GRID INTERCONNECTION IN S/SE ASIA THE ROLE OF A REGIONAL KNOWLEDGE EXCHANGE NETWORK

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HYDRO EMPOWERMENT NETWORK (HPNET)

WEBINAR: GRID INTERCONNECTION OF MINI-GRIDS ENERGY ACCESS PRACTITIONER NETWORK, UN FOUNDATION JULY 18, 2018

OVERVIEW

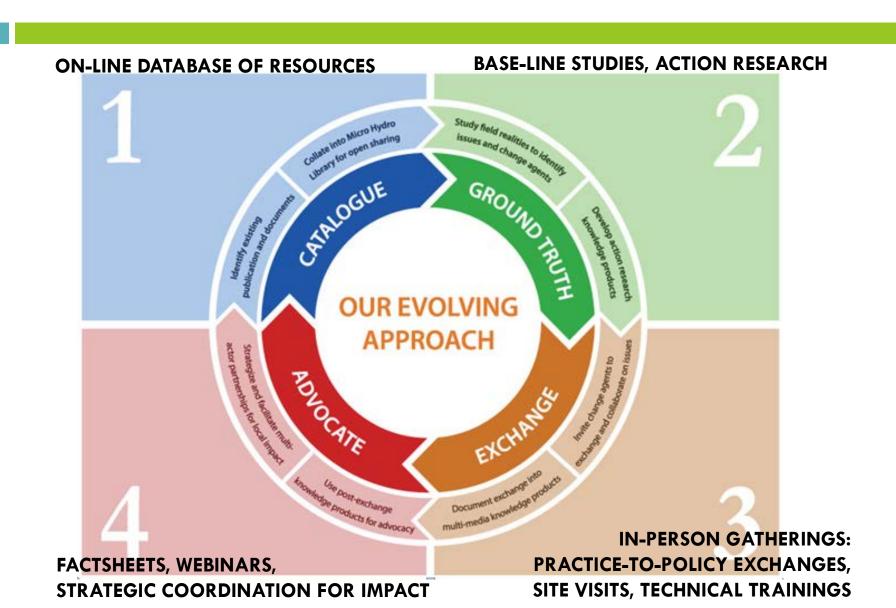
ADVANCING GRID INTERCONNECTION OF MICRO/MINI HYDROPOWER IN S/SE ASIA

☐ HPNET'S **REGIONAL** APPROACH AND RESULTS

□ COUNTRY-LEVEL IMPACT: **NEPAL** TO-DATE

☐ FOCUS AREAS: 2018 - 2019

KNOWLEDGE EXCHANGE APPROACH



2015: GROUNDTRUTHING GRID INTERCONNECTION IN S/SE ASIA

- Collation of existing knowledge products
 - India, Indonesia, Malaysia, Nepal, Pakistan, Philippines,Sri Lanka, and Thailand
 - □ List of interconnected projects
 - Indonesia and Sri Lanka
- Identify "Change Makers"
 - Proponents within the Utility, Government, Developers, and Community-Based Organizations
- Challenges and Opportunities
 - Awareness of costs, benefits, and technology
 - Reliability issues of the main grid

2016: IN-PERSON EXCHANGE, WITH FIELD VISITS AND CHANGE MAKERS







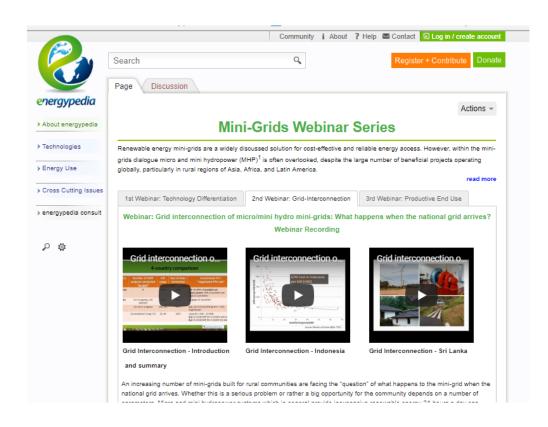






2017: POST-EVENT ADVOCACY REGIONAL KNOWLEDGE PRODUCTS

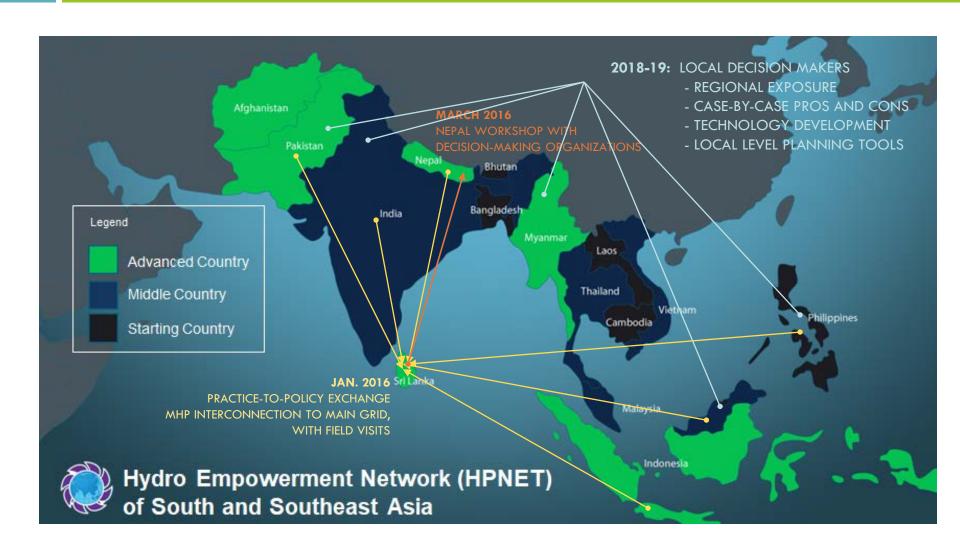
- Energypedia-HPNET-Skat Webinar
- Strategy discussions with stakeholders
- Short video
- Practice-to-research
- Factsheets
- □ Field updates



2016-18: POST-EVENT ADVOCACY NEPAL'S PATHBREAKING PROGRESS

- Decision to operationalize existing policy
 - Sri Lanka field visit
 - 2 kW MHP interconnected at low voltage
 - Strategy dialogue during Sri Lanka exchange event
- □ Nepal event: March 2016
 - Addressing the Utility's concerns
 - Written agreements among decision-makers
- □ Interconnections: 2017 2018 (20kW to 140kW)
 - 3 projects interconnected to main grid
 - 4 more interconnections in the pipeline
 - 3 project-to-project clusters

NEXT STEPS TARGET LOCAL DECISION MAKERS



LINKS TO RESOURCES

- Outputs of HPNET 2016 Practice-to-Policy
 Exchange on Grid Interconnection of Micro/Mini
 Hydropower
- □ 2017 HPNET Webinar
 - □ Indonesia and Sri Lanka contexts
- □ Frequently Asked Questions
- □ Nepal's 1st Grid Interconnected MHP
 - Blog post
 - Video

ACKNOWLEDGEMENTS

This presentation includes data, photos, and/or inspiration from:

Alternate Energy Promote Centre (AEPC), Nepal

Energy Forum, Sri Lanka











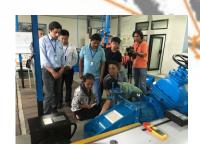














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