

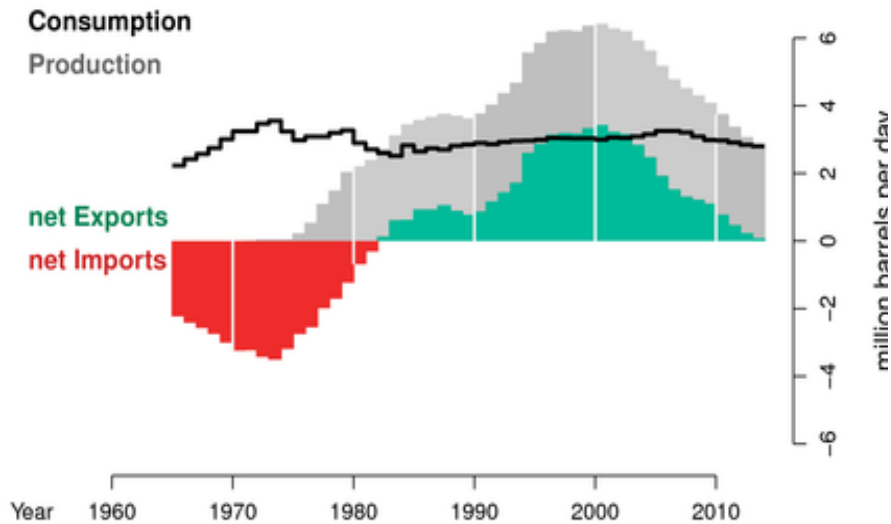
# Why energy conservation 1 :

Because oil, natural gas, coal are **limited resources**



## North Sea : Oil

2013 exports decreased by 65. %

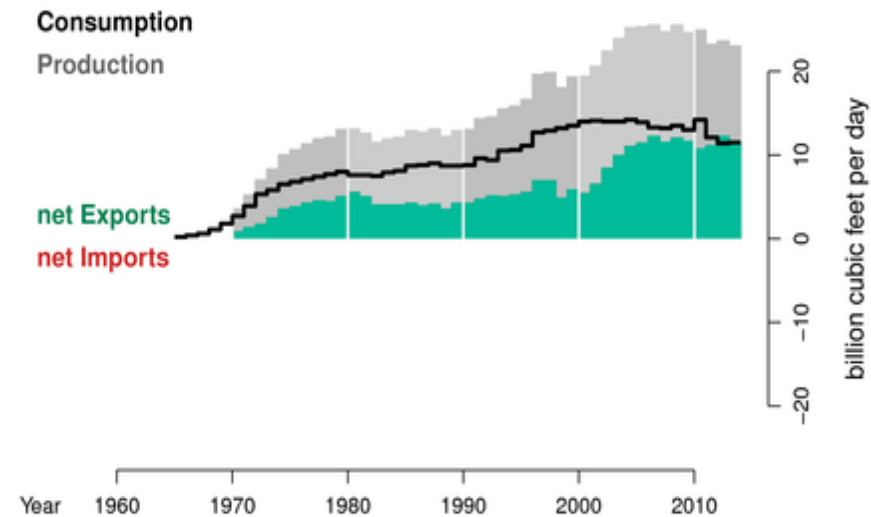


Data: BP Statistical Review 2014 Graphic: mazamascience.com



## North Sea : Nat. Gas

2013 exports decreased by 5.6 %



Data: BP Statistical Review 2014 Graphic: mazamascience.com

Why energy conservation 2 :  
Because energy is **increasingly costly**:  
10 years ago 1/3 to 1/4 of price in 2011-2014

