

What does a energy balance tell us?

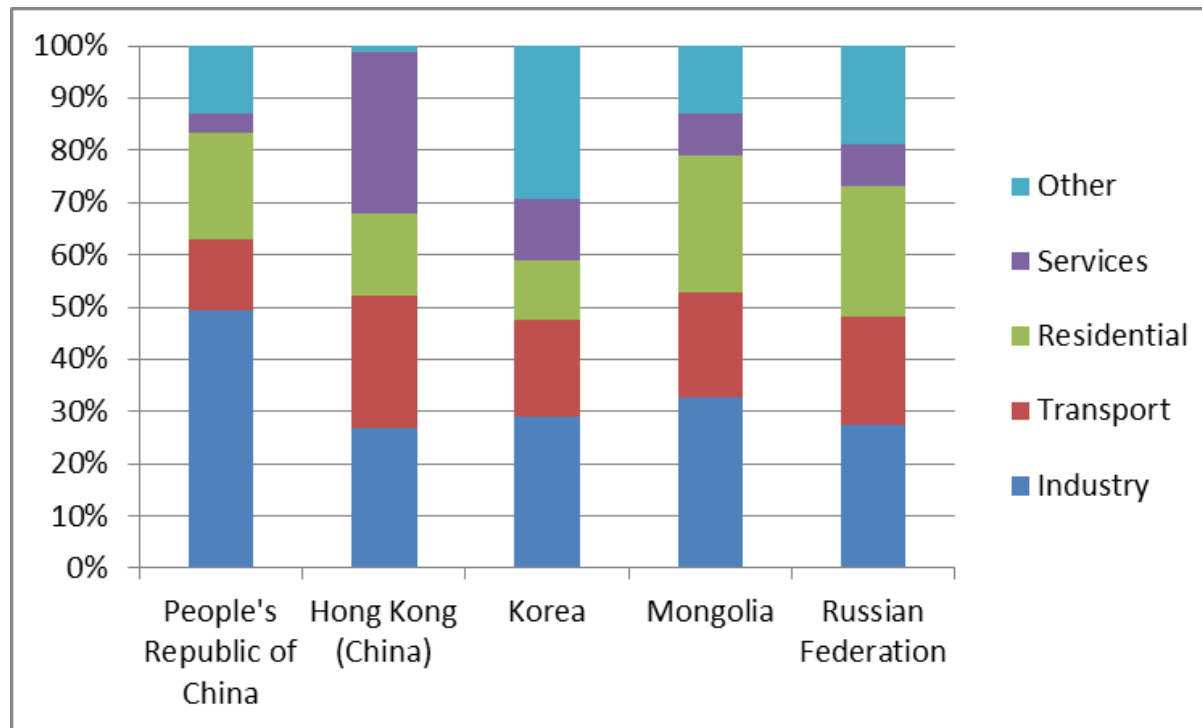
Group discussion

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Examples of key questions addressed by the energy balance

