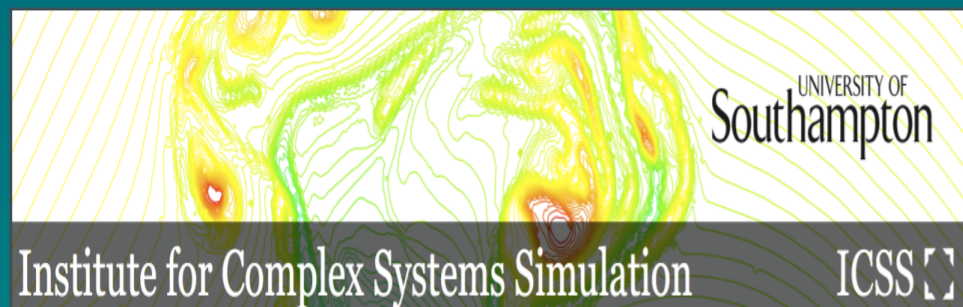



# Global Challenges, the Curriculum Innovation Module and TEDx

James Dyke

UN Development Information Day

24th October 2012

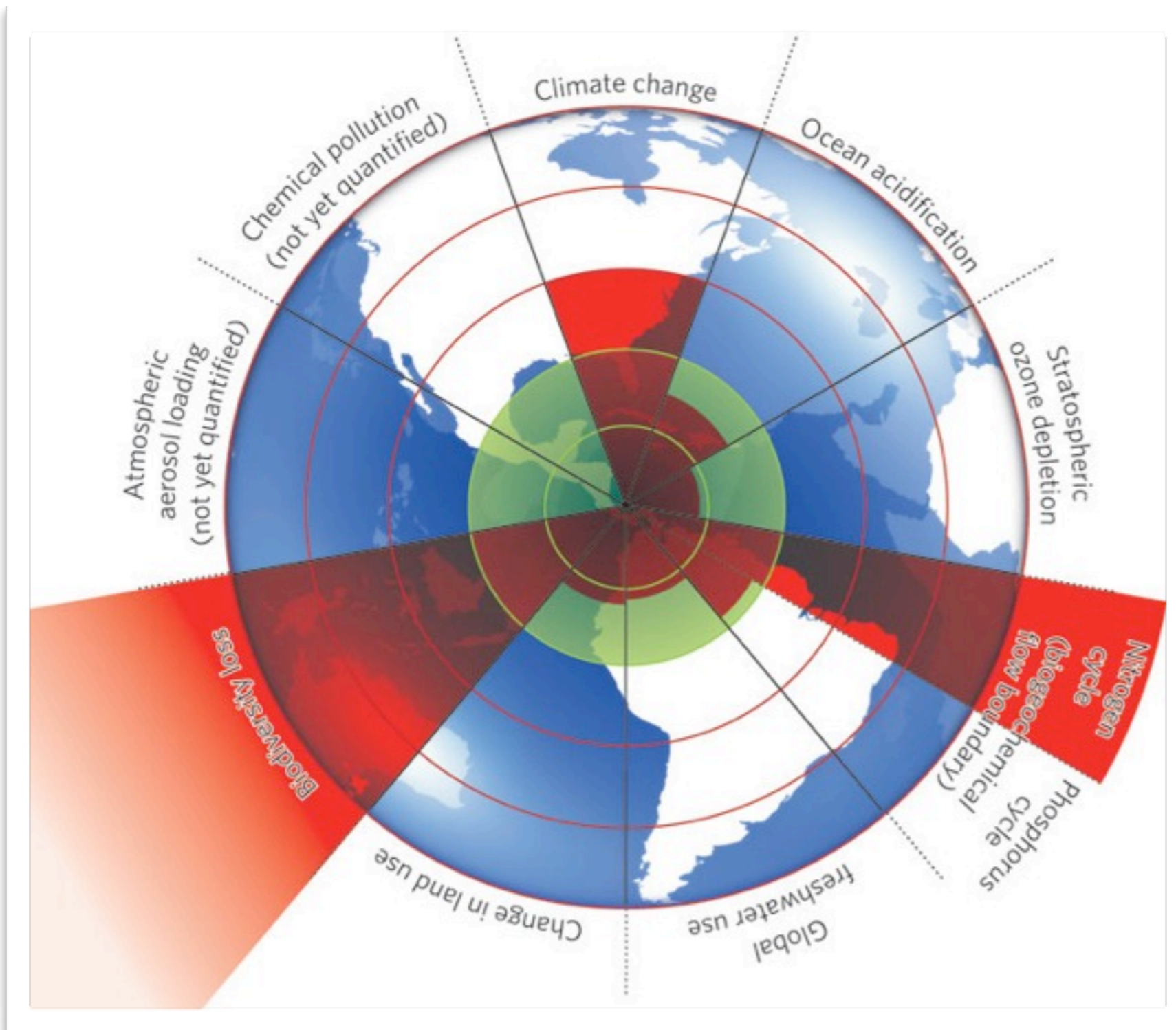




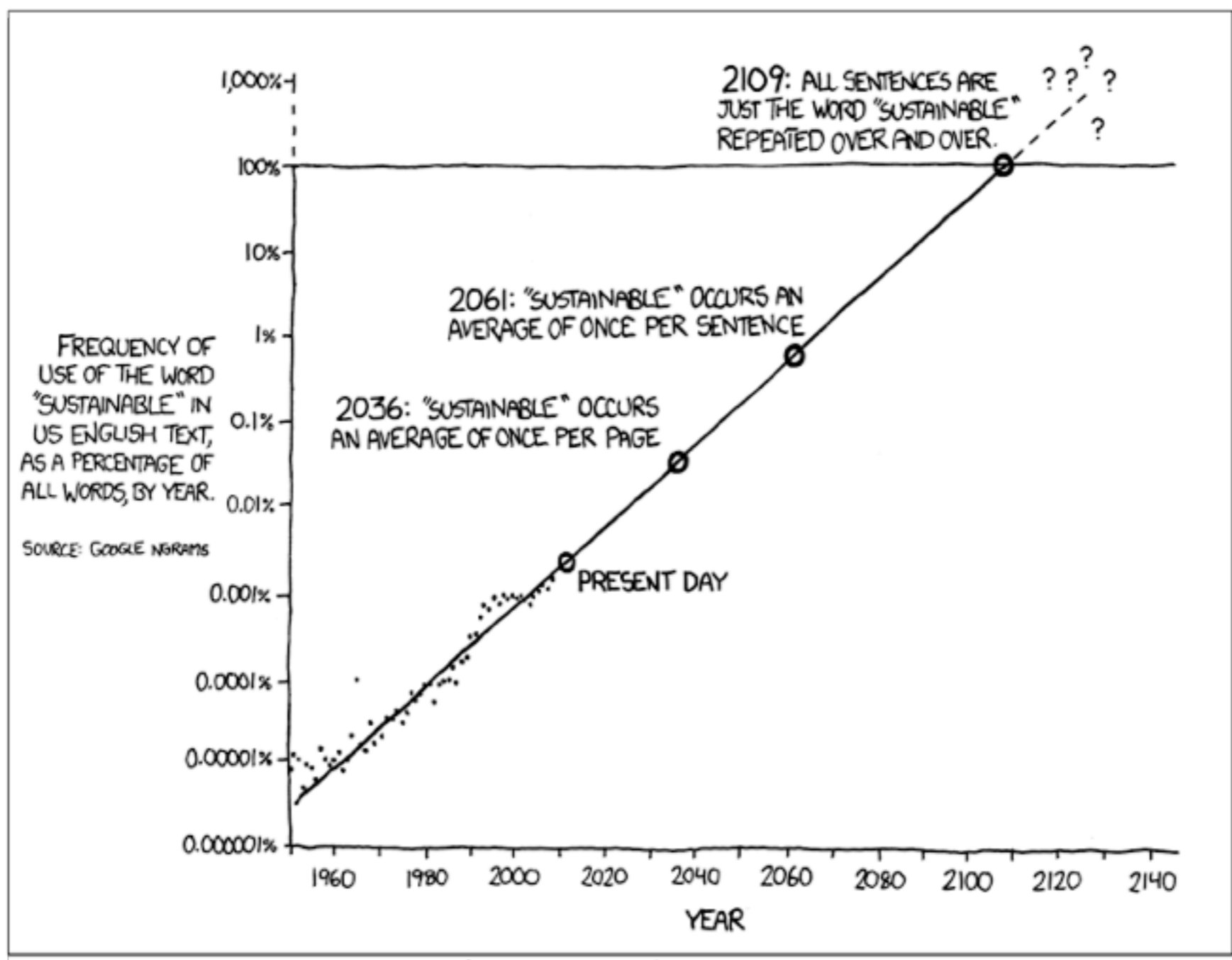
Not having access to clean water  
kills approximately 1.5 million  
people each year<sup>1</sup>

<sup>1</sup> Prüss-Üstün A, Bos R, Gore F, Bartram J. Safer water, better health: costs, benefits and sustainability of interventions to protect and promote health. *World Health Organization*, Geneva, 2008.

Photo: Dylan O'Donnel [www.deography.com](http://www.deography.com)



J. Rockström et al (2009) *Nature* 461, 472-475



THE WORD "SUSTAINABLE" IS UNSUSTAINABLE.

