

EURACOAL

European Association
for Coal and Lignite



COAL: fuel for the 21st century

St. Barbara's Day 2014
Press Club Brussels Europe

4 December 2014

Nigel YAXLEY, Vice President

St. Barbara's Day – Brussels

Fuelling competitiveness, growth & jobs in the 21st century

EURACOAL Vice President, Mr. Nigel Yaxley
cordially invites you to the launch of

Coal: fuel for the 21st century

and cartoons by Kim Duchateau
who will be present for autographs
&

Poland in the 2030 climate and energy package

Mr. Ryszard Pazdan
Shadow Minister for Environment
Business Centre Club, Warsaw

Press Club Brussels Europe, 95 rue Froissart, 1040
Brussels

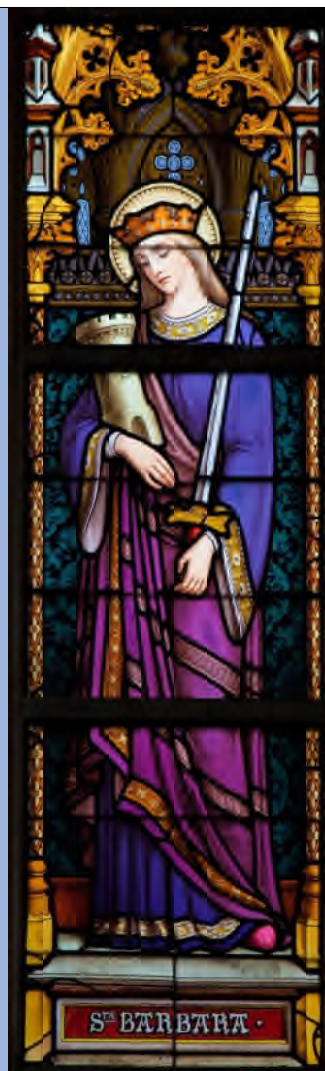
Speeches 14.00-15.00

Buffet lunch from 13.00

RSVP: euracoal@euracoal.org

Polish beer & sausages after

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4th December 2014

41% of the world's electricity comes from coal



Coal is also important for:

- steel making
- district heating and industrial combined heat & power (CHP)
- small- and medium-size enterprises, e.g. food processing companies
- residential heating

photo courtesy of the American Coalition for Clean Coal Electricity

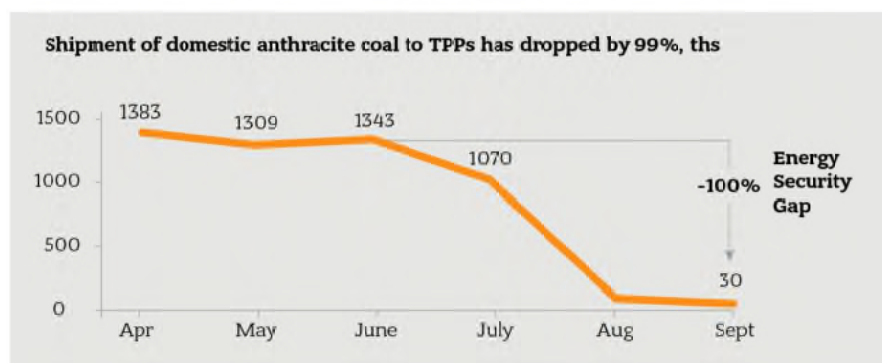
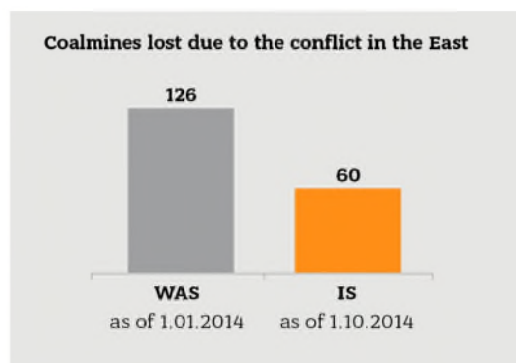
27% of the EU's electricity comes from coal with 24/7 reliability.

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What happened in Ukraine in 2014?

