



E3G

Accelerating coal phase out: UK context and international perspective

Dr Matthew Webb

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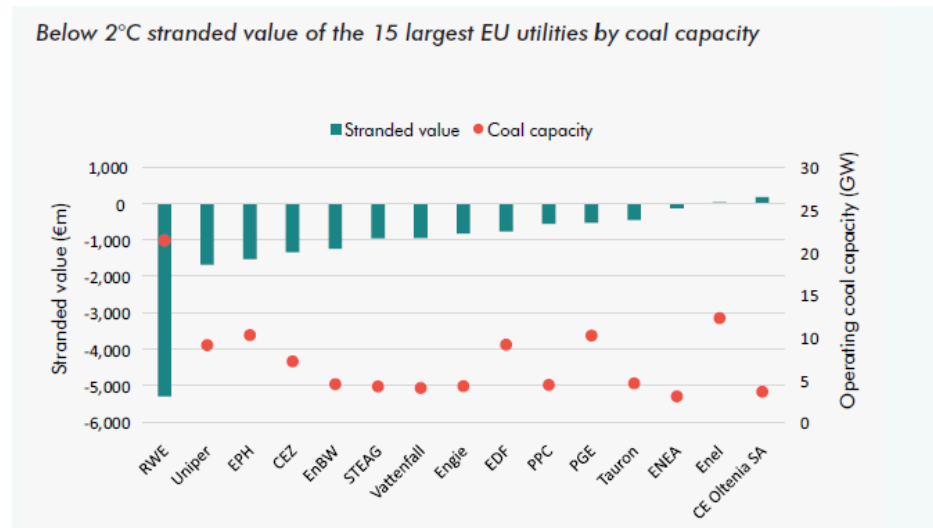
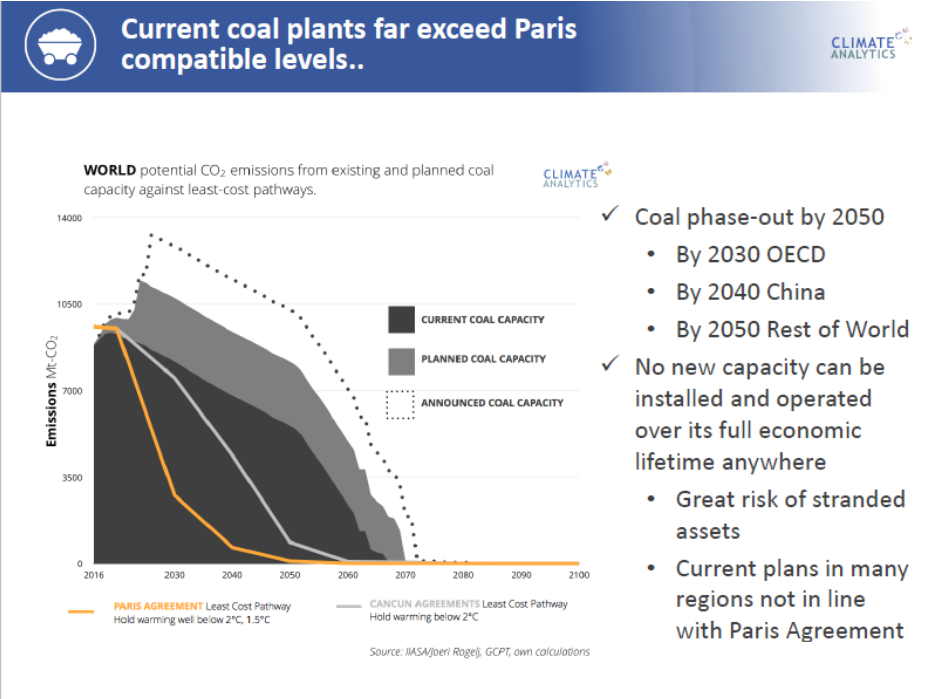
Tokyo – May 2018

About E3G



- E3G is an independent not for profit think-tank with offices in London, Brussels, Berlin and Washington DC, working to accelerate the low carbon transition
- Close engagement with the UK policy transition from the risk of new coal plant (~15GW+ including Kingsnorth c.2008) to coal phase out policy (2018)
- E3G focuses on fostering and supporting leadership by progressive Governments to accelerate the global transition from coal

