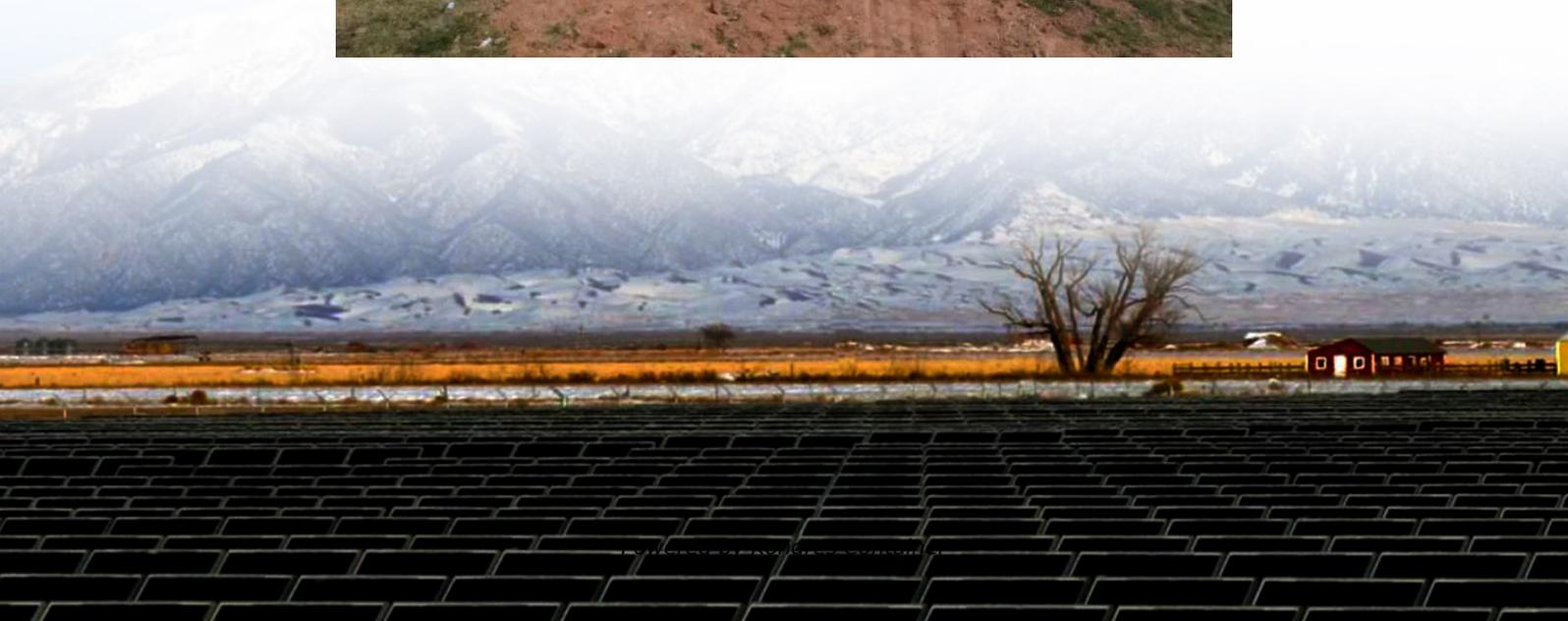


## Kongres Container

# Generation of electricity from overseas power stations



## Overview

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What are China's overseas power stations?

In this paper, China's overseas power stations are defined as power stations built in countries other than China with the strong participation of Chinese companies. For example, Chinese enterprises may have played an important role in engineering procurement construction (EPC), investment, or equipment supply.

Do China's overseas power stations affect developing countries?

China has become a major investor and constructor of electrical power plants in developing countries. However, the impacts of China's overseas power stations (COPSs) on the developing countries hosting them are poorly understood. Here, a novel method is proposed to evaluate the influence of COPSs in 80 host countries.

Do Chinese overseas power stations predict electricity demand?

Chinese overseas power stations represent major investments in their host countries and the exclusion of related data causes significant analytical uncertainty. However, recent research on national electricity consumption and electricity demand prediction has focused on the development of complex models.

What is the basis of power station investment?

Timely and accurate power data, such as those relating to investment and power demand, are the basis of power station investment. Chinese overseas power stations represent major investments in their host countries and the exclusion of related data causes significant analytical uncertainty.

Which country has the greatest power generation capacity?

China has the world's greatest electricity generation capacity. It has much experience and technology related to the construction and operation of

hydropower, coal, solar, wind, and other types of power stations (Tang et al. 2019 ).

Which countries have a higher power generation rate compared to other countries?

Similar drivers contributed to raise power generation in India (+4%). As well, power generation increased in Brazil (+6%), Russia (+2%) and South Africa (+5%, over improved availability of coal-fired power plants).

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