

# Why coal mine methane needs urgent attention?

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COAL TO CLEAN ENERGY POLICY





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## Accelerating the global electricity transition from coal to clean



Tracking  
electricity data



Changing  
policy



Shaping the  
global narrative

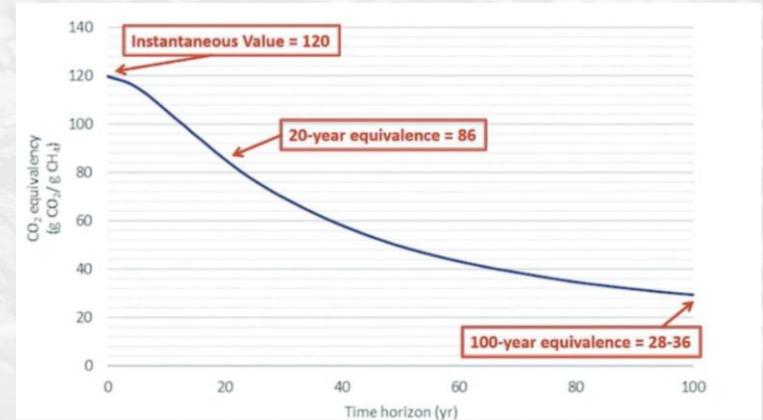


Empowering  
campaigns

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# Why methane?

- Potent greenhouse gas →
- Readily available solutions to mitigate coal mine methane emissions already exist
- Air pollutant
- More than half of global methane emissions stem from human activities in three sectors:
  - Fossil fuels (35%)
  - Agriculture (40%)
  - Waste (20%)
- Currently, direct and indirect social cost of methane emissions are estimated at 1150-5610 EUR/tonne (Shindell et al., 2017)



Source: UNEP



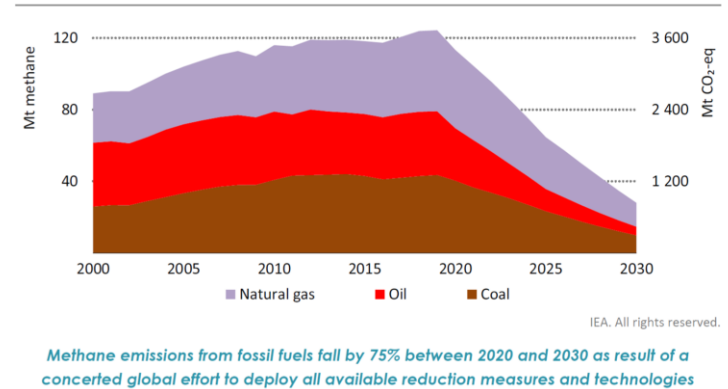
# Why now?

We are already late.

# Why coal mine methane?

- *Worse for the climate than shipping and aviation combined* (WEO, 2018)
- ...we all know the emissions are most likely to be underestimated
- Solutions already exist
- Coking coal won't go away fast but it's most methane-intensive
- IEA: we need 75% CMM reduction in the next 10 years to put us on track on 1.5C
- Coal mine methane has been neglected as an environmental issue

**Figure 3.5** ▶ Methane emissions from coal, oil and natural gas in the NZE

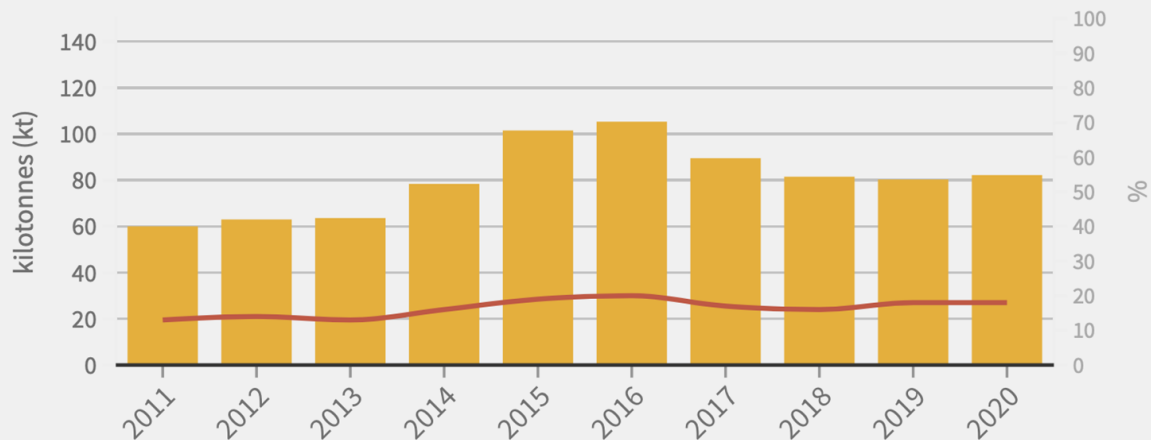


## Demethanisation stations in Poland continue venting methane

Methane released by demethanisation stations

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■ as a % of all coal mine methane emissions ■ in absolute terms (kilotonnes)



## Emissions

Copy to CSV File

	Category	Gg (1,000 Tonnes)	Trend Graph
<b>1</b>	<b>Energy</b>	<b>1,315.94</b>	!
1.B.1	Solid Fuels	900.44	!
1.B.1.a.i	Underground Mines	630.49	!
1.B.1.a.ii	Surface Mining	267.70	!
1.B.1.c	Flaring	Data is confidential	



## **“...but China/Russia/other...”**

*Tragedy of the commons* - we can't expect other countries to do anything about CMM if we're not setting an example

## **“...but it is costly...”**

It's more expensive not to do anything about it...

## **“...but we can't utilize all of it...”**

Proven technology exists to utilize most of CMM emissions



**What needs  
to be done?**

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# What needs to be done?

- Reporting must be improved. And data needs to be public.
- *Easy* targets must be prioritised
- All countries should present a detailed strategy (with specific targets) on how they're planning to tackle CMM emissions.



# What needs to be done?

We need to cooperate.



Thank you

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