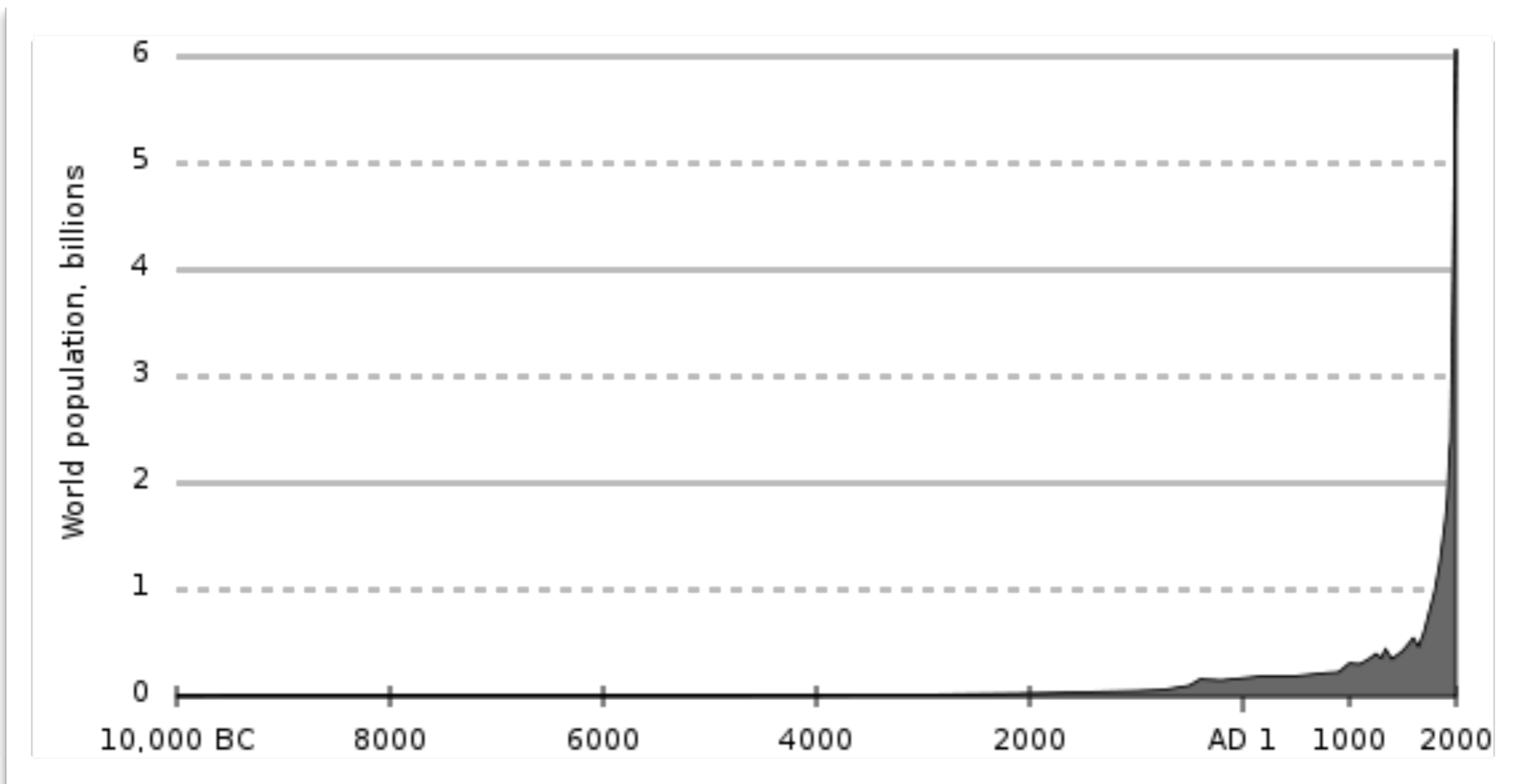


Figure: Wikipedia

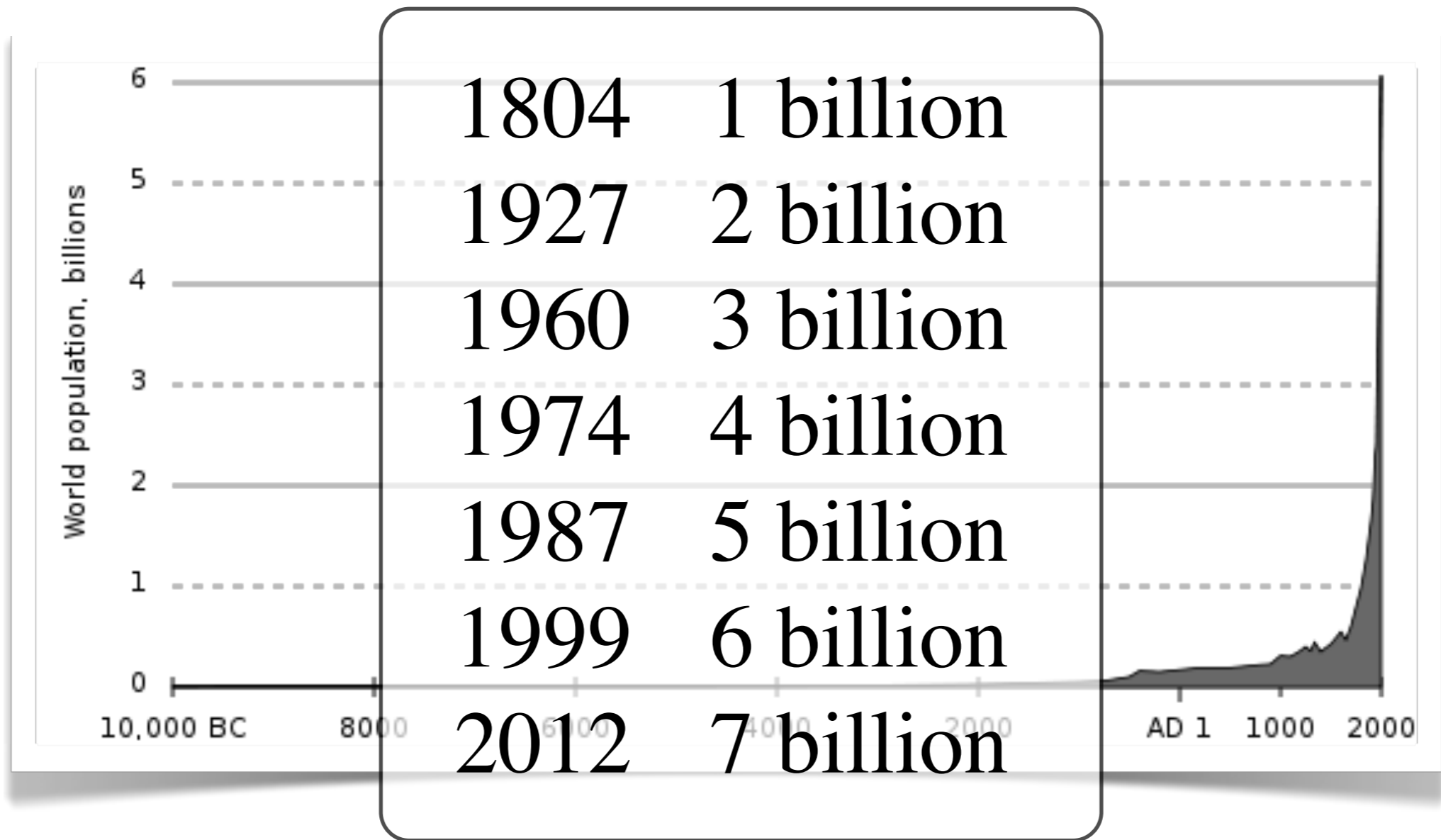


Figure: Wikipedia Table Data: United States Census Bureau



