

What will 20-20-20 mean for UK Business?

Dr Andy Pearson

2nd March 2017



What is 20-20-20?

- **20% cut in greenhouse gas emissions (from 1990 levels)**
- **20% of energy produced from renewables**
- **20% improvement in energy efficiency**
- **Achieved by 2020**



**This is not
a destination**

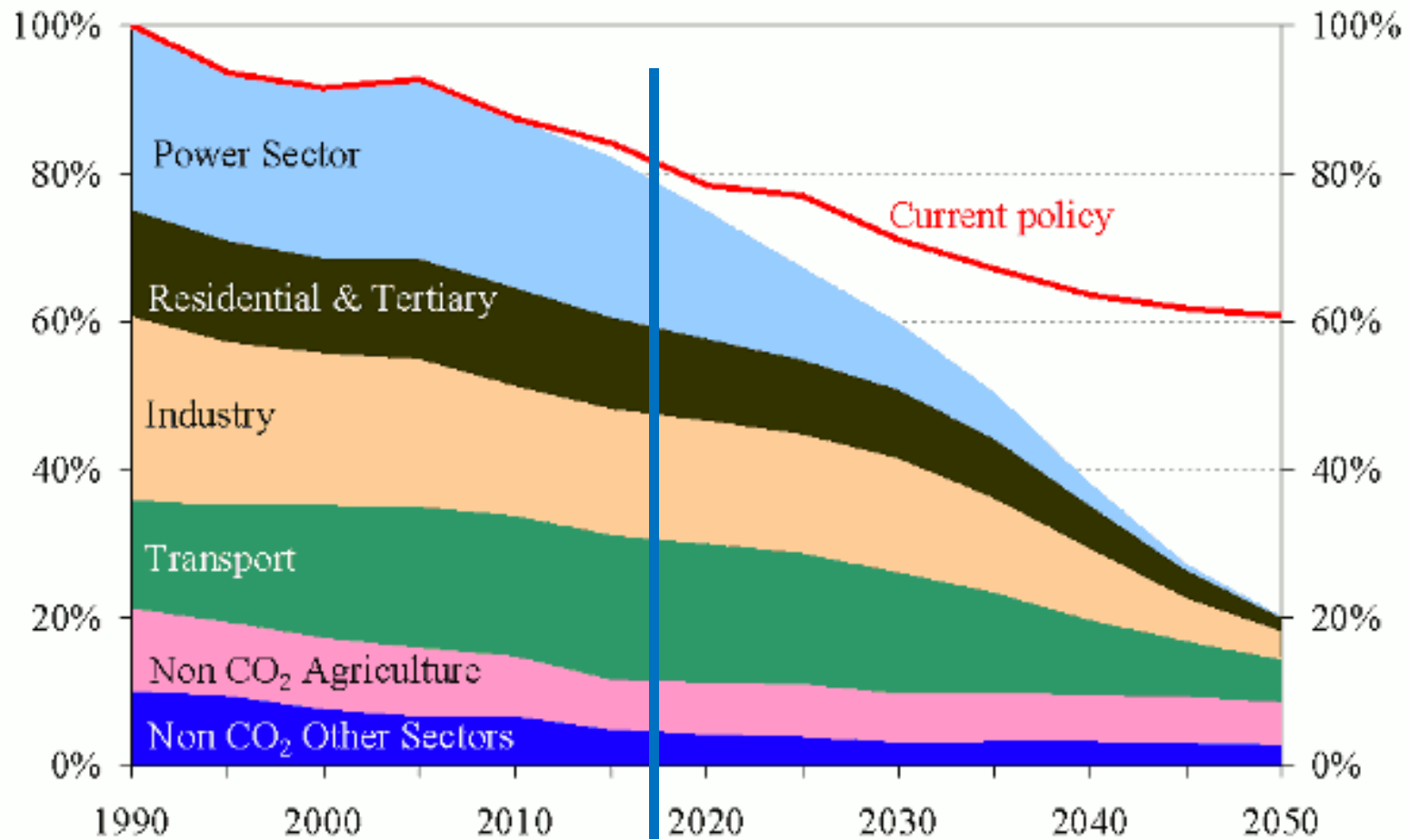
What is 20-20-20?

- **At least 40% cut in greenhouse gas emissions (from 1990 levels)**
- **At least 27% of energy produced from renewables**
- **At least 27% improvement in energy efficiency**
- **Achieved by 2030**

What is 20-20-20?

