

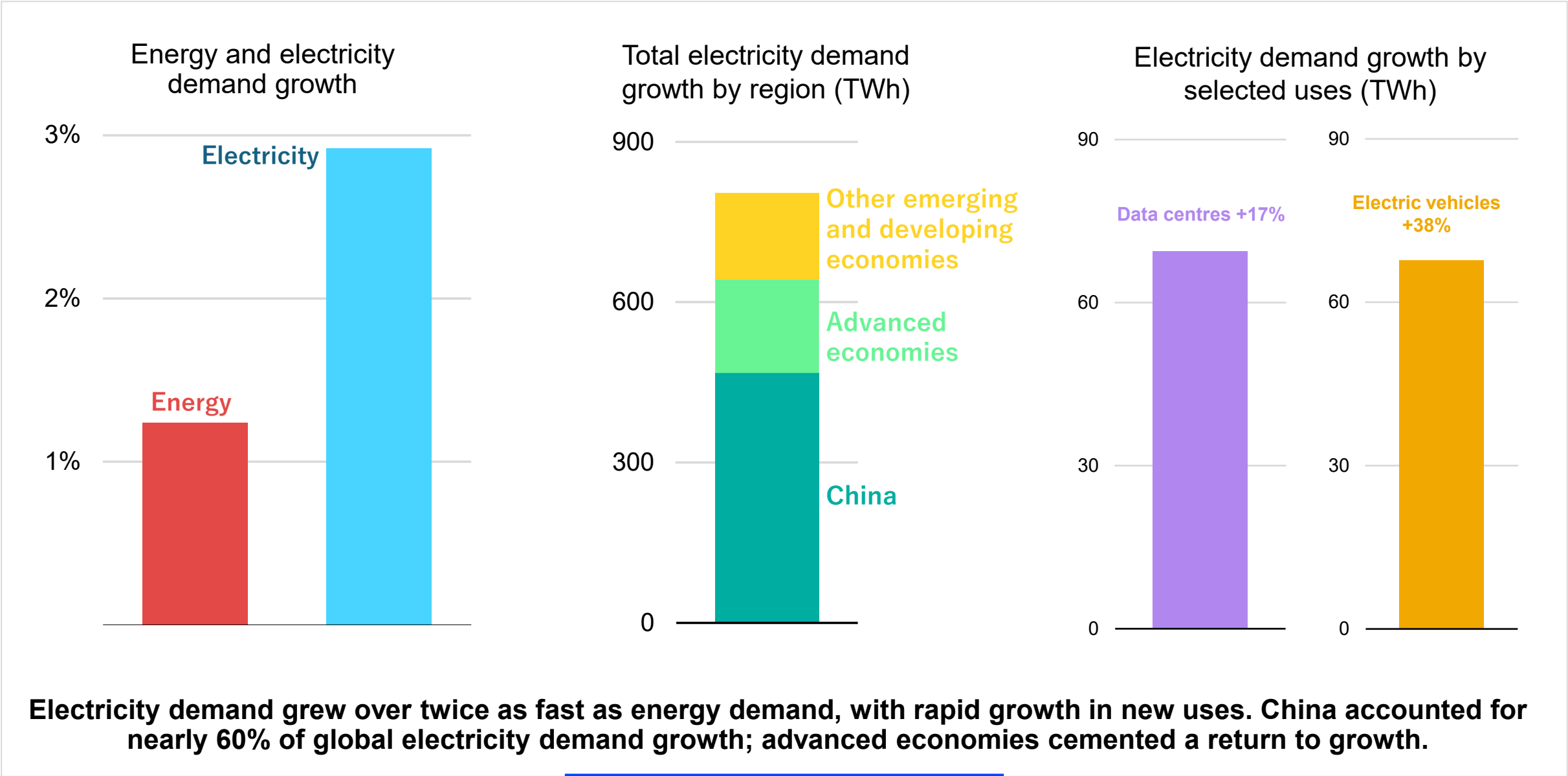
# ICEF Plenary 2

Global partnerships and practical solutions for  
secure, flexible and resilient power systems

