

7th July | 12:30 - 13:30 (CET)

SMALL HYDROPOWER

Opportunities for electricity access & energy transition



LIVE | SIDE EVENT

JOIN US

Dear Partners, Dear Colleagues!

We are happy to invite you to attend our side event on “**Small hydropower: opportunities for electricity access and energy transition in the developing world**”, organized within the framework of the 2021 Vienna Energy Forum.

ORGANIZERS: The United Nations Industrial Development Organization (UNIDO) and International Center on Small Hydro Power (ICSHP).

WHEN: 7th July 2021, 12:30-13:30 (CEST)

FORMAT: Presentations followed by a Panel discussion

IN FOCUS: Renowned international experts will discuss global opportunities and strategies for small hydropower within the context of the Fourth Industrial Revolution. UNIDO, which has been working in the field of Small Hydro Power for more than 20 years, will present its experiences and achievements.

Questions to be addressed:

- What are the advantages and drawbacks of the small hydropower for developing countries?
- Which lessons and successful strategies can be derived from UNIDO's past experiences?
- How can modern technologies help to achieve electricity access and energy transition in the developing world?

AGENDA

Time (CEST)	Speaker	Titles	Topics
12:30 - 12:35	Mr. Anton-Louis OLIVIER	Moderator , CEO of the REH Group	Opening, scene-setting, introduction of the panellists
12:35 - 13:05	Mr. Heng LIU	Senior Technical Advisor, UNIDO	Introductory remarks on UNIDO activities in the SHP field & way forward
	Ms. Oxana LOPATINA	Senior programme officer at the International Center on Small Hydro Power	Findings of the 2019 World Small Hydropower Development Report (WSHPDR) and opportunities for electricity access and energy transition in the developing world
	Mr. Arun KUMAR	Professor at the department of Hydro and Renewable Energy (HRED) of Indian Institute of Technology, Roorkee	Introduction to the Technical Guidelines of Small Hydropower. How can they help to enhance electricity access in the developing world?
13:05 - 13:25	The Panel		Challenges and opportunities of digitalization in the conservative SHP industry. How can modern technologies help to achieve electricity access and energy transition in the developing world?
13:25 - 13:30	Mr. Anton-Louis OLIVIER	Moderator	Questions from the audience. Open discussion
			Final summary/wrap-up

BACKGROUND INFORMATION

Small Hydropower (SHP) technology provides access to clean and cost-efficient energy; it helps reduce CO₂ emissions and achieve greater energy independence while improving living standards of local communities.

SHPs are beneficial for industry as well as for small and mid-size enterprises (SMEs) because of higher electricity production capacity and longer expected lifetime. They create opportunities for SMEs' development and economic leap-frogging. For remote rural areas, SHPs can serve as the primary energy source and provide grid stability for isolated grid solutions.

UNIDO WORK

Small hydropower is an integral part of a broader UNIDO strategy towards inclusive and sustainable industrial development and the transition to a clean energy future.

UNIDO has a longstanding track record and vast expertise in the area of small hydropower. For over 20 years, and with the support of an extensive network of international experts, UNIDO provides sound technical advice and knowledge on SHP development and solutions.

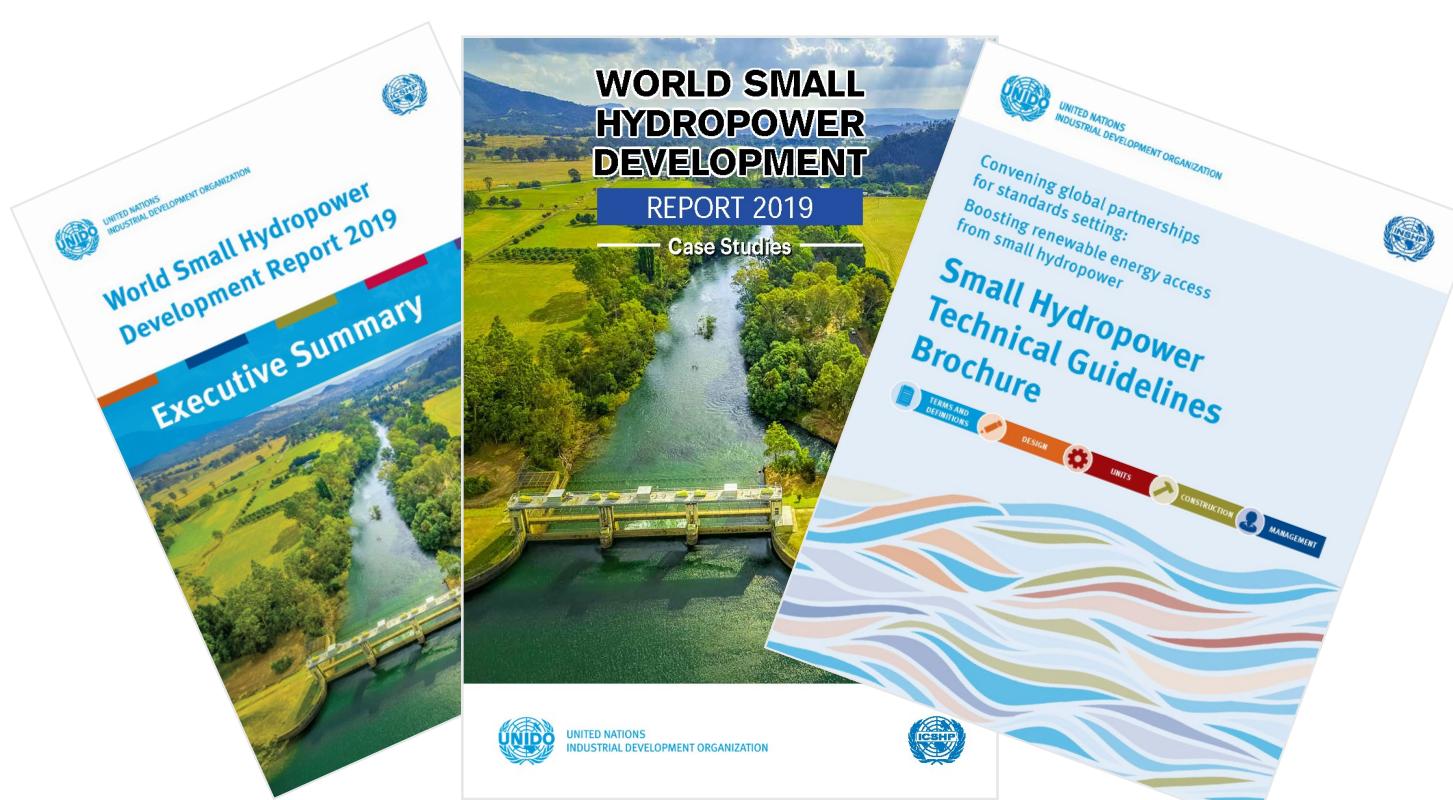
UNIDO's latest achievements:

1. Small Hydropower Technical Guidelines

Through global expert cooperation and based on previous successful experiences, UNIDO developed the Small Hydropower Technical Guidelines (SHP/TGs). The Guidelines provide exceptional technical support for multiple disciplines in the stages of site selection, planning, pre-feasibility study, feasibility study, construction, installation, operation and management.

2. World Small Hydropower Development Reports

The World Small Hydropower Development Reports (WSHPDRs) result from a comprehensive collaborative effort between UNIDO, the International Center on Small Hydro Power (China) and over 200 local and regional partners (including small hydropower experts, organizations, engineers, academics and ministries across the globe). The WSHPDRs provide baseline information, successful experiences and a strategic outlook for countries to develop their renewable energy plans.



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