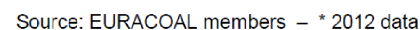


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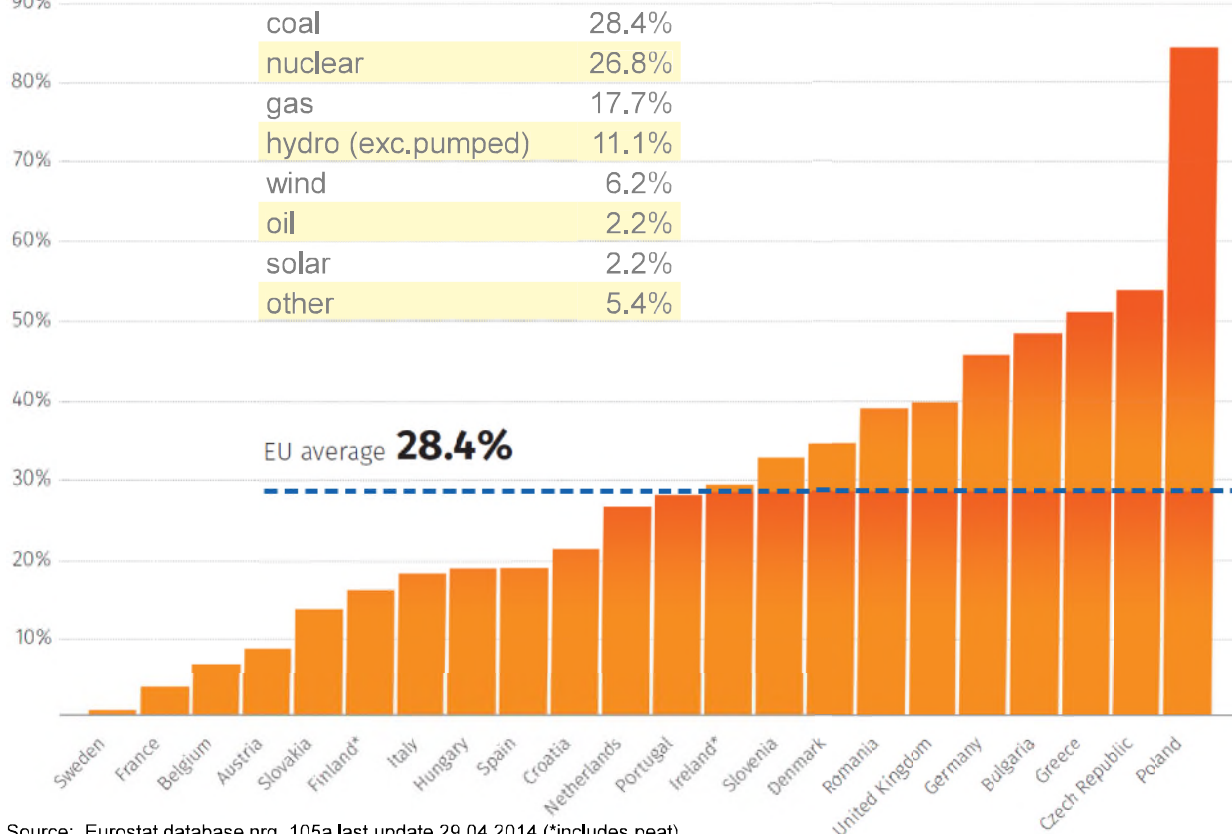
lignite production, hard coal production & imports

REFERENCES



Note: bars show million tonnes of coal equivalent (Mtce) while figures at top of bars show millions of physical tonnes (Mt)

60%



Source: Eurostat database nrg_105a last update 29.04.2014 (*includes peat)

2030 proposals – some good points, some bad

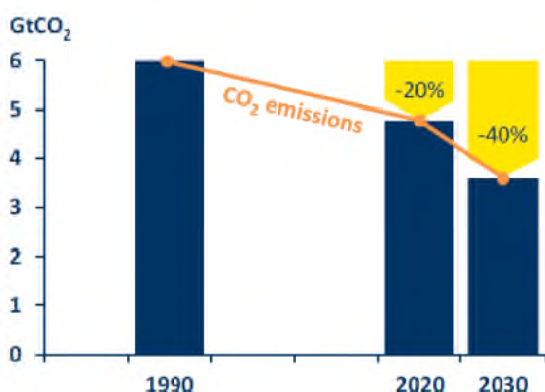
1. A 40% GHG reduction target c.f. 1990 with no further “conditional” targets offered at international negotiations ✗
2. A 27% EU-wide binding target for renewable energy in final energy consumption ✗
3. ETS allowance cap to shrink by 2.2% each year from 2021 (c.f. 1.74% now) ✗
4. A new market stability reserve for the ETS from 2021 (Phase IV) ?
5. Carbon leakage protection to continue ✓
6. Indicators for energy price competitiveness and energy security ✓

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EU 2030 climate targets: why less can be more...