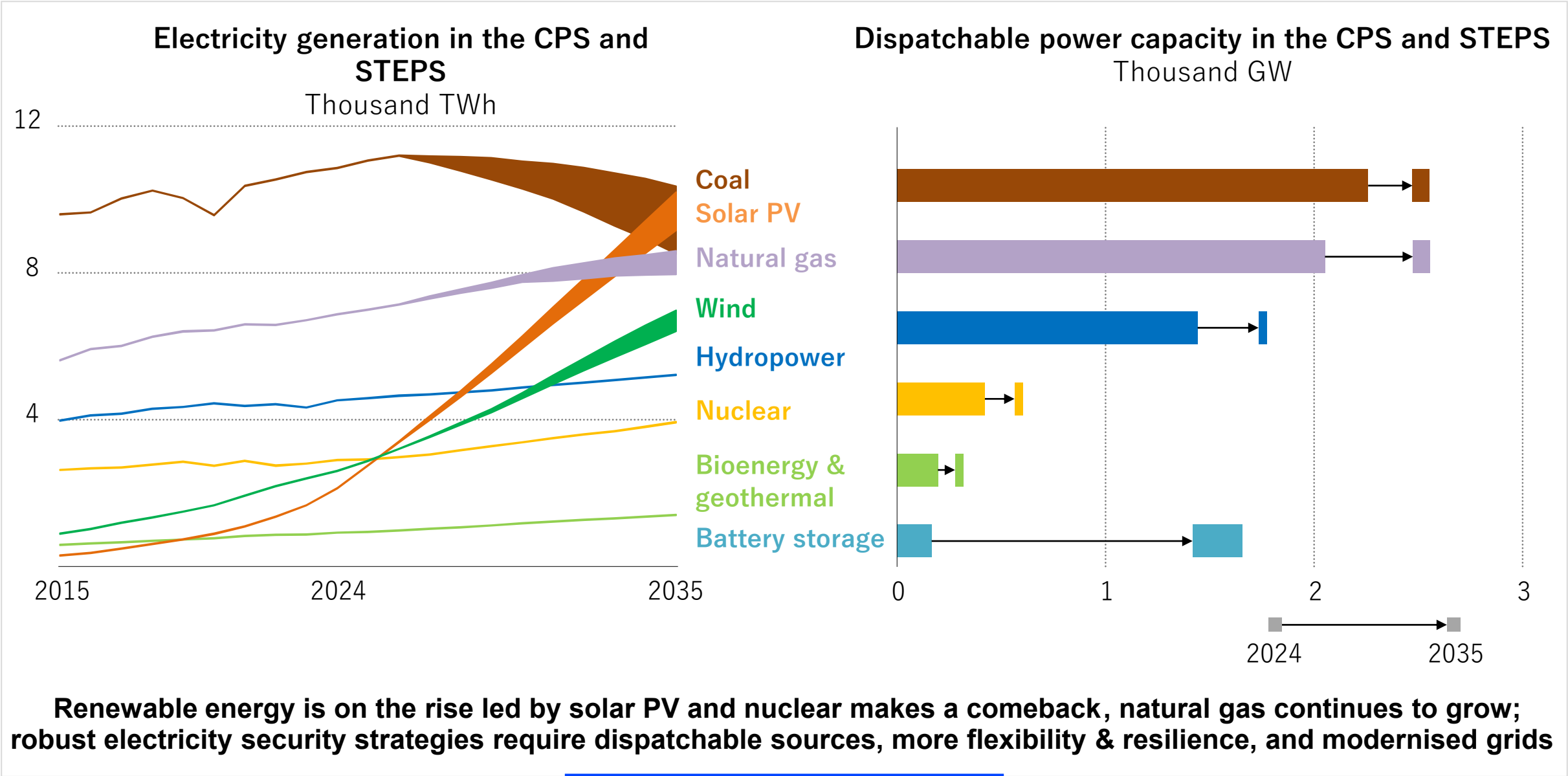
Keisuke SADAMORI,

8 October, 2026

# 2025 data confirms the Age of Electricity



# Changing power systems are reshaping electricity security



CPS: Current Policies Scenario, STEPS: Stated Policies Scenario

# Electricity systems are under increasing stress to operate safely

The risk landscape is expanding...

## Operational risks

- Reduced inertia and system stability
- Growing flexibility needs

## Infrastructure risks

- Ageing networks
- Grid bottlenecks

## Strategic risks

- Cyber and physical attacks
- Geopolitical tensions

## Climate risks

- Heatwaves, storms, wildfires, droughts

... and is reflected in the occurrences of disruptions

## Climate-related

*storms*: Gorette 2026, Eunice 2022; *heatwaves*: Balkan states 2024, Mexico 2024, California 2020; *winter storms* Texas 2021; *wildfires*: California 2024, Canada 2023

## War in Ukraine

Since 2022

**First-of-a-kind blackout in the Iberian Peninsula,**  
April 2025

**Cyber attack in Poland,**  
Decembre 2025

**Arson attack in Berlin, Germany,**  
3 January 2026

**Drone attack on data centres in GCC area,**  
3 March 2026

**Risk to electricity security have always existed but are expanding while occurrences of major disruption is growing quickly. Managing operations, infrastructure and improving resilience to risks is now of the utmost importance.**