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

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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

ON-LINE DATABASE OF RESOURCES

BASE-LINE STUDIES, ACTION RESEARCH

FACTSHEETS, WEBINARS, STRATEGIC COORDINATION FOR IMPACT

IN-PERSON GATHERINGS: PRACTICE-TO-POLICY EXCHANGES, SITE VISITS, TECHNICAL TRAININGS
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

MARCH 2016
NEPAL WORKSHOP WITH DECISION-MAKING ORGANIZATIONS

2018-19:
- REGIONAL EXPOSURE
- CASE-BY-CASE PROS AND CONS
- TECHNOLOGY DEVELOPMENT
- LOCAL LEVEL PLANNING TOOLS

JAN. 2016
PRACTICE-TO-POLICY EXCHANGE
MHP INTERCONNECTION TO MAIN GRID,
WITH FIELD VISITS

Hydro Empowerment Network (HPNET)
of South and Southeast Asia
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
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HYDRO EMPOWERMENT NETWORK
www.hpnet.org