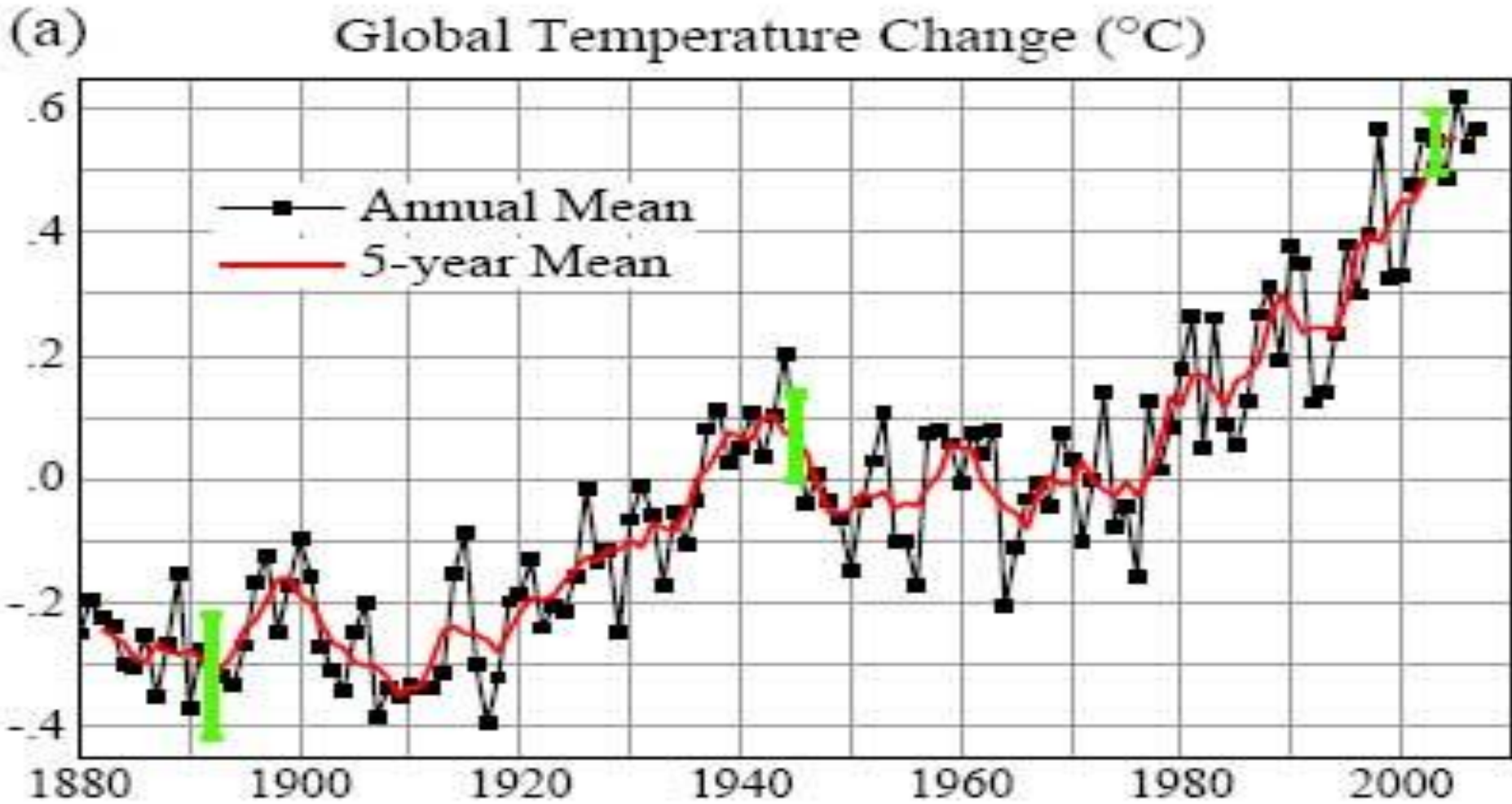
## Crude Oil Price History

NYMEX - West Texas Intermediate (WTI)

April 4, 1983 - April 29, 2104



Why energy conservation 3 :  
Because **climate change** is progressing fast:  
+0.7 °C in my lifetime



