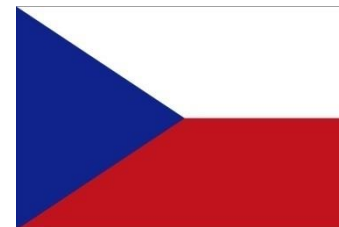


Coal in the Czech Republic



A case study on the importance of coal
for the Czech Republic

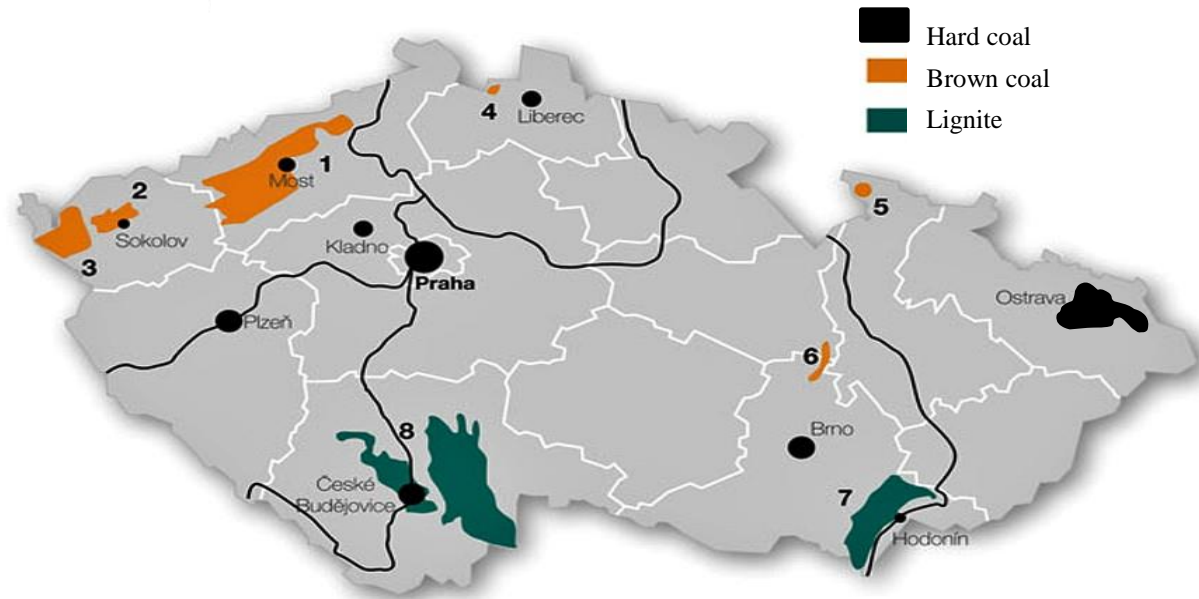


Dr Renata Eisenvortová

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European Affairs Manager, Severní energetická a.s.