Why coal matters – climate risk and economic risk



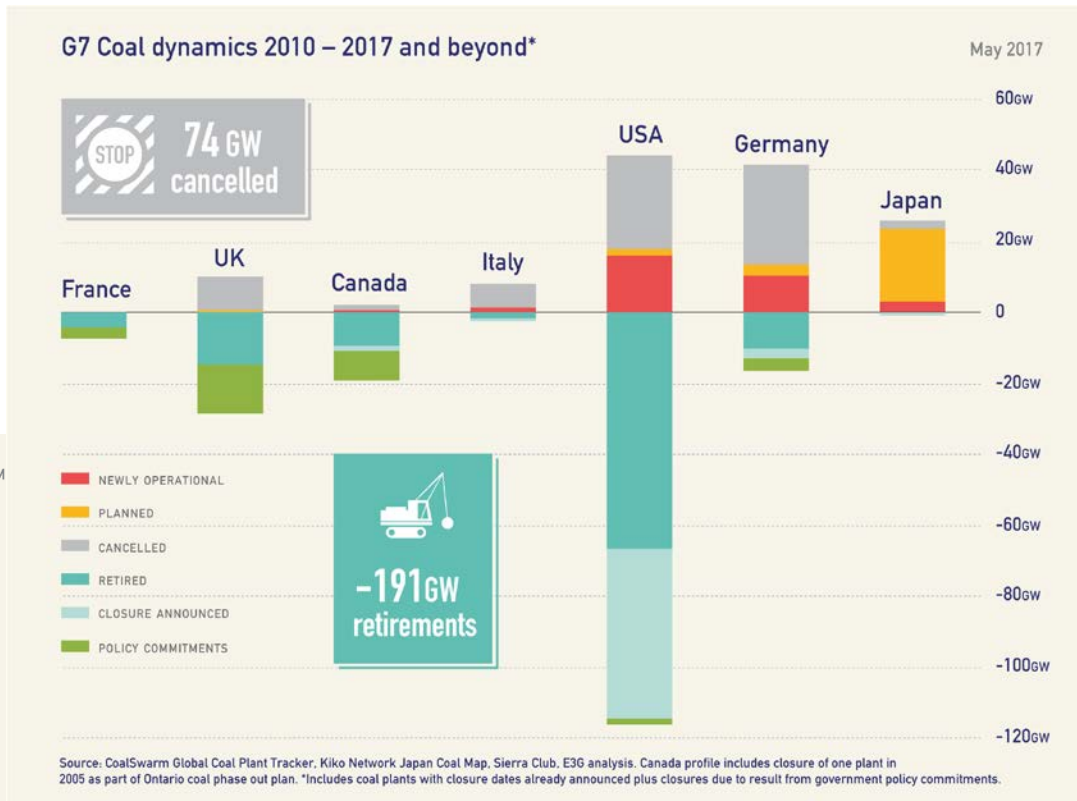
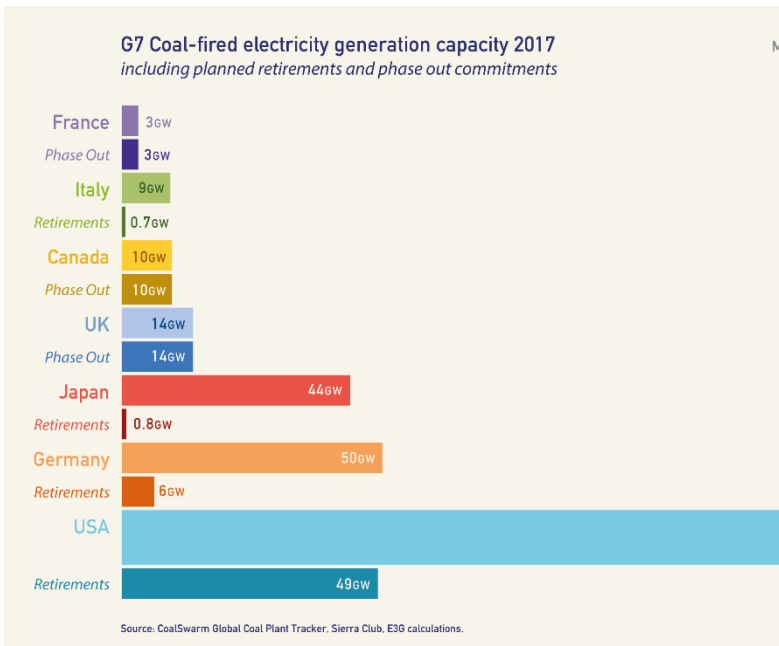
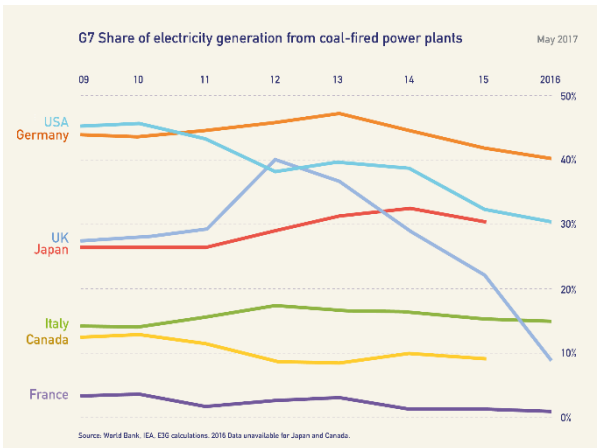
Existing coal plant capacity far exceeds Paris Agreement goals