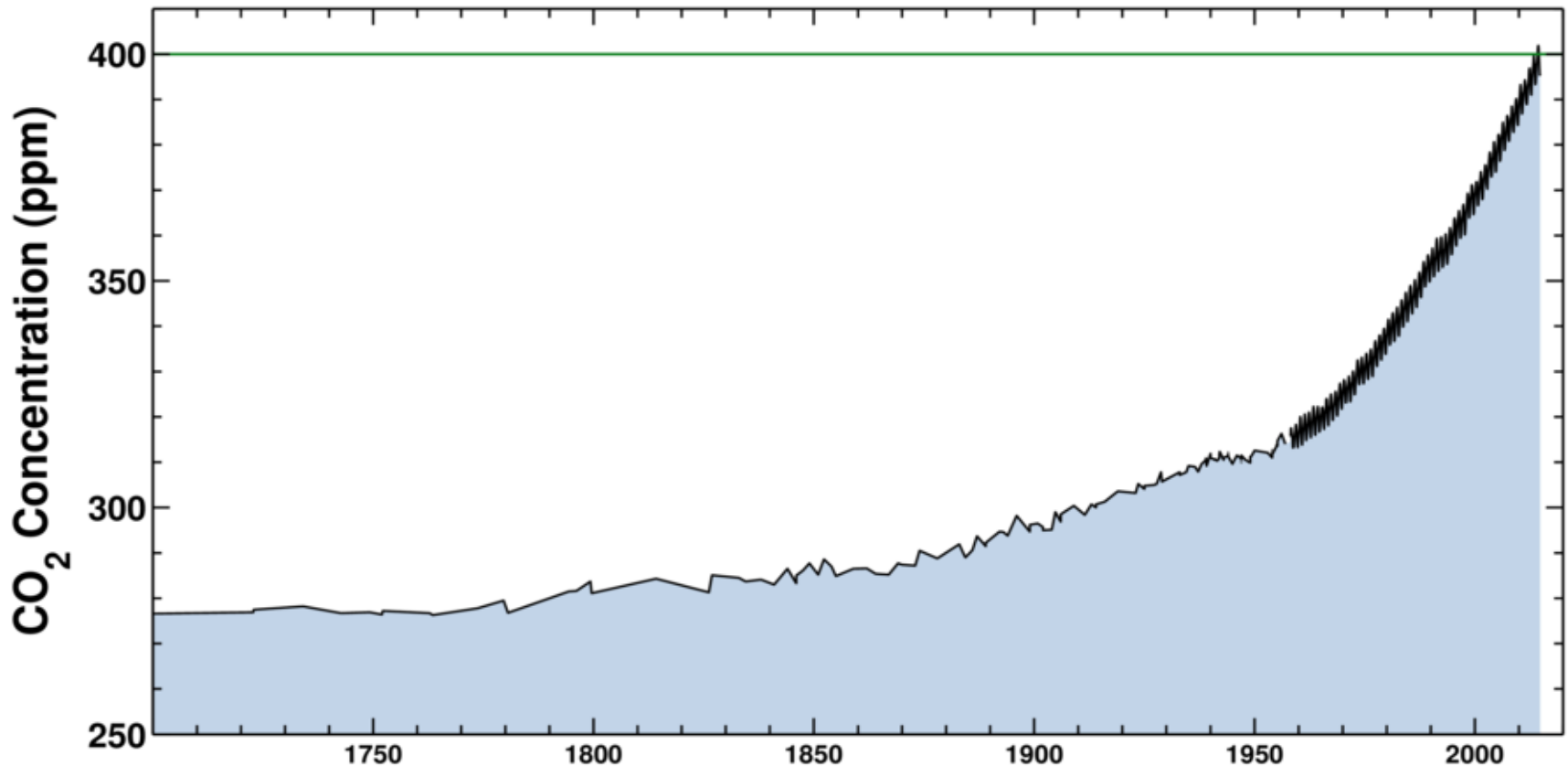
# Why energy conservation 4 :