1790 - 1990





1990 - 2010



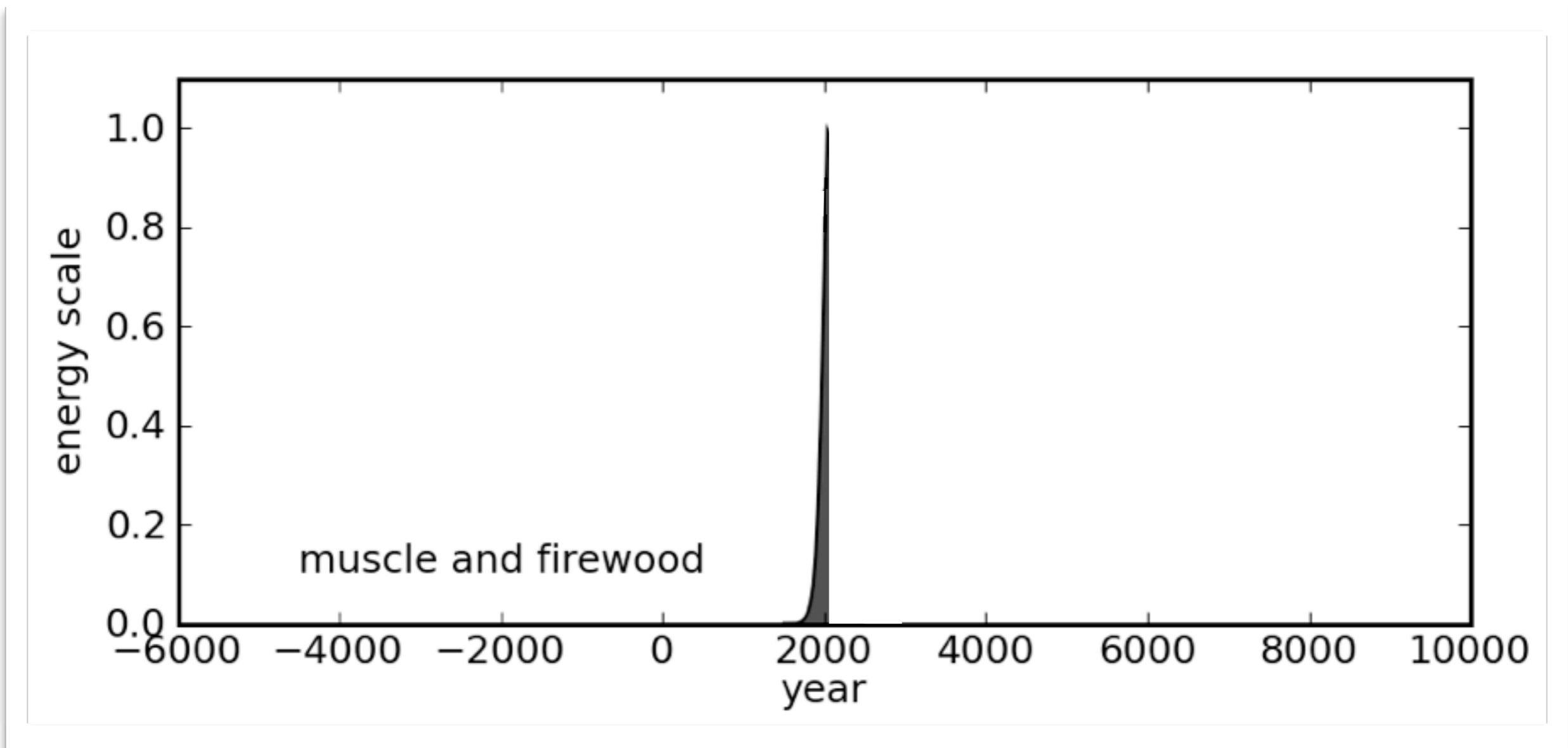
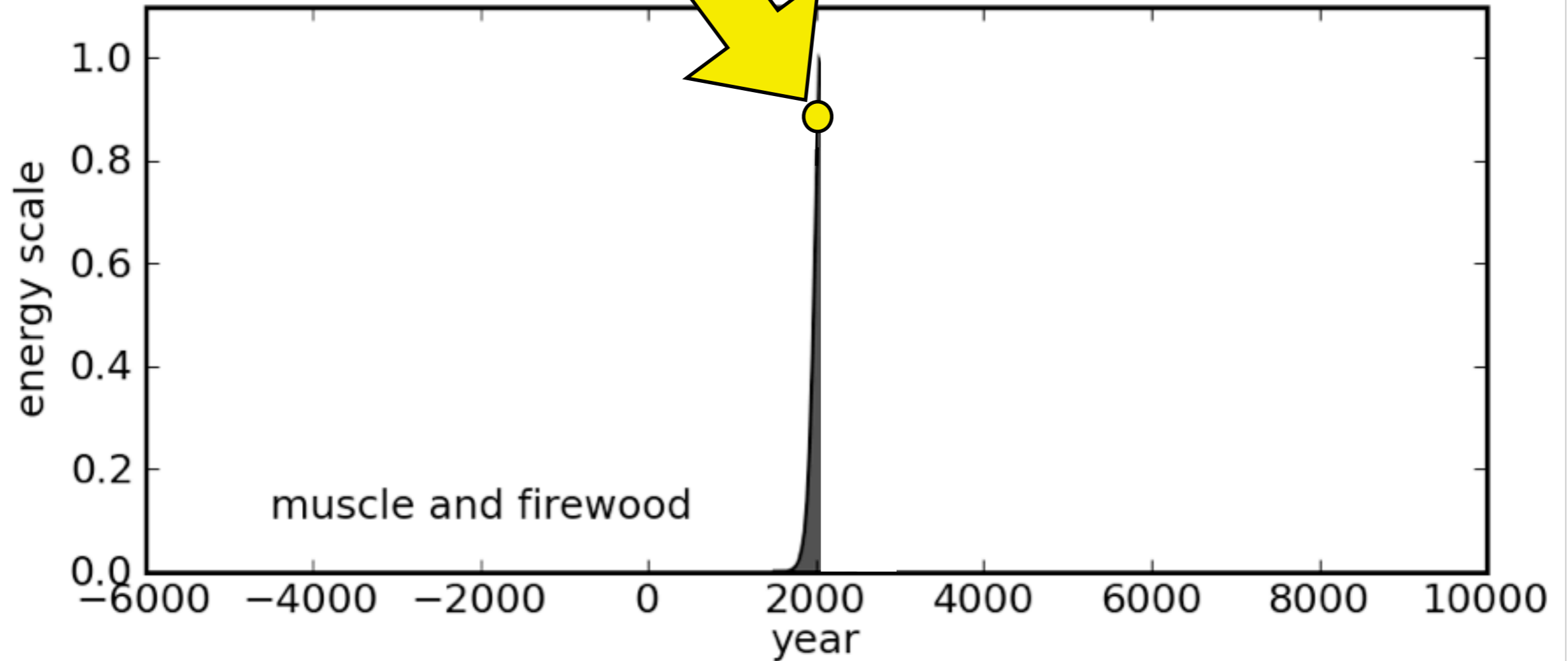
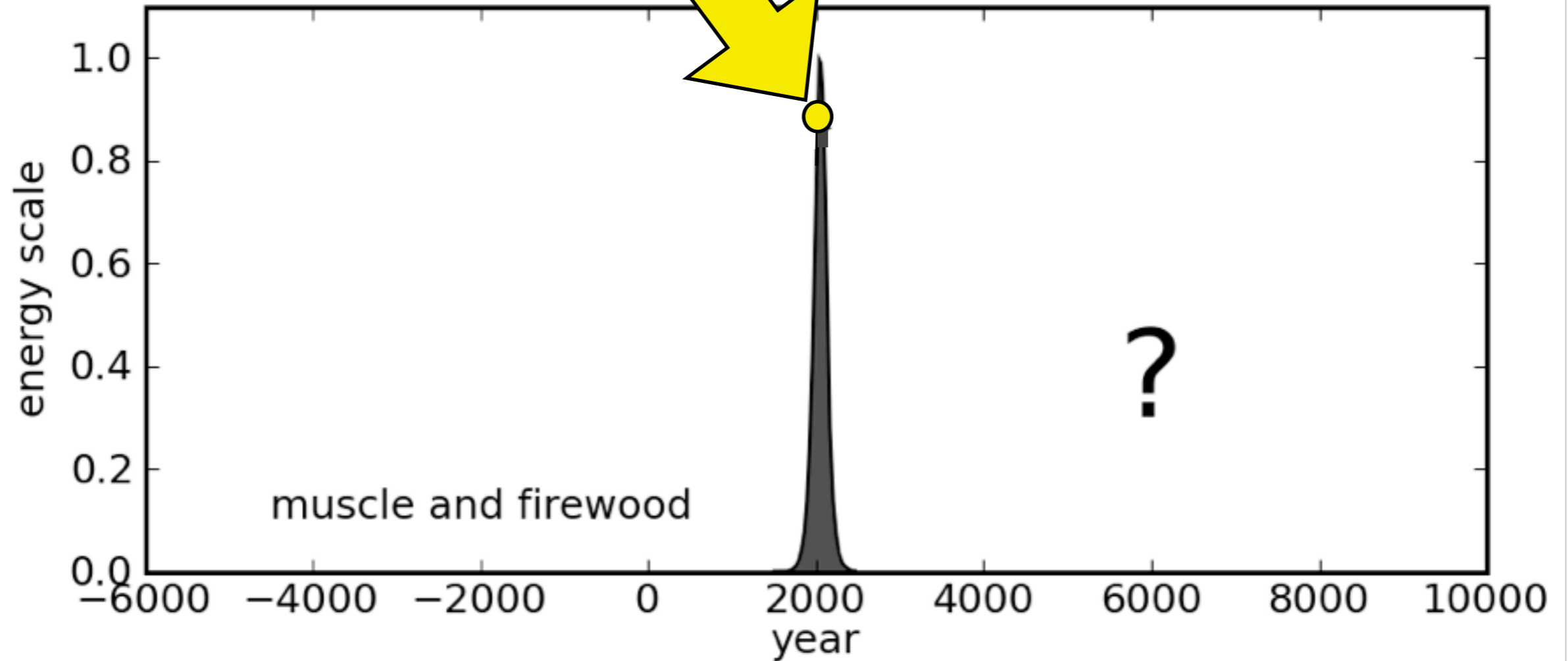


