“We aim to have CO₂ emissions peak before 2030 and achieve carbon neutrality before 2060”

President Xi Jinping on 22 September 2020
No official long-term scenarios but research institutes and universities have a tradition for preparing energy system scenarios.
Energy system scenarios have different roles before and after the decision on carbon neutrality goals.
Before: Is the visions and targets possible?

Vision driven – focus on end-goals and backtracking
- The scenarios shall make the visions concrete and feasible

Details gives credibility
- The scenarios shall illustrate the details in the energy system operation
- Results should be easy to explain (bottom-up modelling)

Avoid too much reliance on unproven technology
After: the target are set – then what?

More focus on implementation

- How to support transformation and avoid making the wrong decisions
- Focus on just transition (employment and resource shifts, distribution effects, energy access and affordability)

Detailed roadmaps based on comprehensive scenarios

- Regional analyses and special roadmaps for coal phase-out, RE deployment, energy efficiency etc.

Scenarios should showcase different pathways and strategic choices
Next steps for China

• 14-5 plan on Energy
• Peak before 2030 plan
• Medium and long-term transformation pathways in collaboration with international organisations and other front-runner countries

• Building upon comprehensive and consistent energy system scenarios