4th European Coal Days, Brussels, 14 November 2013

Coal deposits and production



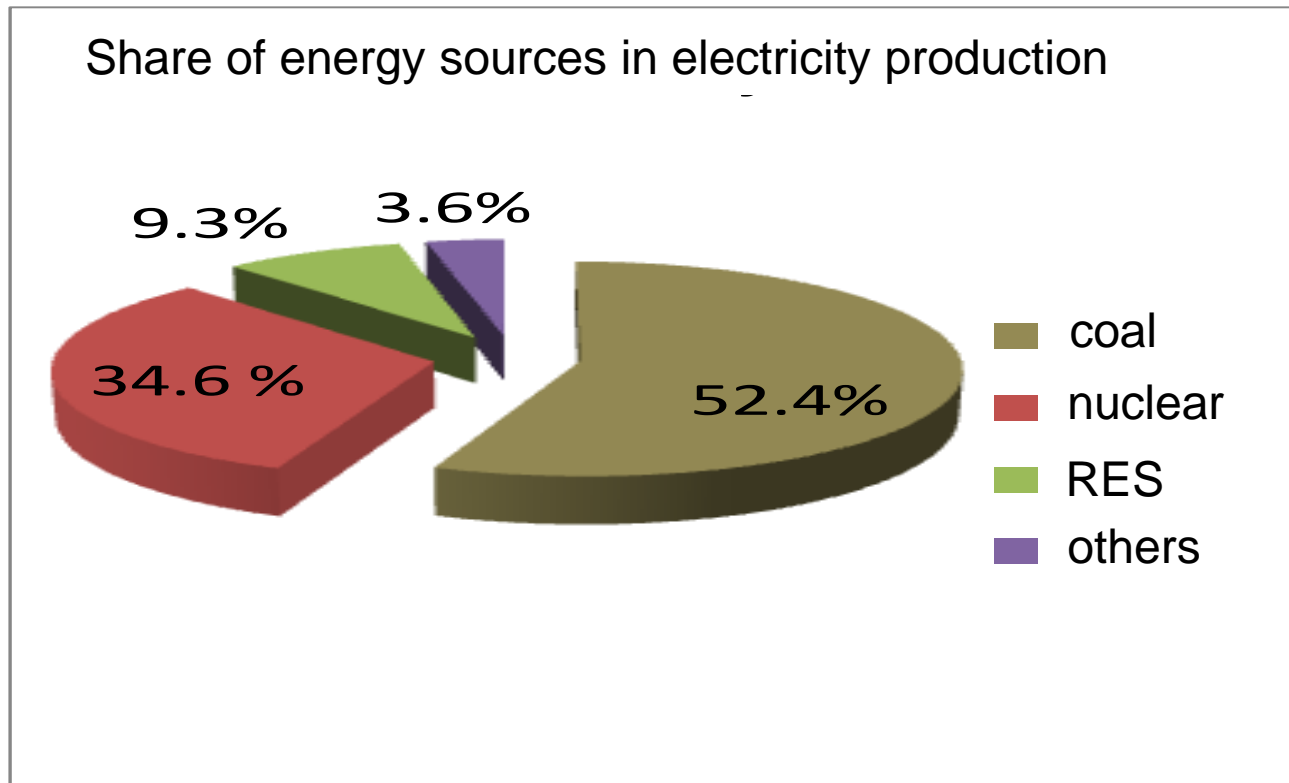
Active mining

Brown coal in north-western Bohemia: 44.5 Mt

Hard coal in northern Moravia around Ostrava: 11.2 Mt

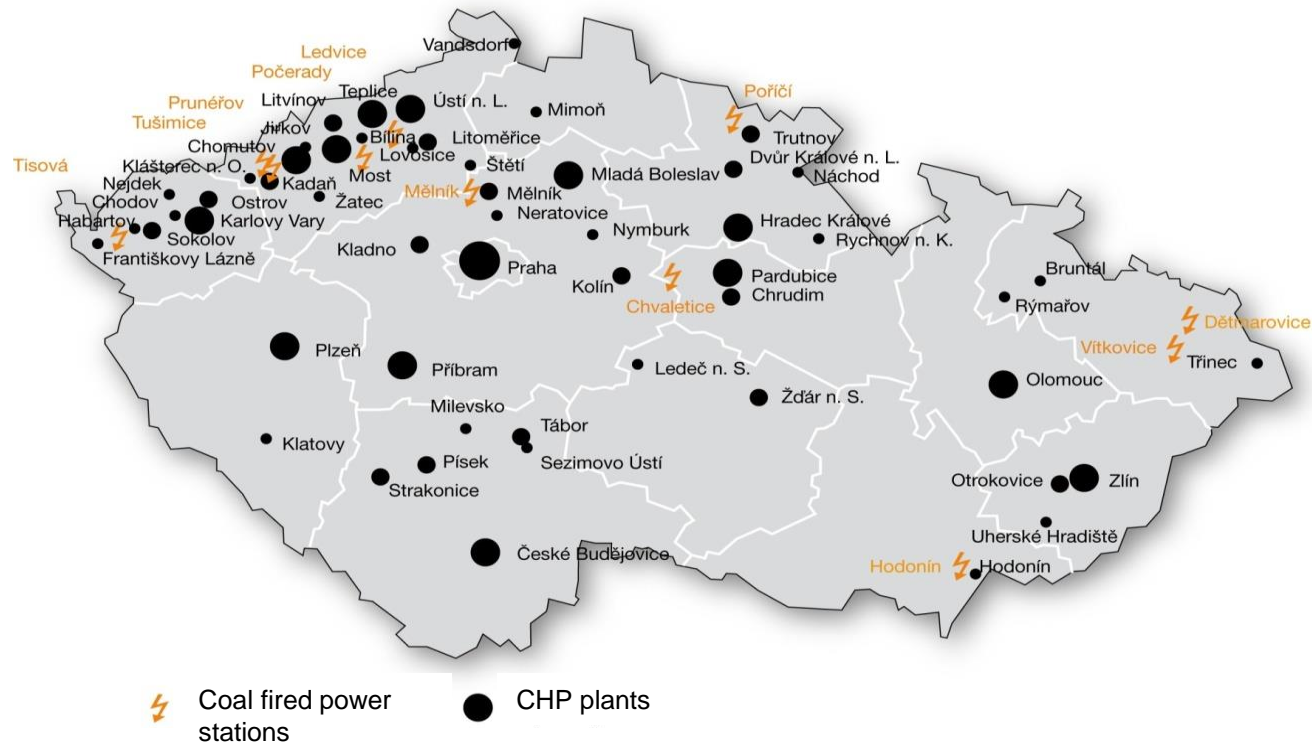
Coal is the most important indigenous resource in the Czech Republic.