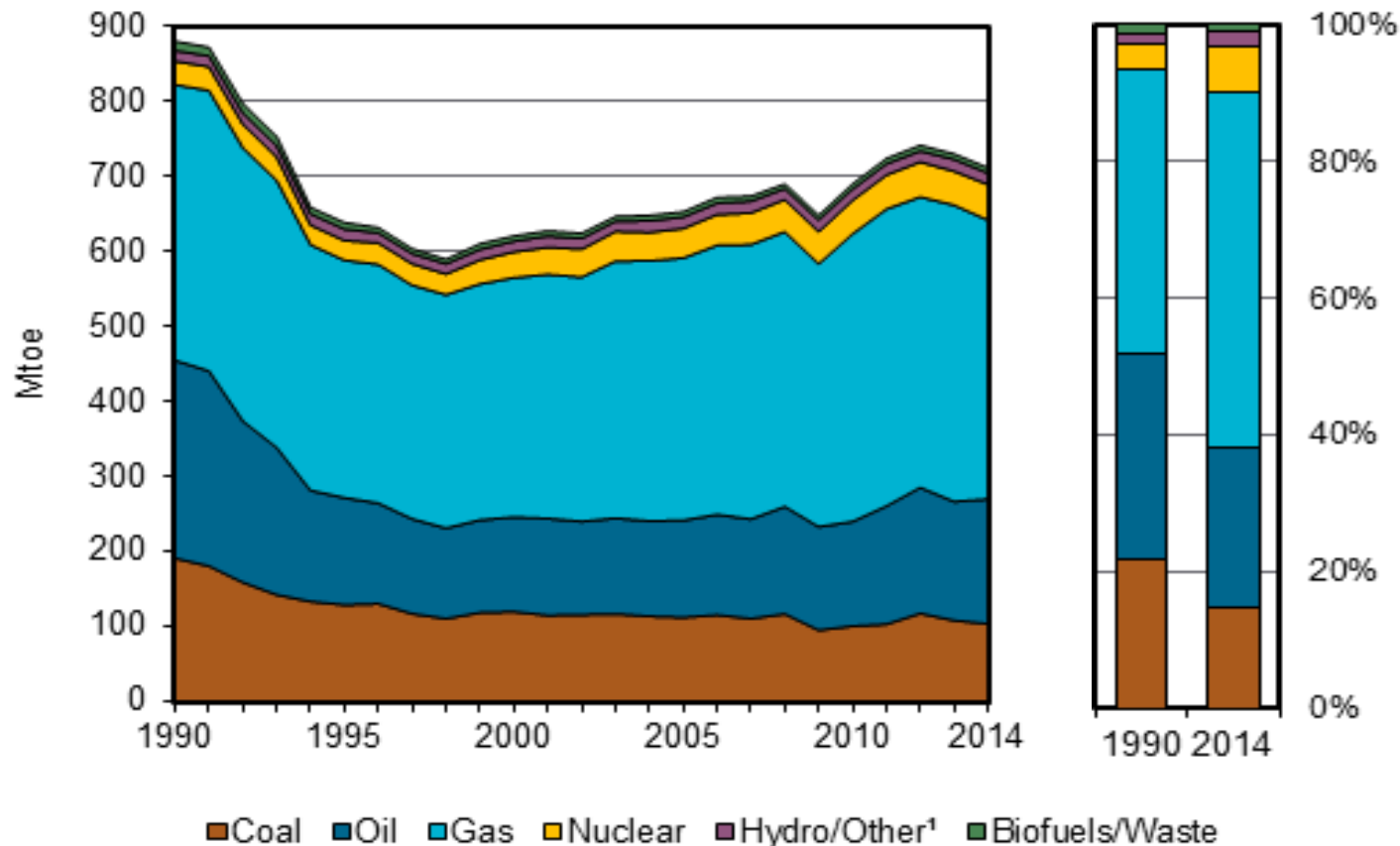
What drives energy demand in the country?

Shares of sectors in total final consumption (TFC)



