



Understanding Global Warming

... in The Kingdom of Denmark

Reference list.

References and background information to the report - Understanding Global Warming

<http://danskbiomethanol.dk/Papers/Understanding%20Global%20Warming.pdf>

	<p>Figure 1. Identifying natural contributions to late Holocene climate change; Ole Humlum, Jan-Erik Solheim, Kjell Stordahl; Pages 145-156 Global and Planetary Change; http://www.starch.dk/private/energy/img/LateHoloceneClimateChange.pdf</p>	<p>Overlay with historical events for better understanding the time axis</p>
	<p>Figure 2 Figure 6.2.3.1. Annual mean temperatures 1873-2013, Denmark, The Faroes and West Greenland. DMI Technical Report 14-05; The Faroe Islands - DMI Historical Climate Data; Collection 1873-2013 -with Danish Abstracts; John Cappelen (ed) https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/tr14-05.pdf</p>	
	<p>Figure 3 Met Office Hadley Centre Central England Temperature Data, - the longest existing instrumental meteorological record. https://www.metoffice.gov.uk/hadobs/hadcet/</p>	
	<p>Figure 4 PSMSL Mean Sea Level Port of Aarhus Permanent Service for Mean Sea Level (PSMSL) https://www.psmsl.org/data/obtaining/stations/76.php</p>	<p>This database holds information for most ports of the world.</p>
	<p>Figure 5 Annual Precipitation Jutland & Islands (DK); DMI; https://www.dmi.dk/klima/temaforside-klimaet-frem-til-i-dag/nedboer-og-sol-i-danmark/</p>	<p>Dataset may be downloaded</p>



	<p>Figure 6 Precipitation Intensity Silkeborg Water Works Data file received from Silkeborg Forsyning. The file has 11.000 records – one for each shower – with intensity and quantities by time intervals. + personal communication</p>	<p>Ing. Troels Hosbjerg has extracted the cloudburst data</p>
	<p>Figure 7 Storm Intensity Index, Denmark Storms are summed as vcategory; DMI, STORMS IN DENMARK SINCE 1891 https://www.dmi.dk/fileadmin/user_upload/Bruger_upload/Stormlisten/STORMS_IN_DENMARK_SINCE_1891.pdf</p>	<p>Cat. 4 storms are counted as 2, cat. 3 as 1,7; cat. 2 as 1,4 thus weighting storms acc. to their intensity</p>
	<p>Figure 8 Sunshine - DMI https://www.dmi.dk/klima/temaforside-klimaet-frem-til-i-dag/nedboer-og-sol-i-danmark/</p>	<p>Dataset may be downloaded</p>
	<p>Figure 9 Crop yield for industrial potatoes in Jutland Denmark Statistics (Høstudbytter) + personal communication with Lars Bødker, Landskonsulent for Kartoffelavl, Agro Food Park, Aarhus</p>	<p>Potatoes is the most feasible industrial crop on sandy looms in Jutland. Now potatoes grow better than ever</p>
	<p>Figure 10 Kingdom of Denmark – Population Denmark Statistics</p>	
	<p>Freeman Dyson Freeman Dyson on the Global Warming Hysteria April 2015 https://www.youtube.com/watch?v=BiKfWdXXfls</p>	<p>Several Freeman Dyson interviews are available as videos.</p>
	<p>George Andrew Olah was awarded a Nobel Prize in Chemistry in 1994 - an honorary member of the Danish Methanol Association. Beyond Oil and Gas: The Methanol Economy, Third Edition</p>	<p>Methanol as a transportation fuel is special to him.</p>
	<p>Figure 1 Addendum IPCC. Simplified schematic of the global carbon cycle. Numbers represent carbon mass and exchange fluxes in Gt (Pg) carbon per year. https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter06_FINAL.pdf</p>	



