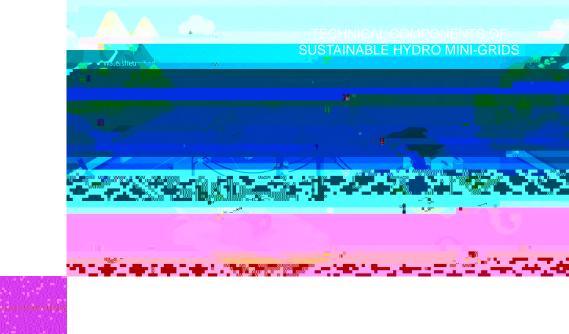


# CIRCULARITY IN HYDRO MINI-GRIDS

**ACCELERATING CLIMATE AND ECONOMIC RESILIENT ENERGY ACCESS** 

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Sustainable Water and Energy Solutions supporting Circular Economies Workshop
United Nations Water and Energy Network
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### THEMATIC ELEMENTS



#### **ASIA PACIFIC**

- Integrate <u>watershed restoration</u> into existing projects
- Transition from **grant-dependent** to **social enterprise** approaches

#### **LATIN AMERICA**

- Enable <u>access-to-finance</u> for enterprise-based approaches
   Facilitate <u>intra-regional exchange</u> for last mile energy access

#### **SUB-SAHARAN AFRICA**

- <u>Demonstrate</u> financial <u>viability</u> of community-scale hydropower
- Conduct Asia-Africa knowledge exchange for civil society, entrepreneurs, government, funders, & associations



# CIRCULARITY IN HYDRO MINI-GRIDS: OPPORTUNITIES



# **SCALING UP FOR 2030 UNIVERSAL ACCESS**

## **CHALLENGES**

Mini-grids synonymous to PV-battery – Lack of technology differentiation Financiers require scaleable project pipelines for implementation – Lack of feasibilities study, local capacity building / mentorship, and aggregation of viable projects Multi-thematic resource mapping – Lack of identifying low hanging fruit, i.e. sub-regions with appropriate hydro resource, local capacities, and agri end use

## **SOLUTIONS**

INCLUSION OF LOCAL-MOST PRACTITIONERS SUSTAINABILITY & ACCELERATION