- **80% cut in greenhouse gas emissions (from 1990 levels)**
- **100% of energy produced from renewables or with carbon capture**
- **??% improvement in energy efficiency**
- **Achieved by 2050**

What is 20-20-20?



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www.ec.europa.eu/clima/policies/strategies

What is 20-20-20?

- A set of binding **legislation** for climate and energy targets for 2020
- A **framework** for climate and energy setting targets for 2030
- A **roadmap** to a low-carbon economy achieved by 2050

A short detour

“The absolute, absolute consensus is that human action is leading to an increase in average temperature. Absolute consensus. I know you may try to argue with that, but you can't.”

Professor Brian Cox

15 August 2016

A short detour

“ I’m looking at it very closely...I’ll tell you what. I have an open mind to it. We’re going to look very carefully. It’s one issue that’s interesting because there are few things where there’s more division than climate change. You don’t tend to hear this, but there are people on the other side of that issue who are, think, don’t even”

President Donald Trump

23 November 2016

A short detour

Alternative facts

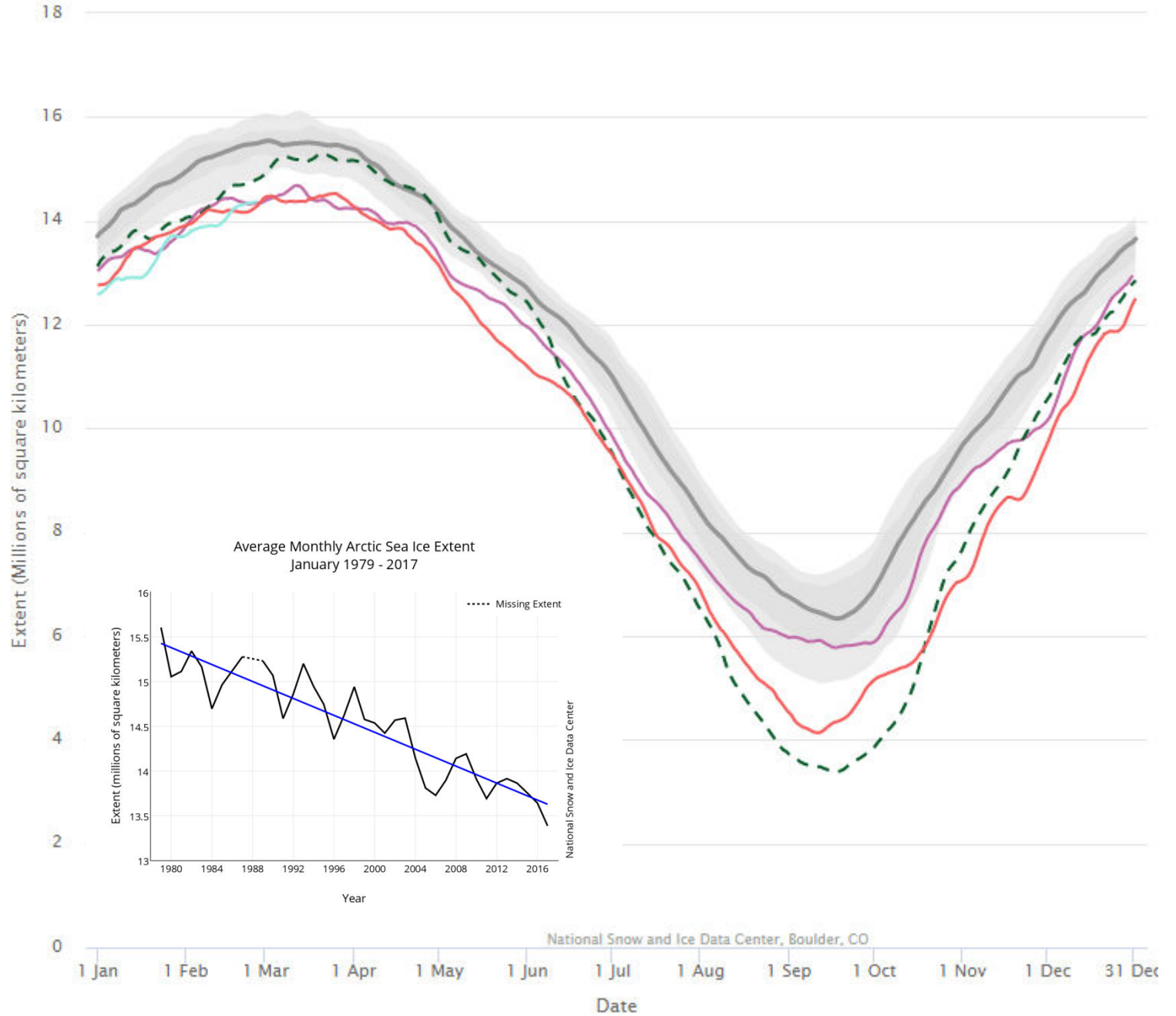
Fake News

Post-truth society

Engineers and scientists have an obligation to say as loudly and as often as they can that measured, validated data is not a question of opinion, it is a statement of truth. To suggest that an alternative view of the facts is equally valid is ludicrous.

Arctic Sea Ice Extent

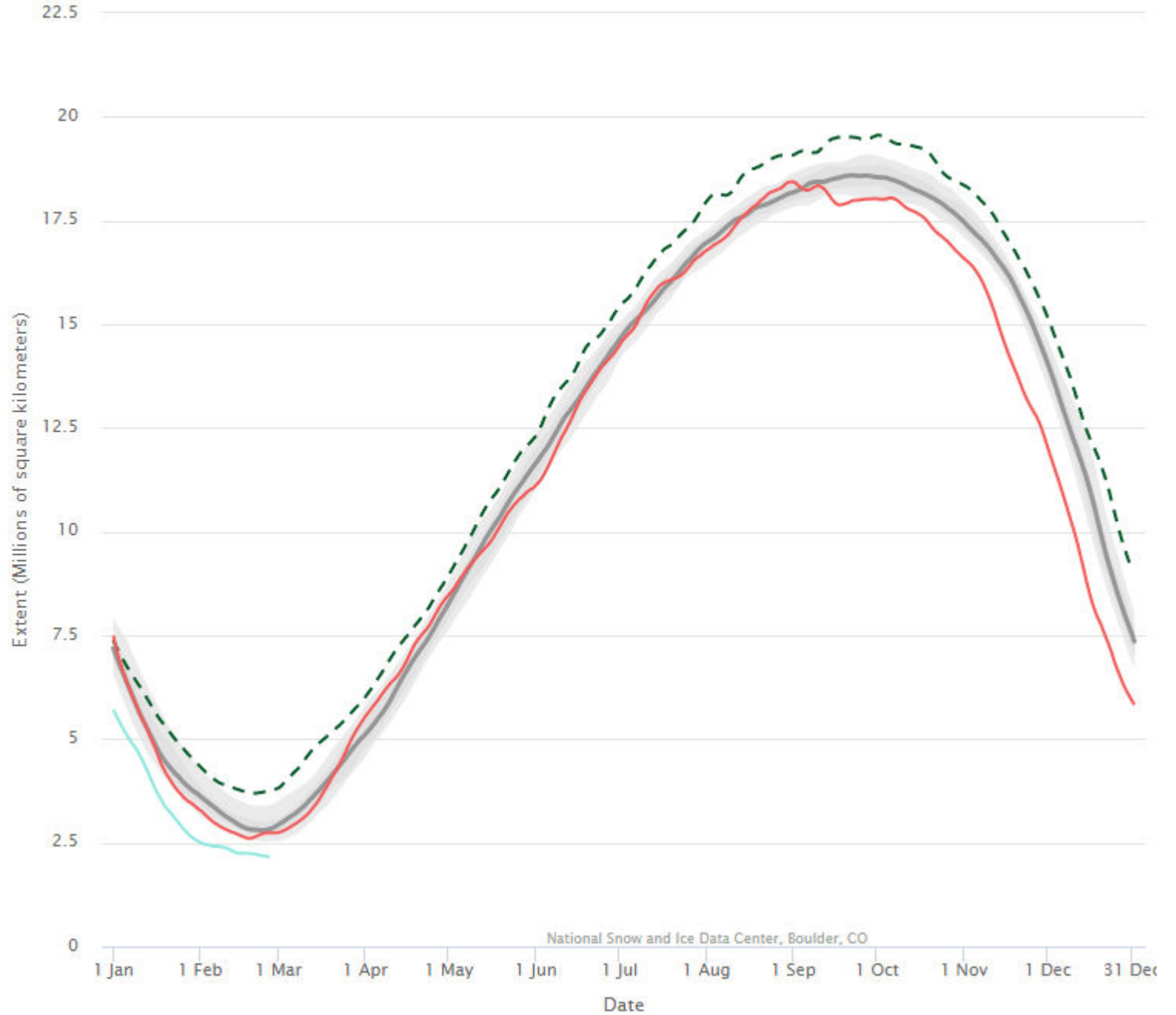
(Area of Ocean with at least 15% sea ice)