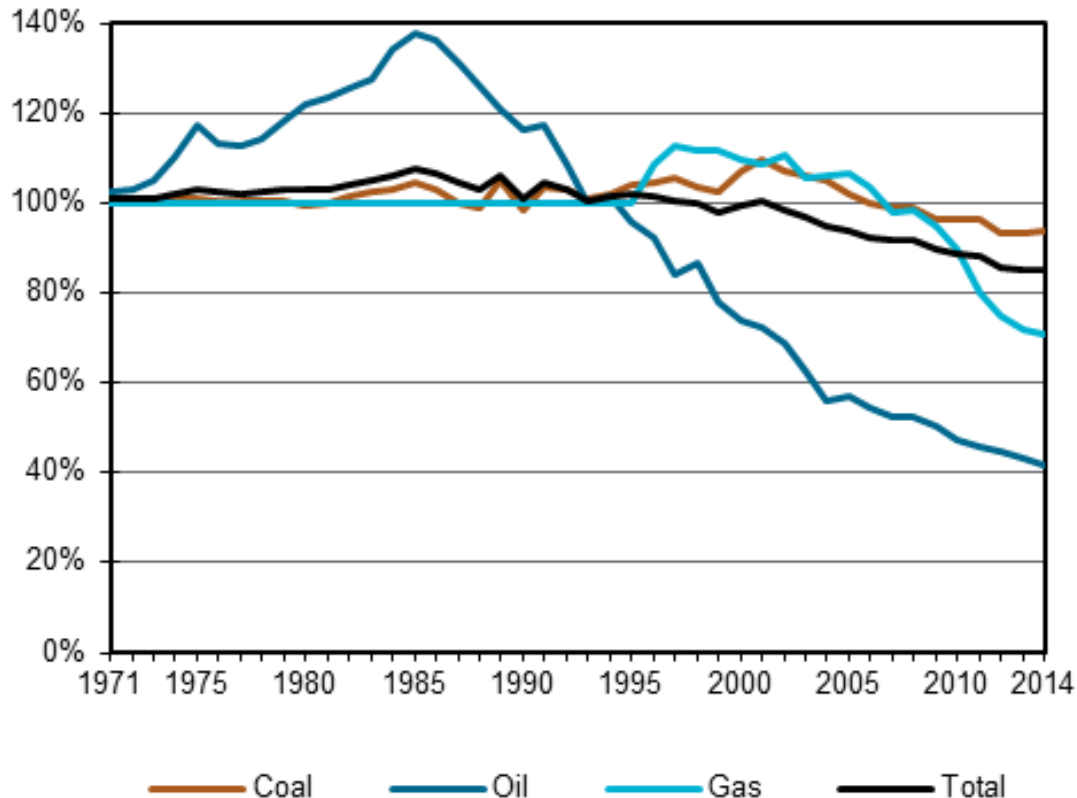
What is the energy mix?

Total Primary Energy Supply (TPES) by source



Is the country self-sufficient?

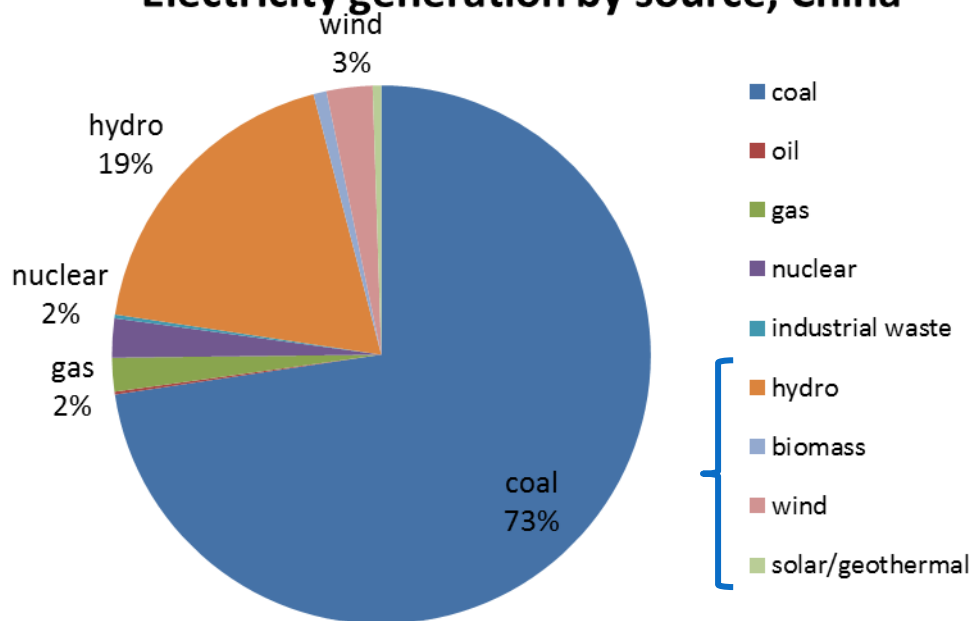
Self-sufficiency: energy production/supply