Figure: <http://physics.ucsd.edu/do-the-math>

15,000,000,000,000 watts



15,000,000,000,000 watts



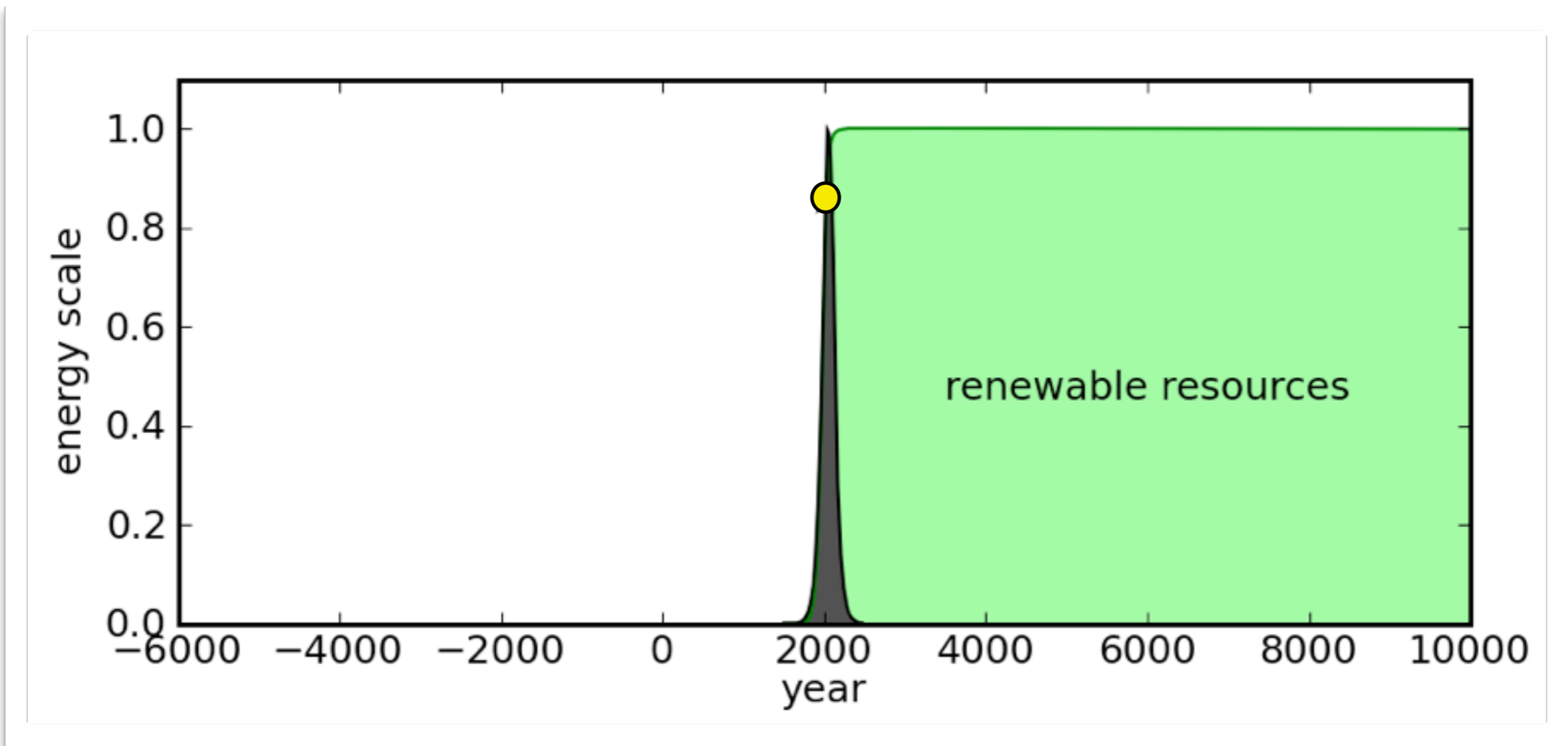