	<p>Figure 2 Addendum</p> <p>http://ilkkah.com/population-calculator/</p>	
	<p>Figure 3 Addendum</p> <p>Carbon Cycling and Biosequestration Integrating Biology and Climate Through Systems Science; Report from the March 2008 Workshop, US Department of Energy</p> <p>https://genomicscience.energy.gov/carboncycle/report/CarbonCycle012609HR.pdf</p>	<p>IPCC uses identical data – see Figure 1 Addendum</p>
	<p>Figure 4 Addendum</p> <p>The Egtved Girl, Karin Margarita Frei, National Museum of Denmark + personal communication</p>	<p>Dr. Karin Frei confirms the Minoan warm period as warmer than today.</p>
	<p>Figure 5 Addendum</p> <p>DMI Temperature and sunshine. The temperature rose 1.7 °C at the end of the 20th century.</p>	<p>We also got ca. 350 more hours of sunshine – never mentioned.</p>
	<p>Figure 6 Addendum</p> <p>Iskanten i Barentshavet. Av Jan-Erik Solheim, Stig Falk-Petersen og Ole Humlum, Opprettet 15.01.2016</p> <p>http://www.geoforskning.no/nyheter/klima-og-co2/1117-iskanten-i-barentshavet</p>	
	<p>Figure 7 Addendum</p> <p>Sunshine and Temperature in Denmark</p> <p>DMI</p>	<p>Data identical to figure 4 Addendum. Sunshine and warmth are companions</p>

General Background

	<p>STATE OF THE CLIMATE 2018 by Ole Humlum</p> <p>https://www.thegwpcf.org/content/uploads/2019/04/StateofClimate2018.pdf</p> <p>+ personal communication</p>	
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	<p>FORCE MAJEURE The Sun's Role in Climate Change by Henrik Svensmark</p> <p>https://www.thegwpcf.org/content/uploads/2019/03/SvensmarkSolar2019.pdf</p>	
	<p>Valentina Zharkova. One of the Most IMPORTANT GSM Interviews EVER - The Grand Solar Minimum Channel https://www.youtube.com/watch?v=TEJ2bBpy7pk + personal communication</p>	<p>Great interview. She will turn out to be one of the towering figures of our times.</p>
	<p>Zharkova, Valentina, Shepherd, S. J., Zharkov, S. I. and Popova, E. (2019) Oscillations of the baseline of solar magnetic field and solar irradiance on a millennial timescale. Scientific Reports, 9 (1). p. 9197. ISSN 2045-2322. https://www.nature.com/articles/s41598-019-45584-3</p>	<p>She states heretically the distance Earth to Sun is affected by the large planets. She proves Super Grand Solar Cycles.</p>
	<p>Zharkova Cycles. Post received July 24. 2019 from Valentina Zharkova. http://www.starch.dk/private/energy/img/VZ_response%20July%202019.pdf</p>	<p>As sun orbits solar system barycenter earth-sun distance changes.</p>
	<p>Nir Shaviv, ICCC13 (Panel 1: Scientific Observations) 2019 https://www.youtube.com/watch?time_continue=4&v=a--kc5dbvyQ</p>	<p>Close cooperation with our Henrik Svensmark</p>
	<p>Roy Spencer, ICCC13 (Panel 1: Scientific Observations) 2019 https://www.youtube.com/watch?time_continue=1&v=X1BAhfjH4g4</p>	
	<p>Professor Tom Segalstad, University of Oslo CO₂ Isotopes & Ocean Acidification ICCC4 2010 https://www.youtube.com/watch?time_continue=1&v=aYm6Hv9ZOu</p>	<p>The equilibrium of CO₂ in the sea-air interface follows Henry's law.</p>
	<p>Correct Timing is Everything - Also for CO₂ in the Air http://www.co2science.org/articles/V12/N31/EDIT.php</p>	<p>Guest Editorial by Tom V. Segalstad</p>
	<p>Unstoppable Solar Cycles https://www.youtube.com/watch?v=zDOgWeTAas0&feature=youtu.be&fbclid=IwAR1TwCpIGMQ8Uu8Bulqu9u-RnbnF9EPjqdCJ2vU3OCH_oD4v1v6VWEjpeqs</p>	<p>For educational purposes</p>

Lt August 22, 2019



The Egtved Girl



During the Minoan Warm Period, the weather was warmer than today, both in Greenland and in Jutland. Our Egtved Girl¹ walked barefoot wearing a light and airy cord skirt - fashion at a time with nice and warm weather all summertime. Now we are living at the beginning of the Modern Warm Period and it should come as no surprise that the weather is getting more and more pleasant after several hundred years of cool and often bad weather during a time, we call The Little Ice Age. Don't worry. Prosperity and progress have always been linked to the warm periods and bad times to the cold periods.

¹ A summer day in 1370 BC. died an 18-year-old girl near Egtved in Jutland. We think she is the foster child of the local big farmer. Her grave expresses great devotion and esteem for her and her family. Dr. Karin Margarita Frei has shown that she was born in the Black Forest Germany and that she has twice visited home.