Because climate change is **caused by burning fossil fuels** and CO<sub>2</sub>, CH<sub>4</sub> concentration **continue to grow** regardless political rhetoric

Latest CO<sub>2</sub> reading  
November 17, 2014

**397.62 ppm**

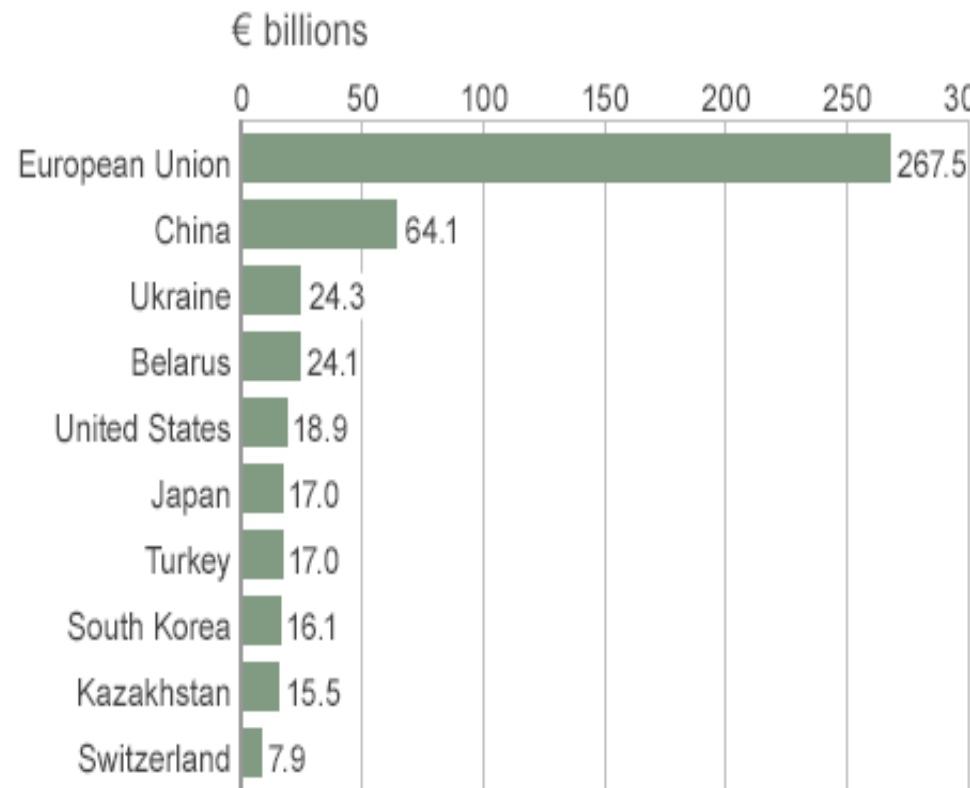
Ice-core data before 1958. Mauna Loa data after 1958.



# Why energy conservation 5: Because by not conserving energy we – the EU - finance militarism and war

- 75% of all EU imports from Russia are fossil fuels (2013) worth **160 bn €**
- EU's **trade deficits with Russia:**  
2013 – 86 bn €  
2012 - 92 bn €  
2011 - 93 bn € ...
- Global militarization index  
<http://gmi.bicc.de/>

Russia's top trading partners 2012



Source: Eurostat

Denmark's foreign minister **Martin Lidegaard**:

„ A European Union deal to cut fuel use and increase renewable energy would be a better punishment on Moscow than more sanctions as it would clearly show the EU means to cut reliance on Russian gas. **Russia should be a game changer... I think it has become very visible that our current dependency on Russia has a price, a political price and a security price**“.

EU goal to reduce energy use through measures such as better building insulation would automatically cut carbon emissions and curb reliance on Russian gas.

**"Energy efficiency and renewables solve all our problems at once**“.

*Reuters, Oct.2, 2014*