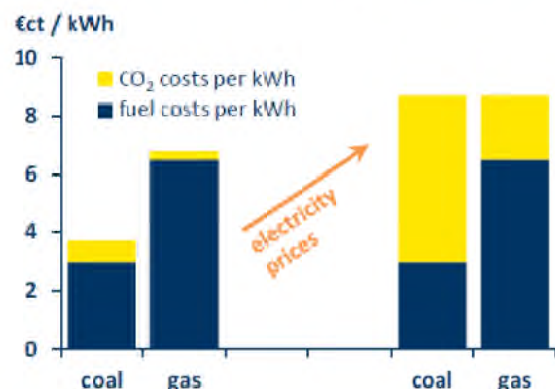
Reducing GHG emissions 3x faster, with no international agreement?



The coal industry asks that any 2030 target must be realistic and only decided after the 2015 climate summit in Paris.

If a 2030 target is not part of a binding international agreement, it would mean higher energy prices and less competitive industry in Europe.

At what cost? Fuel switching to expensive gas, driven by a >€50/tCO₂ carbon price!



To balance renewable power, coal-fired power plants are equally as flexible as gas, but coal can do the job more cheaply and more securely.

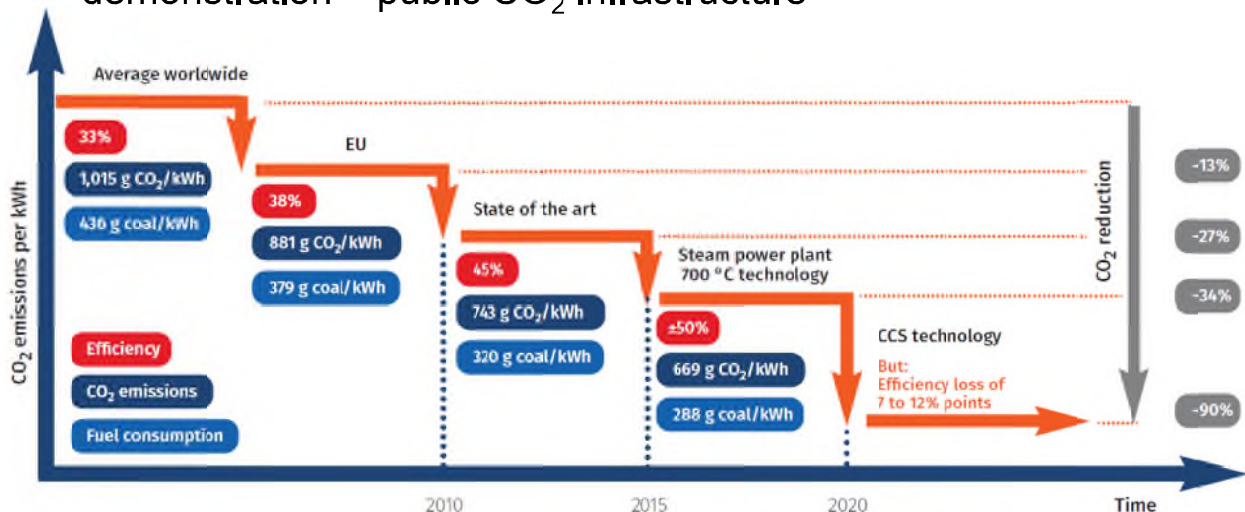
Marrying the use of coal with climate policy means improving efficiency at older coal power plants: CO₂ emissions can be reduced by 30% or more.

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EURACOAL 3-step clean coal strategy

- TODAY: modernise and replace old power plants
- TOMORROW: R&D for high efficiency and flexibility at new plants
- DAY AFTER TOMORROW: CO₂ capture and storage demonstration + public CO₂ infrastructure

