

# China's Electric Power Sector Transformation

## 2<sup>nd</sup> Webinar

Thursday 15 April 2021, 15:00 – 17:30 Beijing time / 09:00 – 11:30 CEST

Working language: Chinese and English, simultaneous interpretation

International  
Energy Agency

## Context

This is a 2<sup>nd</sup> webinar in the China's electricity power sector transformation webinar series co-hosted by the IEA, the China Electric Power Planning & Engineering Institute (EPPEI), the Royal Danish Embassy in Beijing and Danish Energy Agency (DEA) with support from China National Energy Administration (NEA), the French Development Agency (AFD) and the European Commission.

The main objective of this webinar to provide targeted audiences with insights into China's electric power sector transition both in the near future (14th Five-year) and in the medium & long run. The focus of this webinar is on cutting-edge energy technologies and deployment options that have received tremendous interest and debate in the energy sector in China including:

- Digitalisation and smart grids;
- Battery storage;
- Distributed energy resources;
- Green hydrogen; and
- Sector coupling and electrification.

This webinar is intended to throw light by introducing successful cases and lessons learned internationally with input from international and Chinese experts. The discussion will touch on technical advancement, potential application, project configuration principles, and business mode innovation for cutting-edge technologies in the power sector, and highlighting the critical role of supporting policy and regulatory aspect for bolstering the clean energy transitions in China towards carbon neutrality by 2060.

## Agenda

15:00 /09:00 CEST	<p><b>Opening remarks</b></p> <ul style="list-style-type: none"> <li>• <b>LIU Mingyang</b>, Division Director, Electric Power Department, NEA</li> <li>• <b>Thomas Østrup Møller</b>, Ambassador of Denmark to China, Danish Embassy in Beijing</li> <li>• <b>AN Fengquan</b>, Senior Advisor, IEA</li> </ul>
15:10 /09:10 CEST	<p><b>Future power grid development to facilitate RE integration in China</b> The development of RE in China and the efforts to facilitate RE integration including future power grid development</p> <ul style="list-style-type: none"> <li>• <b>WANG Caixia</b>, Expert, State Grid Energy Research Institute (SGERI)</li> </ul> <p><b>China's energy storage technology and application progress</b> Development status quo, business models, policies and future development</p> <ul style="list-style-type: none"> <li>• <b>CHEN Haisheng</b>, Deputy Director, Chinese Academy of Sciences</li> </ul> <p><u>Moderator:</u> Peerapat Vithayasrichareon, Energy Analyst, IEA</p>
15:50 /09:50 CEST	<p><b>Green Hydrogen – Key challenges and perspectives from Denmark</b></p> <ul style="list-style-type: none"> <li>• <b>Gregers Larsen</b>, Advisor, Danish Energy Agency (DEA)</li> </ul> <p><b>Beneficial electrification – Sector integration</b> Guiding principles and practice of electrifying individual and collective heating and cooling, transport</p> <ul style="list-style-type: none"> <li>• <b>Bram Claeys</b>, Senior Advisor, The Regulatory Assistance Project</li> </ul> <p><b>Smart power system - Harnessing distributed energy resources</b> The role of distributed energy resources, especially demand-response, in future energy system, and appropriate supporting policies</p> <ul style="list-style-type: none"> <li>• <b>Pauline Henriot</b>, Energy Analyst, Energy Efficiency Division, IEA</li> </ul> <p><u>Moderator:</u> Sune Kåre Sørensen, Climate and Energy Attaché, Danish Embassy in Beijing</p>
16:50 /10:50 CEST	<p><b>Moderated panel discussion and questions</b></p> <ul style="list-style-type: none"> <li>• <b>JIANG Liping</b>, Vice President, State Grid Energy Research Institute (SGERI)</li> <li>• <b>CHEN Haisheng</b>, Deputy Director, Chinese Academy of Sciences</li> <li>• <b>Cesar Alejandro Hernandez</b>, Head of Renewable Integration and Secure Electricity Unit, IEA</li> <li>• <b>Pablo Hevia-Koch</b>, Team Leader, Danish Energy Agency (DEA)</li> <li>• <b>Bram Claeys</b>, Senior Advisor, The Regulatory Assistance Project (RAP)</li> </ul> <p><u>Moderator:</u> Kaare Sandholt, Chief International Expert, Center for Renewable Energy Development, Energy Research Institute of NDRC</p>
17:25 /11:25 CEST	<p><b>Wrap up and closing remarks</b></p> <ul style="list-style-type: none"> <li>• <b>Aurélie Sol</b>, Energy Project Manager, French Development Agency (AFD)</li> <li>• <b>Cesar Alejandro Hernandez</b>, Head of Renewable Integration and Secure Electricity Unit, IEA</li> </ul>
17:30 /11:30 CEST	<p>End of the webinar</p>