Source: Climate Analytics

EU could avoid €22bn in losses by asset stranding by phasing out coal in line with the Paris Agreement

Source: Carbon Tracker Initiative


G7 Coal Analysis




E3G analysis of G7 coal dynamics

E3G G7 Coal Scorecard 2017


G7 Coal scorecard May 2017




Risk of new coal power plants





Coal power plant retirements













































International impact

 CLEAR PROGRESS

 NEEDS IMPROVEMENT

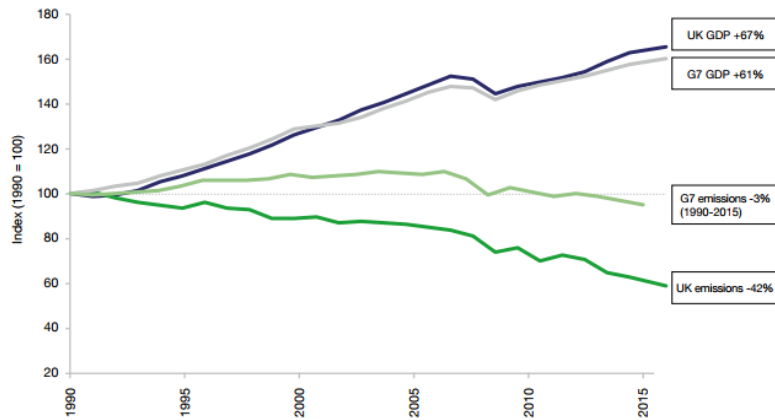
 POOR PERFORMER

RANKING	CHANGE*	Risk of new coal power plants		Coal power plant retirements		International impact	
		MARKET DRIVERS	GOVERNMENT POLICY	MARKET DRIVERS	GOVERNMENT POLICY	PRIVATE SECTOR ACTIONS	GOVERNMENT FINANCE
1. France	▲						
2. Canada	▲						
3. UK	▬						
4. USA	▬						
5. Italy	▲						
6. Germany	▲						
7. Japan	▬						

*Change compared to May 2016. Source: E3G assessment.