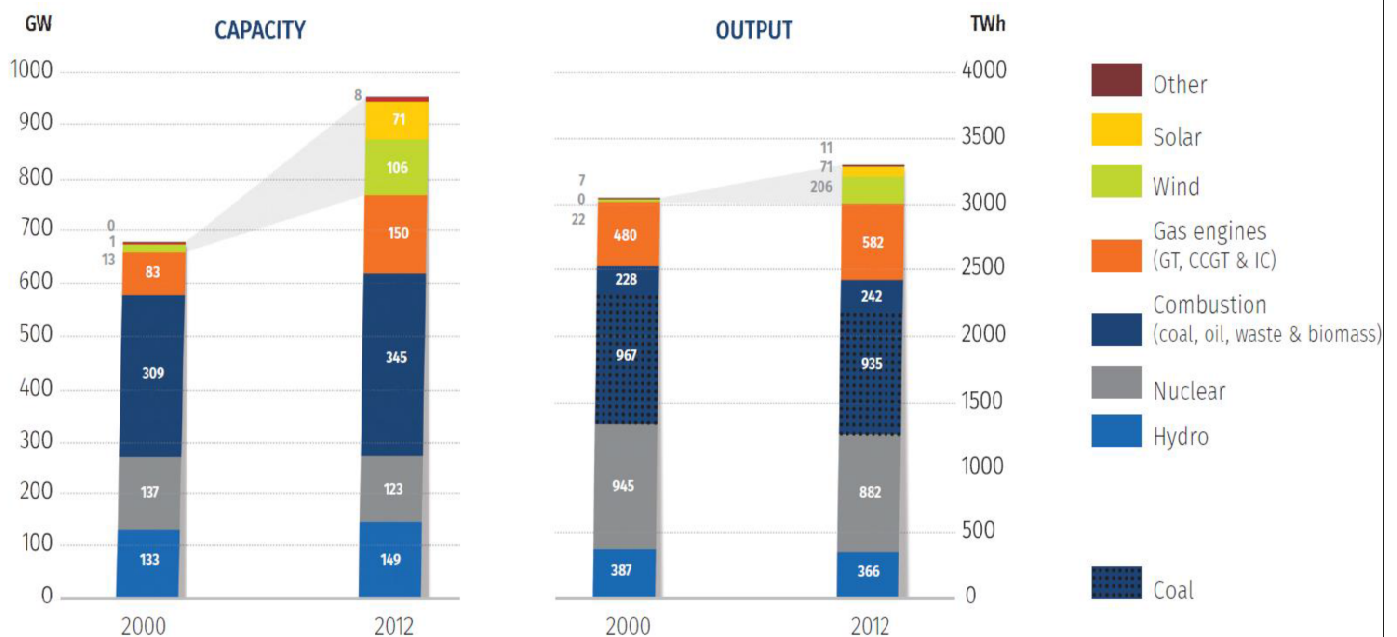


A pragmatic 3-step strategy for a cleaner more prosperous future.

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EU response: renewables and efficiency