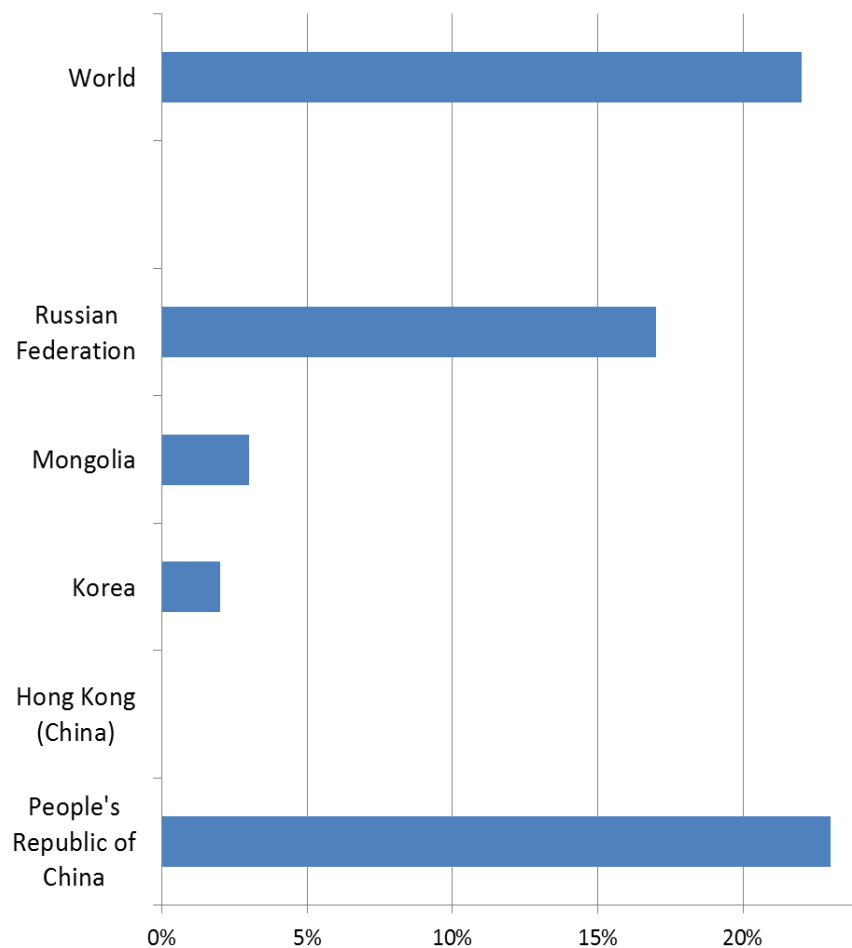
Self-sufficiency: Production divided by TPES. 100% represents full self-sufficiency.

What is the share of renewable electricity?