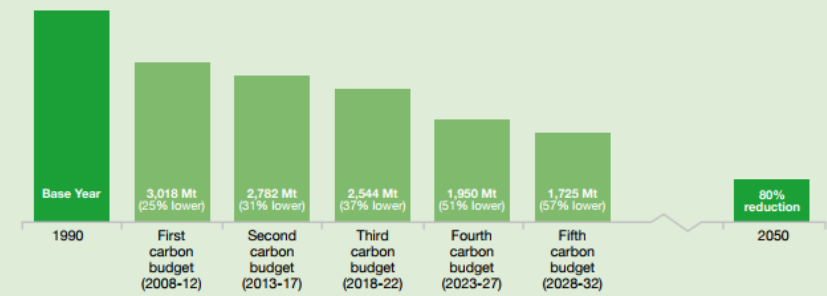
UK growth decoupled from emissions

Figure 1: UK and G7 economic growth and emissions reductions⁸



Source: UNFCCC; World Bank; BEIS

Figure 3: UK carbon budgets and 2050 target³⁵



Source: UK legislation; BEIS

UK and G7 economic growth and emissions reductions

Source: BEIS

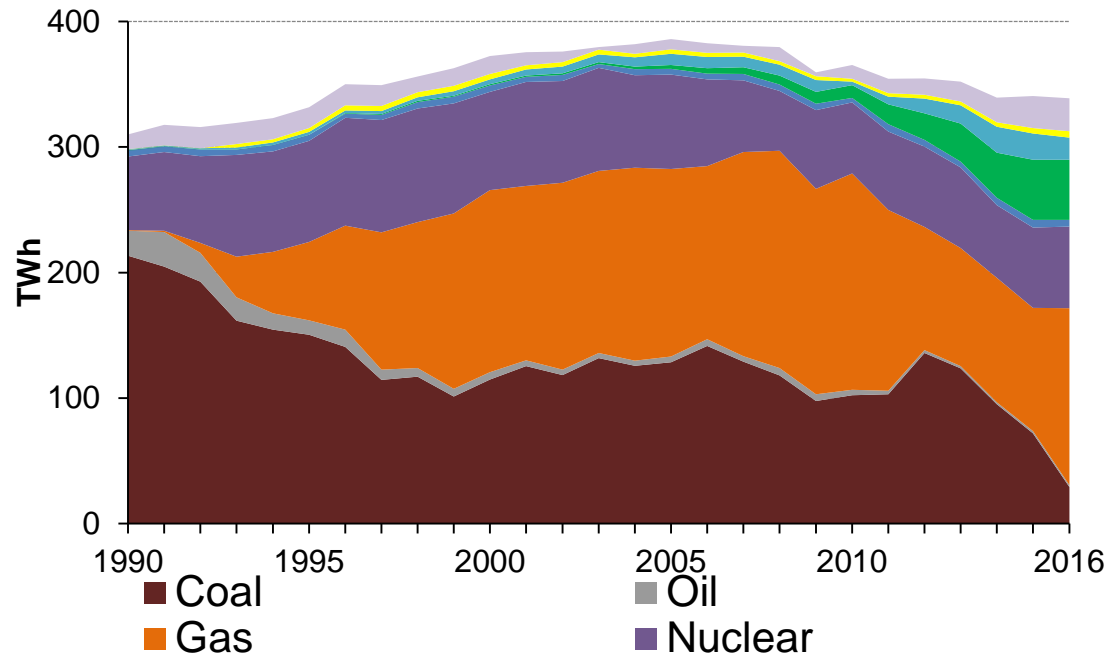
UK carbon budgets and 2050 targets

Source: BEIS

UK's historic relationship with coal



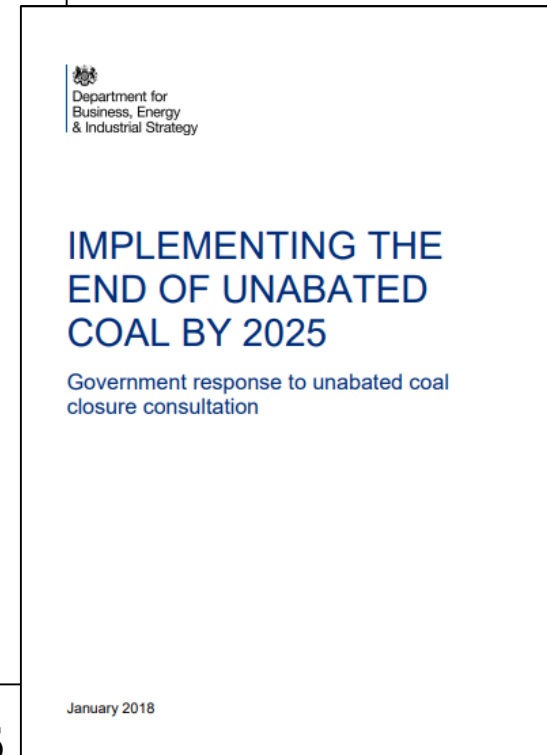
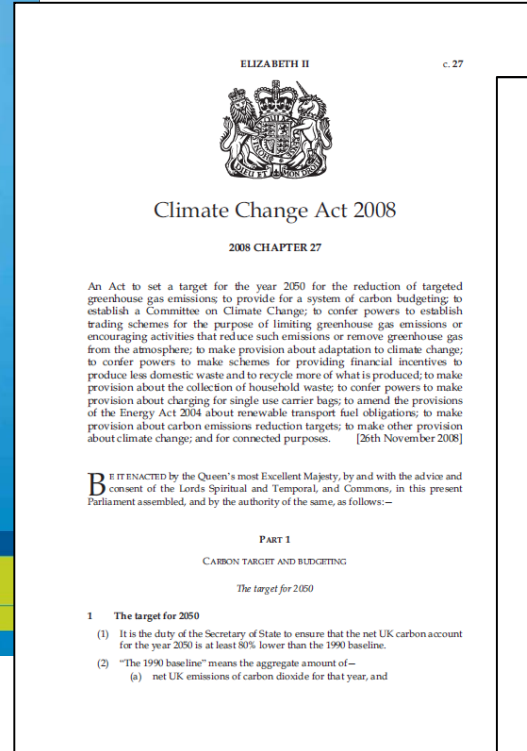
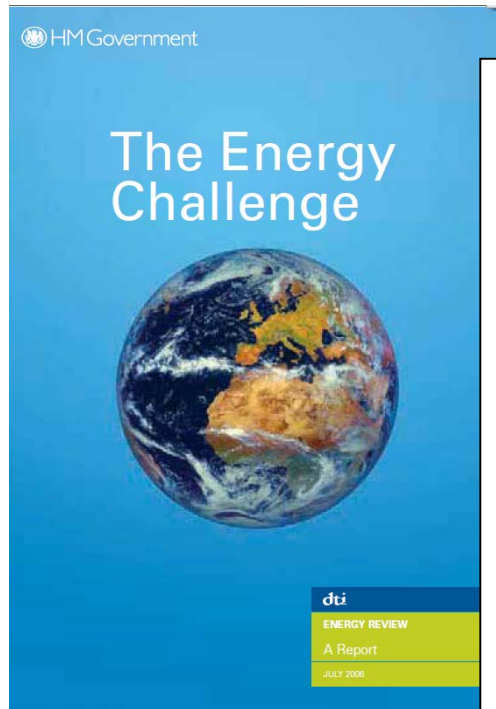
UK was the first country to use coal to generate electricity - Number 57, Holborn Viaduct, January 1892



Reduction in electricity generation from coal in the UK to 9% in 2016

Source: BEIS

Rapid evolution of UK energy and climate policy



UK Government policy support for new coal - 2006

UK Climate Change Act - 2008

UK Government policy to implement coal phase out - 2018

Coal's decline accelerates

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try UK runs without coal power for three days in a row

Demand lower following recent warm weather, making it easier for gas, renewables and nuclear to cover UK's needs



New UK record for coal free generation – 76hrs

Demolition of stack at Kingsnorth coal plant



PPCA Launch and Global Impact



'Political watershed' as 19 countries pledge to phase out coal

theguardian

New alliance launched at Bonn climate talks hopes to signal the end of the dirtiest fossil fuel that kills 800,000 people a year with air pollution



Mike Bloomberg @MikeBloomberg · Nov 16