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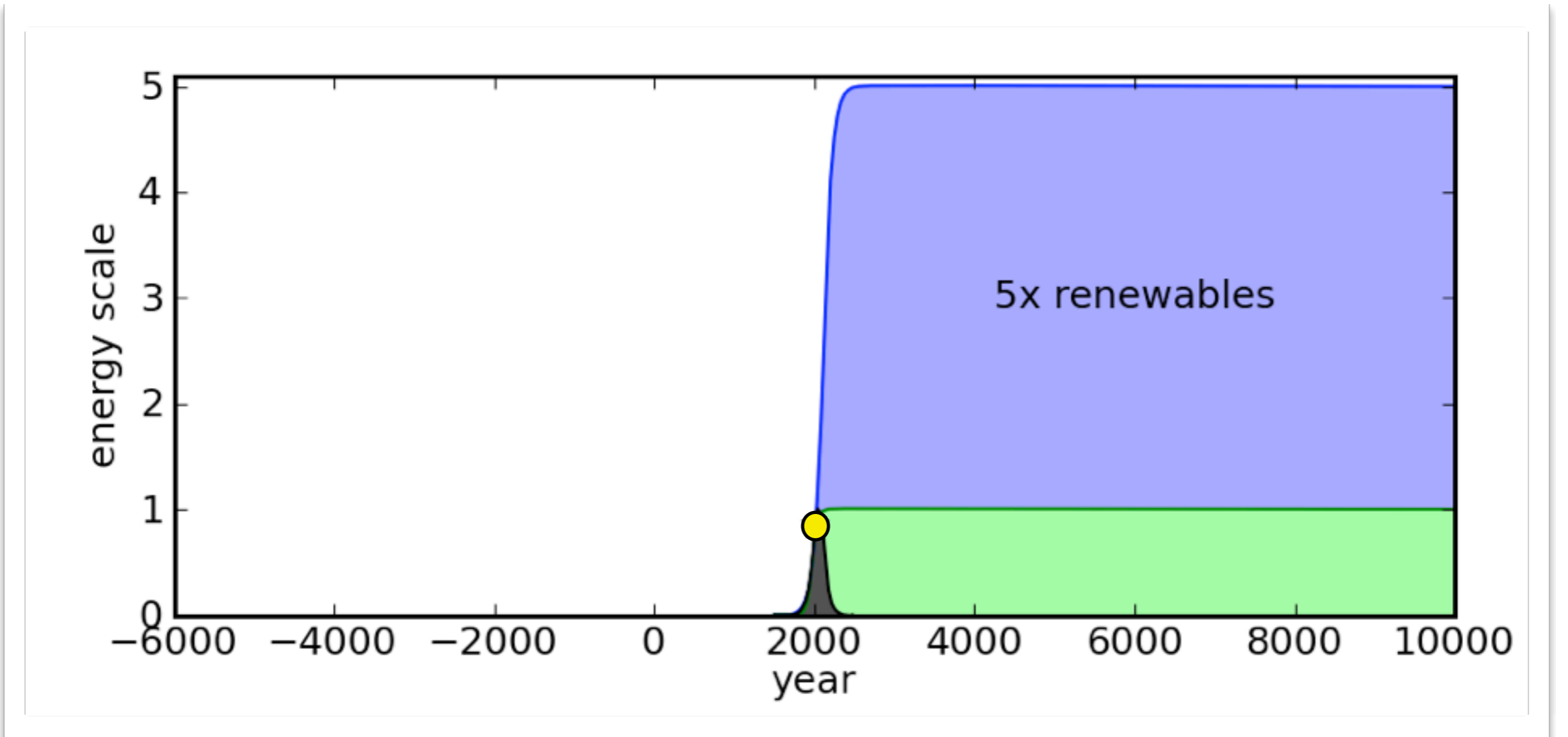
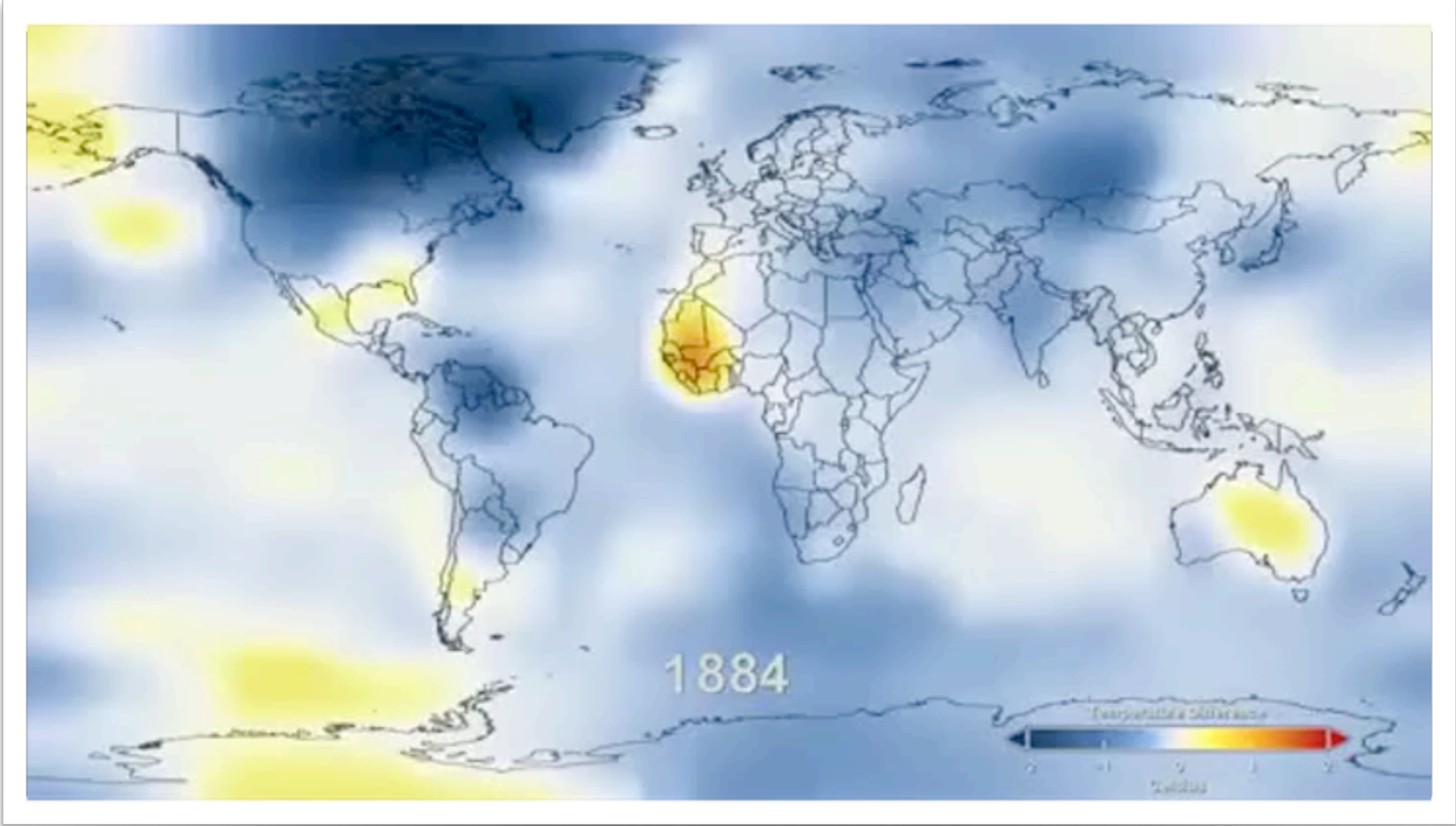