Share of coal in Czech electricity production



**Coal is Number One
in electricity production in the Czech Republic.**

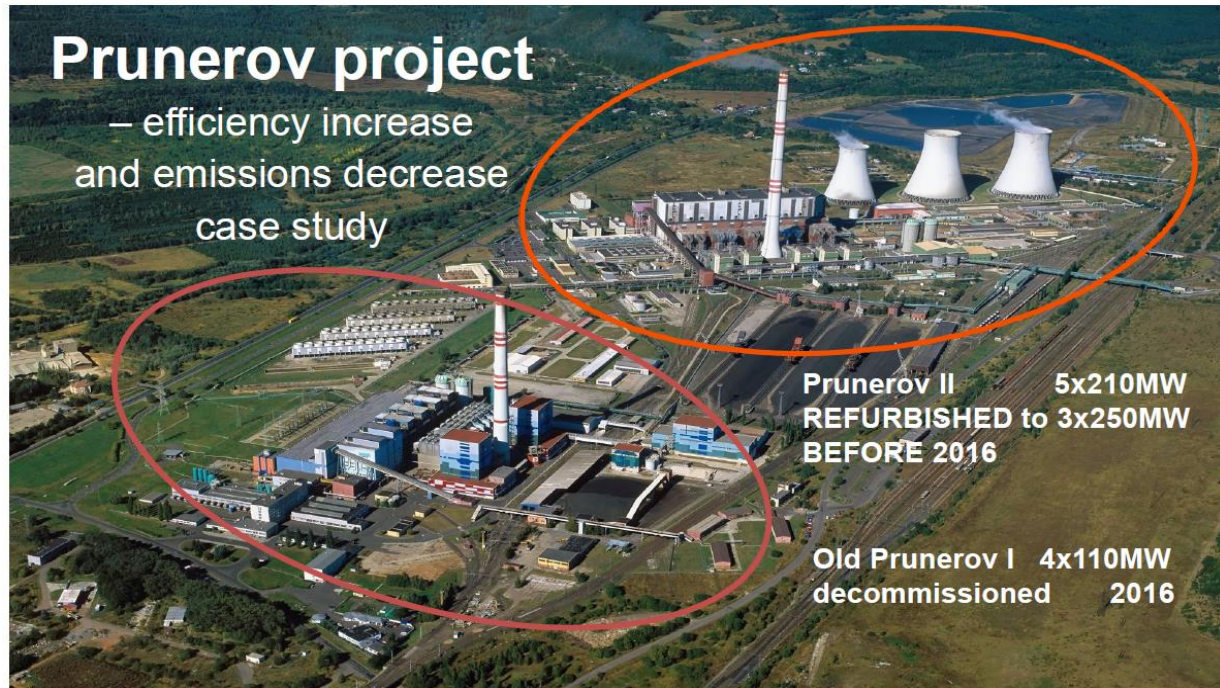
Use of coal in electricity and heat production



Coal is used for electricity and heat production throughout the country.

Efficient use of coal – modernisation of coal-fired power stations

Prunéřov Power Station



Result of the project:
Efficiency has been improved from 32.8% to 40%, CO₂ emissions have been reduced by 41%, lifetime has been extended by 25 years.

Efficient coal use – industrial emissions directive

Počerady Power Station 5x200 MW



Denoxing: 60%

**The first two units until 2015, two units until 2019,
and the fifth unit will be decommissioned.**

Efficient coal use – a new power station

Construction of a new 660 MW unit at the Ledvice brown coal power station
(efficiency 42.5%, commissioning 2014)



Highly efficient and flexible power stations consume less coal, release less CO₂ emissions and provide back-up for intermittent renewables.

Importance of coal for the Czech Republic

- Coal is the **only significant indigenous energy resource**
- Brown coal **reserves will be available for more than 100 years**
- More than **52% of electricity is produced** from coal
- **One million households receive heat from coal**
- **Low import dependence – 25%**
(also because of the use of indigenous coal)
- Coal companies are **important employers**
(often monopoly employers in the region)
- Coal companies contribute to the **development of coal regions**
(concession fees and royalties, support for education, health and sport)
- **Coal and environmental protection need not be enemies**
(ecological extraction and use of coal, back up for intermittent renewables, rehabilitation, landscaping and land use after mining)

Coal is a gift. We have to know how to use it.



Thank you for your attention and time



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