National Snow and Ice Data Center, Boulder, CO

Antarctic Sea Ice Extent

(Area of Ocean with at least 15% sea ice)



National Snow and Ice Data Center, Boulder, CO

A short detour

“I've — look, I'm somebody that gets it, and nobody really knows. It's not something that's so hard and fast.”

President Donald Trump

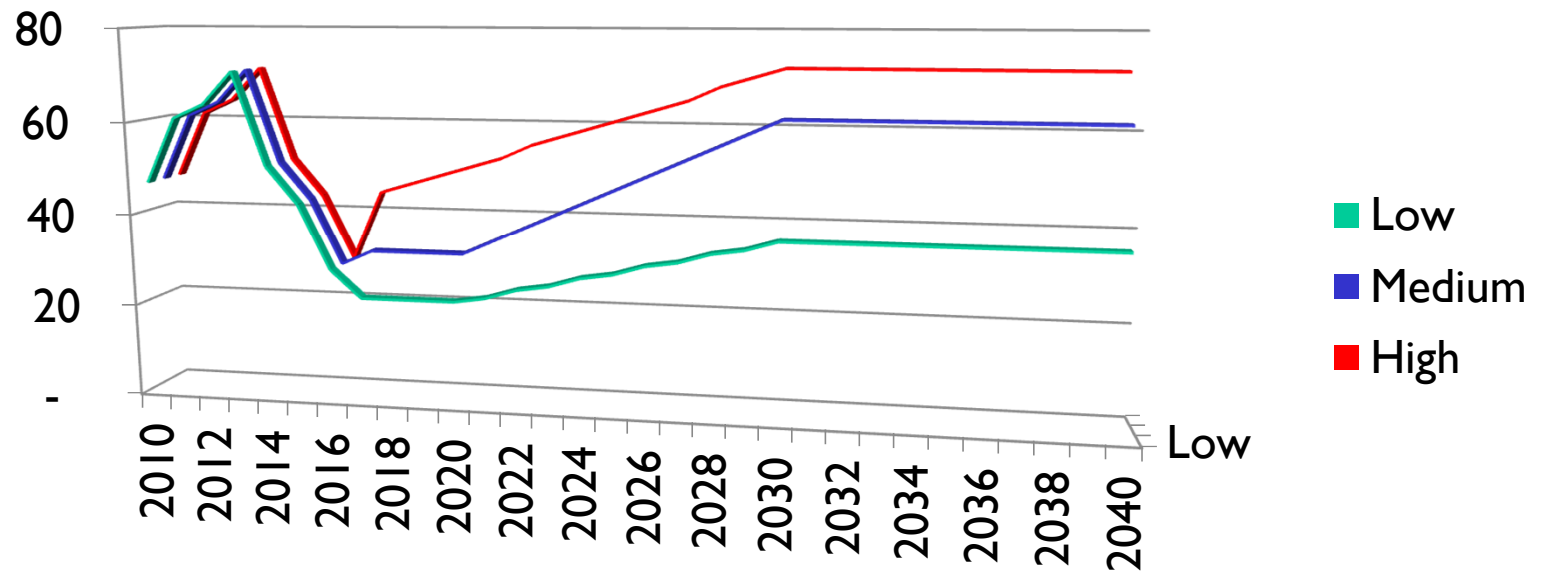
11 December 2016

A short detour

“I think right now ... well, I think there is some connectivity. There is some, something. It depends on how much. It also depends on how much it’s going to cost our companies. You have to understand, our companies are noncompetitive right now.

They’re really largely noncompetitive. We have to make ourselves competitive.”