Figure: <http://physics.ucsd.edu/do-the-math>

Video: NASA



Video: NASA



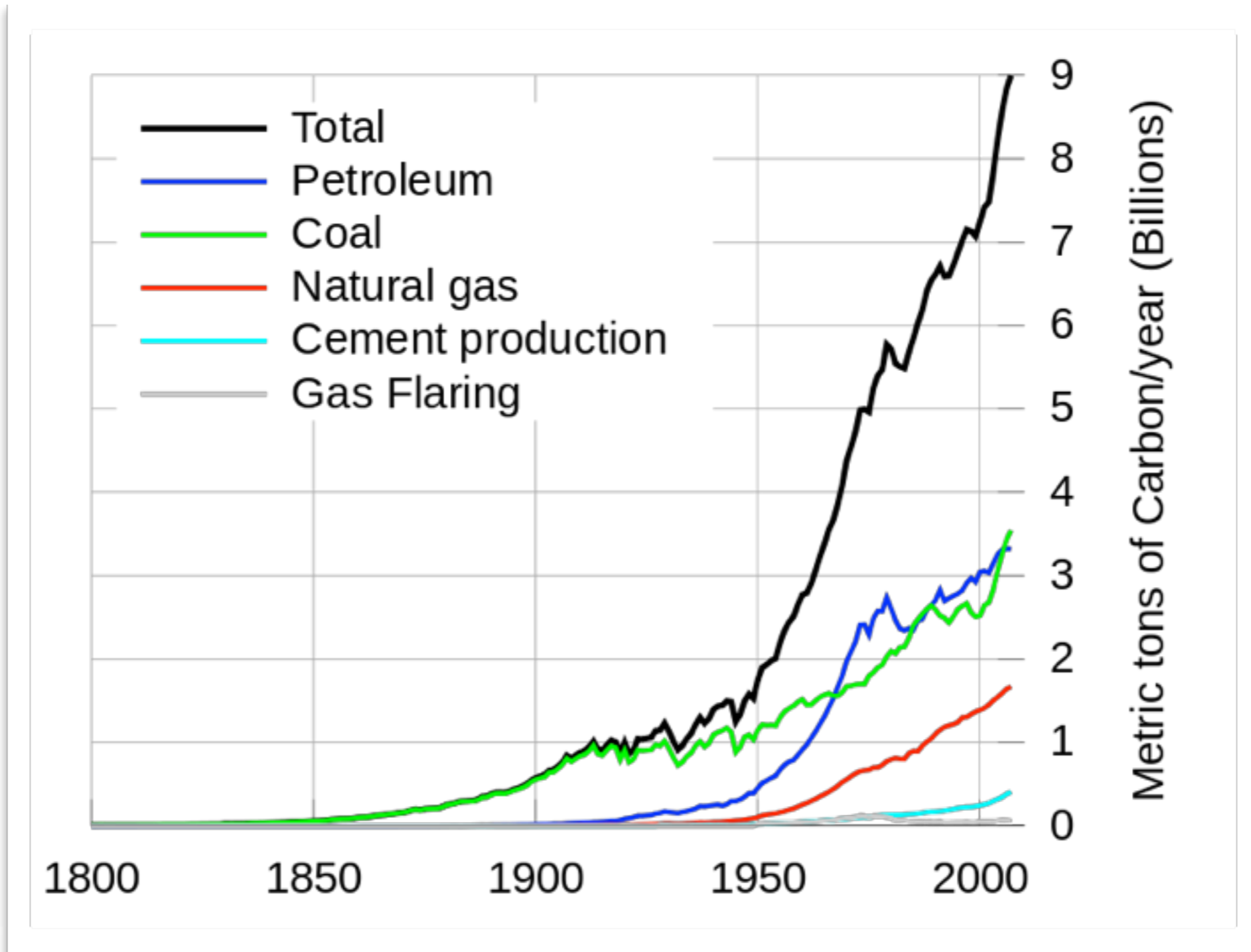


Figure: Wikipedia



Photo: Earth Sciences & Image Analysis Laboratory, Johnson Space Center.