When some of the world's largest economies pledge to go coal-free, it sends a powerful message to the rest of the world that coal's days are numbered. The leaders of this coalition are setting a great example that will help to accelerate the end of coal.



UK and Canada lead alliance against coal

A significant group of nations take a stand against using coal for electricity generation at UN climate talks.

bbc.com

32 319 557



PPCA Launch and Global Impact



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Frankfurter Allgemeine

WELTKLIMAKONFERENZ

Großbritannien und Kanada verkünden Kohleausstieg

VON ANDREAS MIHM, BONN - AKTUALISIERT AM 16.11.2017 - 13:47

Denmark in UN NY @Denmark_UN

Follow

Min. @larsclilleholt at #COP23: "We want to send coal on retirement no later than 2030. The future belongs to renewable energy sources in Denmark". #SDG7 #PoweringPastCoal

Finnish Government @FinGovernment

Follow

Finland co-founds a Powering Past Coal alliance in Bonn Climate Conference - Minister Tiilikainen: Bill banning the use of coal for energy due next year

Handelsblatt

Global coal pledge puts Merkel on the spot - again

A new alliance to phase out coal power by 2030 leaves the host country on the sidelines, as Germany wrestles with its own emissions dilemma.

Waspada Aliansi Anti Batubara

Meski ada aliansi anti batubara, prospek batubara tahun depan masih oke

Tane Hadyantono

JAKARTA. Setelah bertahan di atas US\$ 90 per metrik ton lebih dari dua bulan, harga batubara mulai tergejalai. Jumat (17/11) lalu, harga batubara kontrak pengiriman Desember di ICE Futures melonjak 1,62% jadi US\$ 90,85 per metrik ton. Serakan trenahiz, harga si bahan bakar terapan sekitar 5,70%.