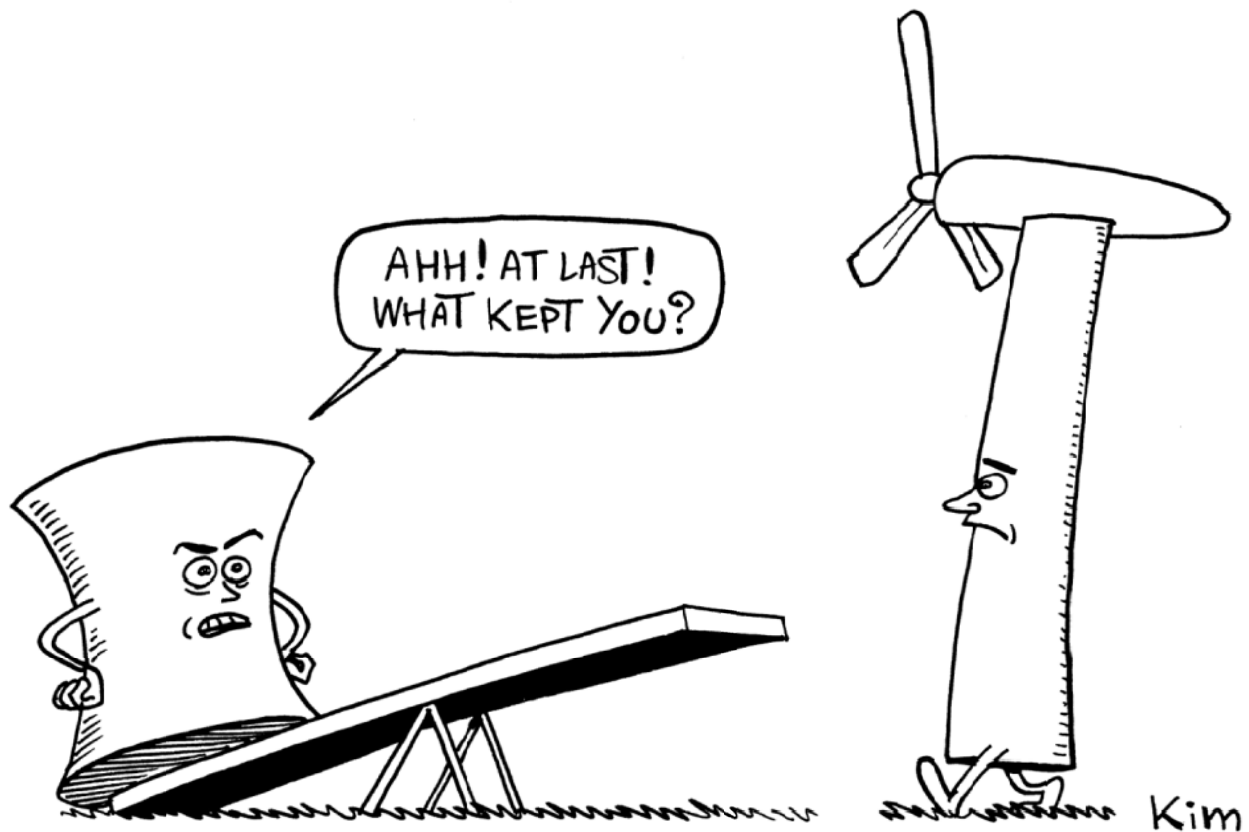


Since 2000, big growth in capacity, not matched by output.

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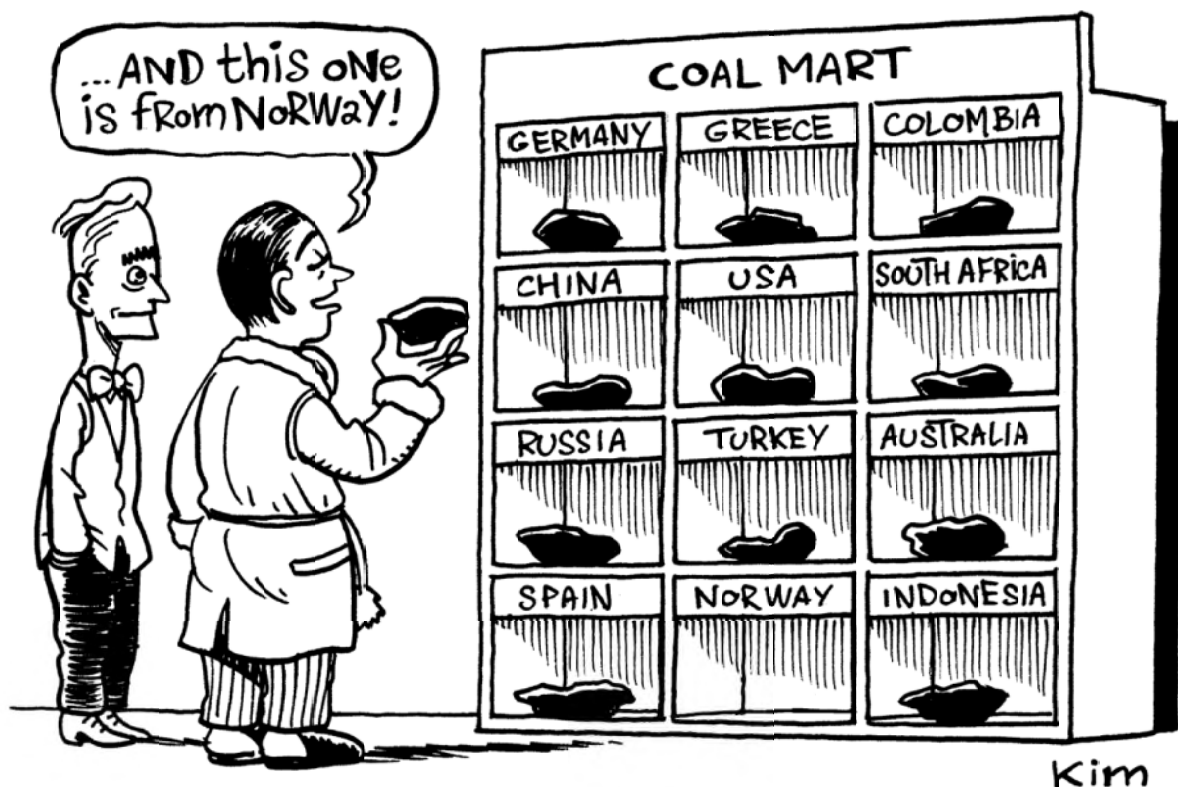
Brussels, 2015 – Coal balances renewables!



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Brussels, 2015 – Coal is widely available from over 40 countries!

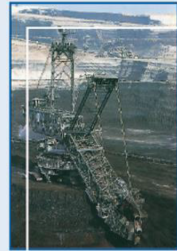


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Thank you!



Nigel YAXLEY, Vice President
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