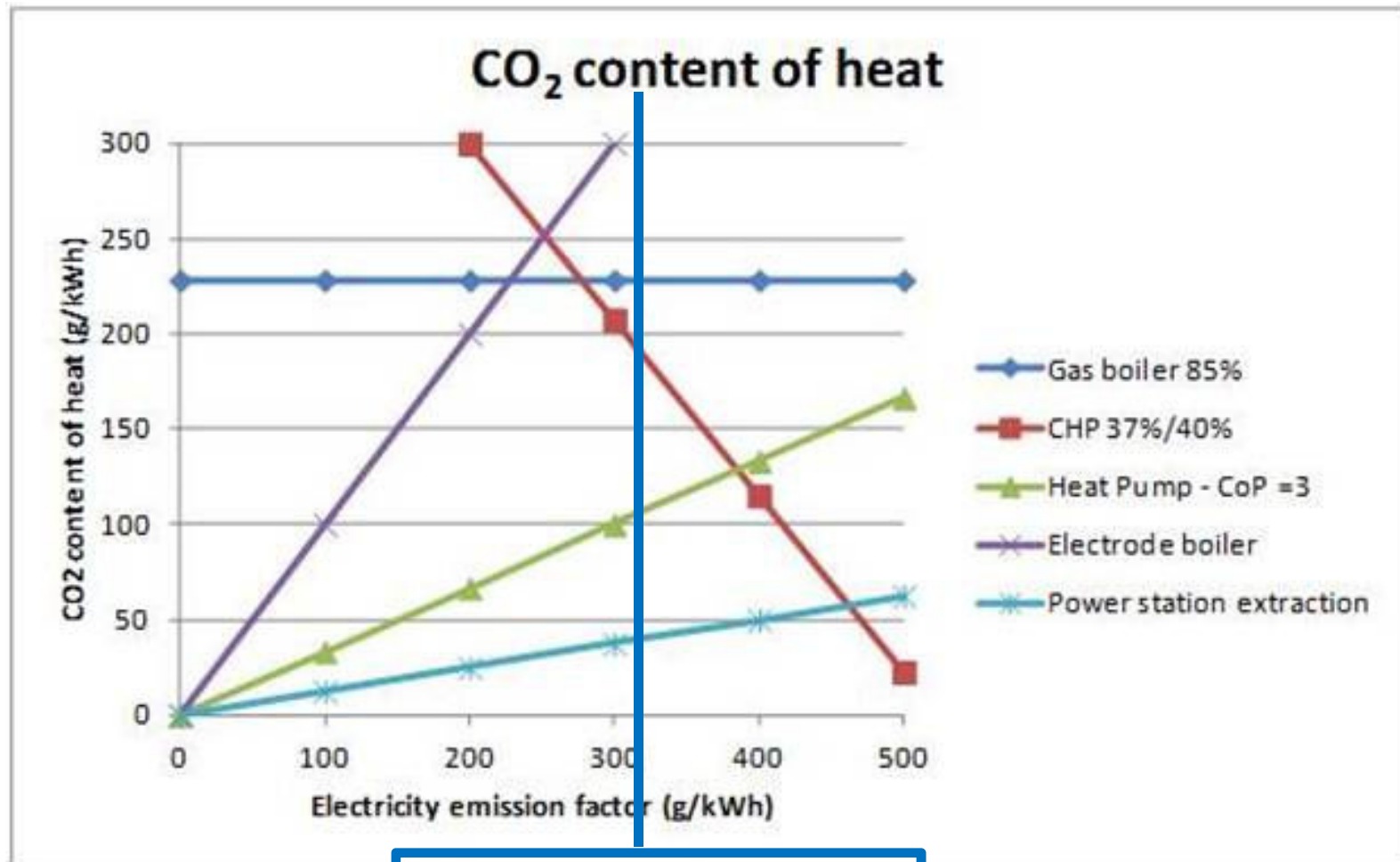
DECC Fossil Fuel Price



Why 20-20-20?

- **Increase energy security**
- **Boost the economy through clean tech, encouraging growth and jobs**
- **Reduce dependence on key resources (materials, land, water)**
- **Reduce dependence on imports**
- **Deliver benefits to health**

What's in it for UK firms?



You are here

Government policy?

- **Yes, please!**
- **The sooner the better,**
- **Find ways to discourage gas burning**
- **Price policy would be a good start**
- **We have done the easy bit**
- **That is not enough to reach the goal**
- **Don't let BREXIT get in the way**

Questions and Answers