Harga batubara melonjak seminggu setelah dari kabar bergabungnya 13 negara dalam aliansi internasional anti batubara, berujung Powering Past Coal Alliance. Alami ini terbentang di penandatangan Persekitaran Harga Batubara (PBB), dengan tujuan pengurangan penggunaan batubara sebagai bahan bakar pembangkit listrik sebelum tahun 2030.

Ke 13 negara tersebut antara lain adalah Inggris, Kanada, Denmark, Finlandia, Italia, Prancis, Belanda, Portugal, Belgia, Swedia, Belanda Baru, dan Meksiko. Alami tersebut mengartikan, sebanyak 50 negara lain akan bergabung sebelum pertemuan puncak konferensi iklim PBB tahun 2018 di Katowice, Polandia.

Andas Asia. Tindakan Pateres Dedy Yusuf Siweger mengartikan, aliansi tersebut bakal merontokan penandatangan batubara di Eropa berkekuatan. Maklum saja, mayoritas negara yang bergabung dalam aliansi tersebut berasal dari kawasan Benua Biru.

Meski begitu, negara besar yang banyak menggunakan batubara, seperti China, Amerika Serikat, Rusia, dan Jerman, enggan bergabung. "Mungkin akan berkekuatan penandatangan tapi tidak signifikan," kata Dedy, Senin (20/11).

Jadi, harga batubara masih bisa merontok. Apalagi rencana AS meningkatkan penggunaan batubara semakin jelas sejak Presiden Donald Trump keluar dari Perjanjian Iklim Paris 2015.



ANDAS/IMAGI SAFARI



Hingga akhir tahun harga batubara diprediksi bisa kembali merontok dan tembus US\$ 100 per metrik ton.

riku harga si bahan batubara, berkekuatan 138,87, dan US\$ 94 per metrik ton dalam serapan ke depan.

Tapi, kemunculan penandatangan dari China dan AS diprediksi masih menggerakkan harga batubara. Itu, harga akan tembus US\$ 100 per metrik ton pada 2018 mendatang.

Secara teknikal Dedy melihat, harga batubara berada di atas moving average (MA) 50, MA 100 dan MA 200, yang menunjukkan tren penurunan jangka pendek. Indikator moving average convergence/divergence (MACD) ada di area negatif. Sementara indikator relative strength index (RSI) di area 25 berkekuatan menengah dan dengan stochastic masuk area overbought dengan potensi rebound tipis.

Southeast Asian CSOs and Movements on the UK-Canada Powering Past Coal Alliance

We reiterate the Southeast Asian peoples demand for the UK, Canada and other developed countries, including the US, EU, Japan, to raise their ambition further. We call for an immediate end to the financing of new coal power plants and coal mining projects in the region. At present, there are around more than 120GW of proposed coal plants in the region, and 90% of the global coal plant expansion in the Asian region. We urge governments of the Powering Past Coal Alliance to immediately stop and curb funding from both public and private finance from their countries to corporations, banks that are behind this massive coal build-up in Southeast Asia and in Asia in general. In addition, we call for the delivery of climate finance to developing countries for the swift and just transition to 100% renewable energy for people and communities.

Powering Past Coal Alliance - added value



- Progressive leadership by Governments in the Alliance has critical value: coal is explicitly recognised as the top target
- Close connectivity between international climate diplomacy and domestic policy making on energy transition is essential
- Momentum created at an international level can help policy makers to accelerate structural change in national economies
- At the same time, progress in the transition to low-carbon energy can help drive greater ambition in climate diplomacy
- Critical international moments include the Californian GCAS, Canadian G7, and the Japanese G20 Summit in 2019

Powering Past Coal Alliance - implementation



- Emphasis on making substantial progress towards encouraging OECD countries to commit to 2030 coal phase, through:
 - Support for countries in running national processes to plot a rapid transition from coal, based on their specific national conditions
 - Sharing of best practice on policy making to drive a secure transition from coal
 - Sharing of best practice between sub-national actors on regional and social aspects of the transition
 - Convening to accelerate the shift of investment from coal to clean renewable generation

E3G approach to country mapping