**> 50% more food**





**> 50% more food**

**> 50% more water**



**> 50% more food**

**> 50% more water**

**> 50% more energy**

**> 50% more food**

**> 50% more water**

**> 50% more energy**

# Global Challenges Module

Spring 2013

80 students

8 guest lecturers











Image: The Economist



Image: The Economist



Image: The Economist

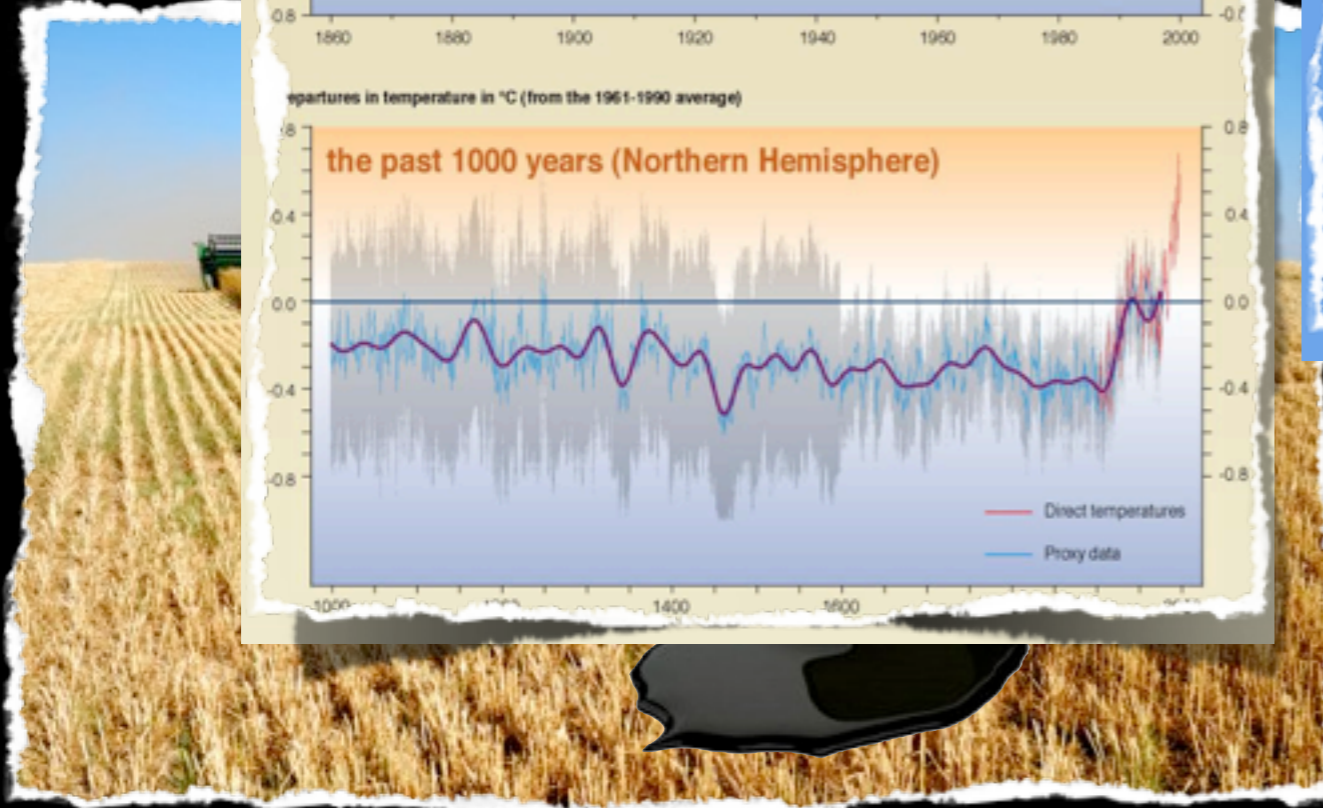
