



DENMARK IN CHINA Ministry of Foreign Affairs of Denmark



# **China's Electric Power Sector Transformation**

## 3<sup>rd</sup> Webinar

Wednesday 21 September 2022, 15:00 - 17:30 Beijing time / 09:00 - 11:30 CEST

Working language: Chinese and English, simultaneous interpretation

International Energy Agency





Danish Energy

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#### Context

Following the success of the previous webinars in 2020 (<u>link to 1<sup>st</sup> webinar</u>) and 2021 (<u>link to 2<sup>nd</sup> webinar</u>), this is the 3<sup>rd</sup> webinar in the China's electric power sector transformation webinar series cohosted by the IEA, the China Electric Power Planning & Engineering Institute (EPPEI), the Royal Danish Embassy in Beijing and Danish Energy Agency (DEA) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, with support from the European Commission.

The main objective of the webinar series is to provide targeted audiences with insights into China's electric power sector transition by exploring pathways and solutions that have triggered interest and debate in the energy sector in China recently. The webinar intends to throw light by introducing successful cases and lessons learned internationally with input from international and Chinese experts.

The focus of this 3<sup>rd</sup> webinar is on options to make efficient use of the technologies and assets deployed across the Chinese power system, and in promoting investments into clean resources that support the electricity security. Of particular importance is the recent guidance to move towards a unified system of power markets, expressed through the <u>Opinions of the Central Committee of the Communist Party and</u> <u>State Council</u> in March, and later reinforced by the <u>State Council's high-level document</u> in April.

The webinar is articulated around the following high-level questions:

- What are the key components of electricity security throughout the transition, amid the growing uncertainties on international markets?
- How is flexibility ensured in a system with a high share of variable renewables, like wind and solar power?
- How will power markets enable a secure, clean energy transition?
- What are the options for implementing a unified system of power markets?
- How is carbon pricing supporting a secure, clean energy transition?

#### International Energy Agency

The IEA's role as a [co-]organiser of this event is facilitated through IEA's Clean Energy Transitions in Emerging Economies programme, which has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952363.





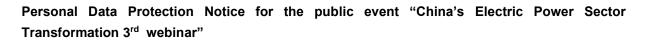


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### Agenda

	Moderator: Jacques Warichet, Power System Transformation Analyst, IEA
15:00 / 09:00 CEST	<ul> <li>Opening remarks</li> <li>Thomas Østrup Møller, Ambassador of Denmark to China, Danish Embassy in Beijing</li> <li>Xu Xin, Division Director of Department of Legislative Affairs and Energy Sector</li> </ul>
	Restructuring, National Energy Administration (NEA)
45.00/	Jiang Shihong, Vice President, EPPEI
15:20 / 09:20 CEST	<ul> <li>Session 1: "Components of a Clean Energy Transition in China"</li> <li>Taking stock of the latest policy developments in China's power sector Fang Xiaosong, Director of International Department, EPPEI</li> <li>An overview of the significant policies updates which took place or were announced that change the Chinese power sector landscape.</li> </ul>
	Power markets and energy security
	Anders Hove, GIZ
	How electric power markets can work to ensure energy security for China, based on the German experience
	Flexibility throughout the clean energy transitions     Kia Marie Jerichau, Director, Ancillary Services, Energinet
	An overview of how flexibility is provided today and tomorrow in systems with high shares of VRE to ensure electricity security
	Emissions Trading System (ETS) and power markets reform     David Fischer, Energy Analyst, IEA
	How an enhanced ETS for the power sector can promote efficiency and resilience of the power system, while accelerating the clean energy transition
	Moderator: Sune Kåre Sørensen, Climate and Energy Attaché, Danish Embassy in Beijing
16:25 / 10:25 CEST	Session 2: Moderated panel "How will a unified system of power markets contribute to clean, secure and affordable electricity?"
	Zhang Jingjie, Division Director, Development Planning Department, China Electricity Council
	Yan Qin, Lead Carbon Analyst, Refinitiv
	Chen Zheng, Director, Institute of Energy Strategy and Policy, China Southern Grid Energy Development Research Institute
	Peter-Philipp Schierhorn, Senior Electrical Engineer, Energynautics
	Alejandro Hernandez, Head of Renewable Integration and Secure Electricity     Unit, IEA
	<u>Moderator:</u> Kaare Sandholt, International Chief Expert, China Energy Transition Programme, Energy Research Institute of Academy of Macroeconomic Research
17:20 /	Wrap up and closing remarks
11:20 CEST	Jens Hein, Senior Advisor and Head of China Section, DEA
	Cesar Alejandro Hernandez, Head of Renewable Integration and Secure Electricity Unit, IEA
17:30 / 11:30 CEST	End of the webinar



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