energy Transitions in the Power Sector

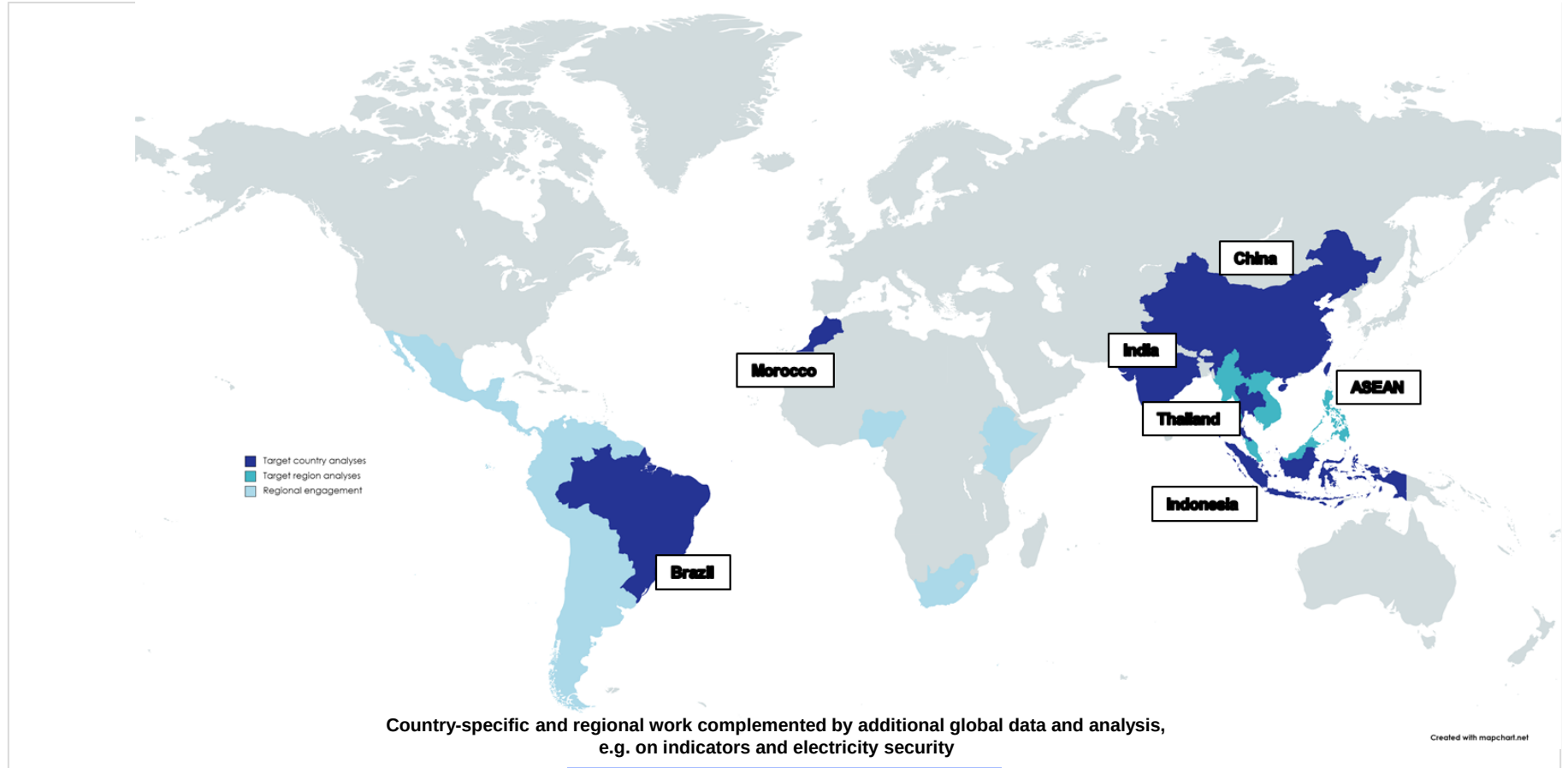


Thailand Power System Flexibility Study



Early stakeholder engagement → Country demand → Technical analyses → Targeted policy and regulatory advice → Dissemination

Geographical scope of work



China

- Work on innovation
 - Chapter in the flagship publication “An energy sector roadmap to carbon neutrality in China”
 - Workshop on innovation for carbon neutrality
 - Work on power markets, flexibility and integration of RE
 - 3 webinars on China’s Electric Power Sector Transformation.
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- **Involvement of NEA, MOST, CAS, academy and industry organisations**
 - Closed door event on **Strategic Priorities for China’s Energy Innovation in the 14FYP**

Thailand

- Study on increasing power system flexibility in Thailand and RE integration
 - Technical analysis of flexibility requirements and possibilities
 - Contractual barriers for flexibility and suggested plans of action
 - Working meetings and dissemination of results
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- Working involvement of **EGAT and MOEN**
 - Closed-door event for EGAT providing tailored recommendations and Q&A to key officials
 - EGAT Assistant Gov of Corporate Strategy thanked IEA and CETEE: **model will be used for planning in the future**

ASEAN

- Work on regional cross-border trading of power
 - Build up on existing analysis of political, technical and institutional barriers for trading

- Following up on a **request of the chair of ASEAN 2021 Brunei**, the IEA has established a cooperation track focused on multilateral power trade.
- Support to **ASEAN Energy Regulatory Network** on political and institutional topics
- Cooperation with **ASEAN Ministerial** level to enhance discussions on senior official level collaboration in the region

Africa

- Work on innovation with Morocco with a regional scope
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- **Participation of varied African countries** on workshop and discussions, e.g. Ethiopia, Kenya, Nigeria and South Africa.
 - Continued **increased participation and presence of African countries** in discussions and knowledge sharing events

The CETEE Action has supported increased knowledge sharing in priority countries/regions, and enabled evidence-driven policy actions

The IEA looks forward to continuing engagement and further advancing the objectives of this Action

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