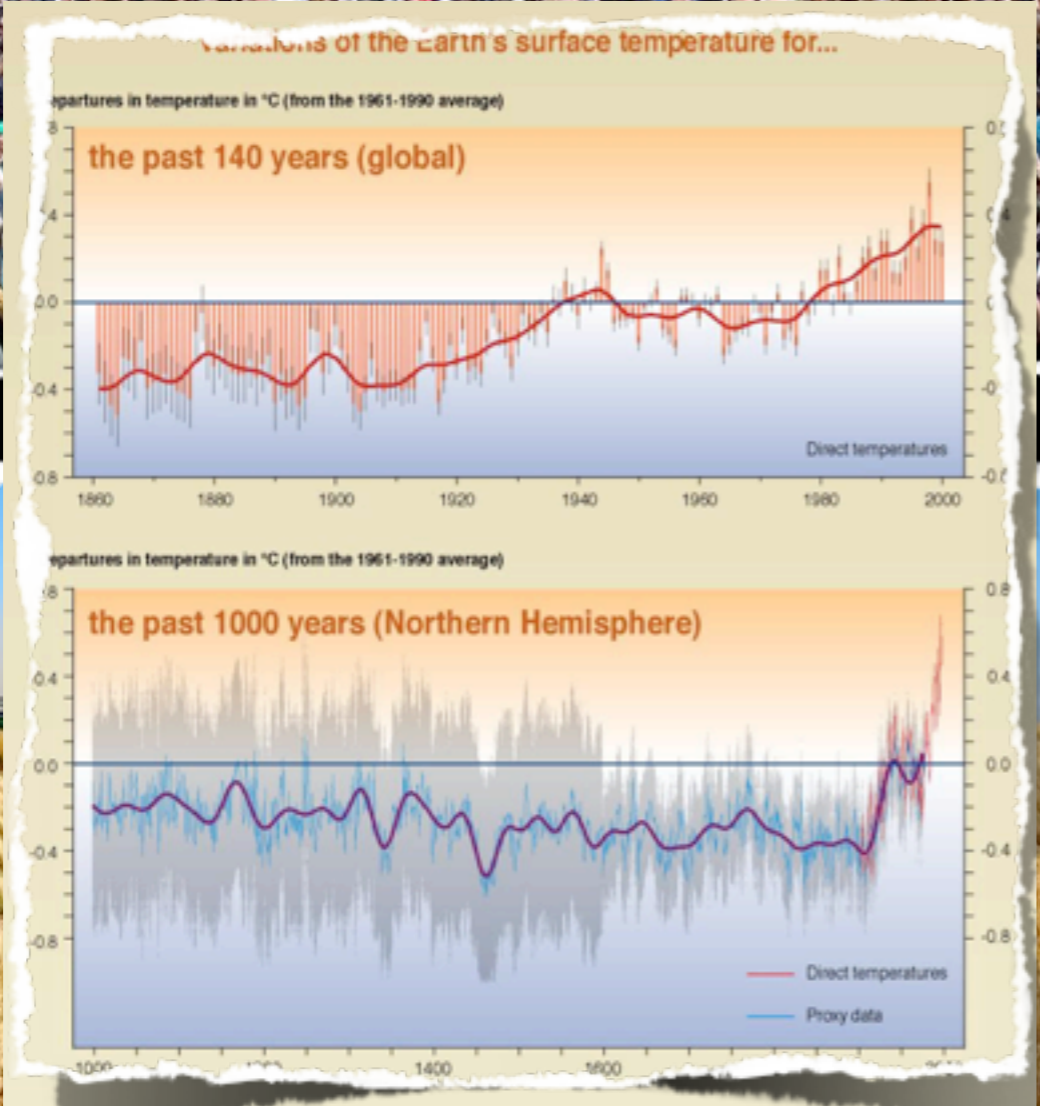
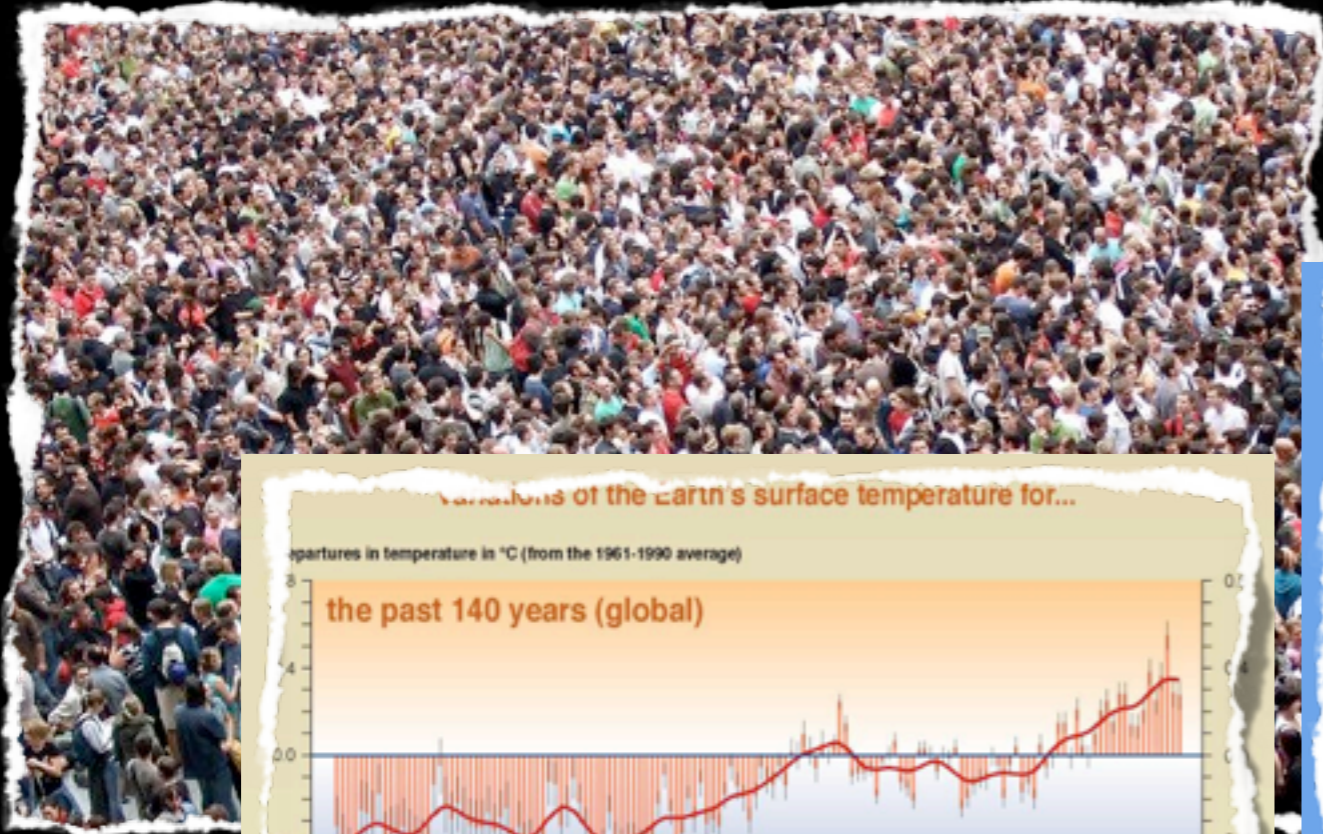


Image: The Economist







**AWESOME**  
Pure Awesome





**AWESOME**  
Pure Awesome





**TED<sup>x</sup>**

**SouthamptonUniversity**

**x = independently organized TED event**



[www.southampton.ac.uk/globalchallenges](http://www.southampton.ac.uk/globalchallenges)

[www.jamesgdyke.wordpress.com](http://www.jamesgdyke.wordpress.com)