Electricity generation by source, China

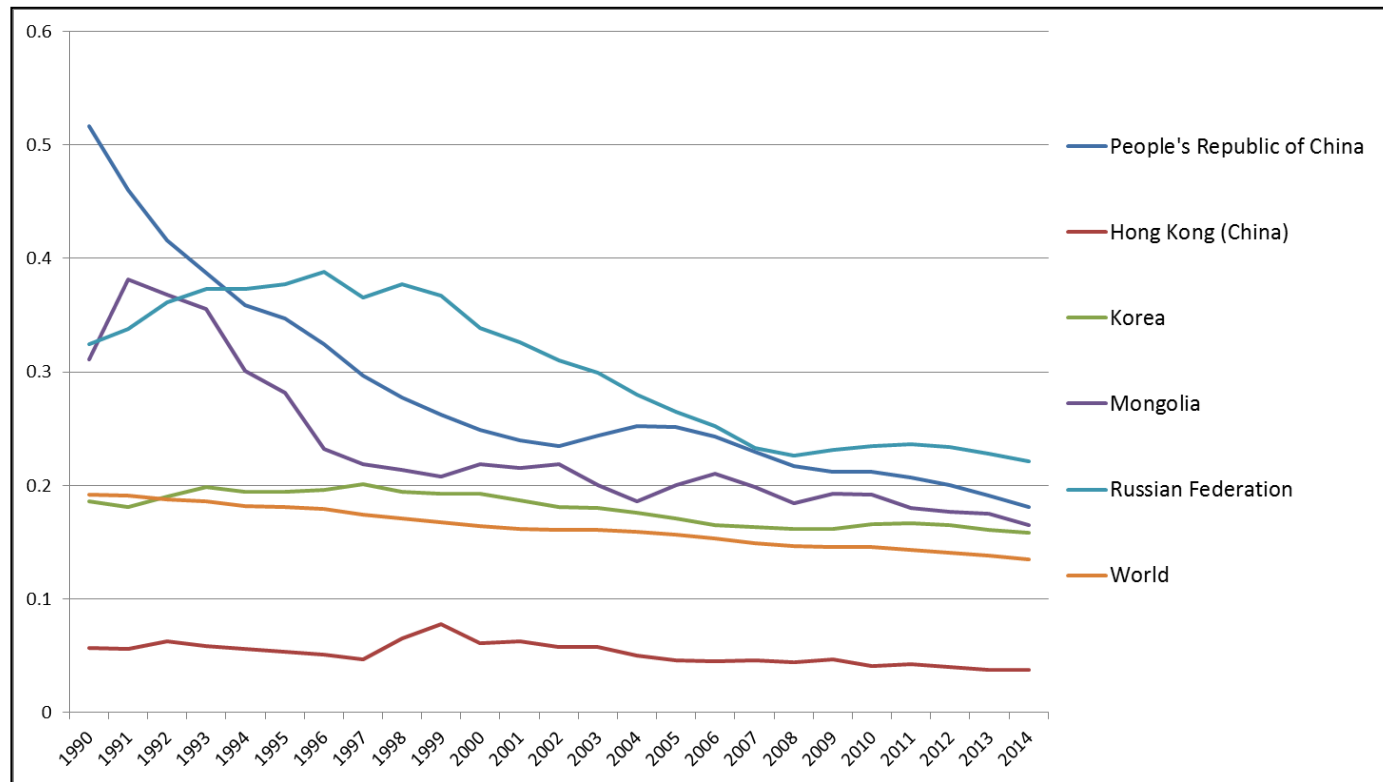


Share of renewable electricity, 2014



How are trends of energy intensity?

Energy intensity: TPES/GDP



(toe per thousand 2010 USD PPP)

Does the energy intensity measure energy efficiency?

Questions on the balance sheets

- Is the country energy producer? If so, of what?
- How are trends of energy supply?
- What is the largest energy source used?
- Is the country self-sufficient? What products does it import (export)?
- What are the sources of electricity generation?
- What is the largest sector in final consumption?

- What country is it?

	Largest sector	Self-sufficient?	Net Import	Net Export	Energy mix	Country
1	Industry	no	Oil, coal, gas	no	Coal, oil, gas, nuclear	
2	industry	no	Oil, gas; recently coal	no	Mainly coal; oil and others	
3	Industry/ residential	yes	no	Oil, gas, coal	Mainly gas; oil and coal	
4	Industry/ residential	yes	oil	coal	Mainly coal; oil	
5	Industry/ residential/ commercial	no	Coal, oil, gas	no	Mainly oil; coal and gas; nuclear decrease	
6	commercial	no	all	no	Mainly coal; oil and gas	

	Largest sector	Self-sufficient?	Net Import	Net Export	Energy mix	Country
1	Industry	no	Oil, coal, gas	no	Coal, oil, gas, nuclear	Korea
2	industry	no	Oil, gas; recently coal	no	Mainly coal; oil and others	China
3	Industry/ residential	yes	no	Oil, gas, coal	Mainly gas; oil and coal	Russia
4	Industry/ residential	yes	oil	coal	Mainly coal; oil	Mongolia
5	Industry/ residential/ commercial	no	Coal, oil, gas	no	Mainly oil; coal and gas; nuclear decrease	Japan
6	commercial	no	all	no	Mainly coal; oil and gas	Hong Kong