Geology and the Energy Transition

23 MAY 2019 Delft // the Netherlands



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Vitor Correia President, EFG





Photo from Thierry Berrod / Mona Lisa Production / Science Source

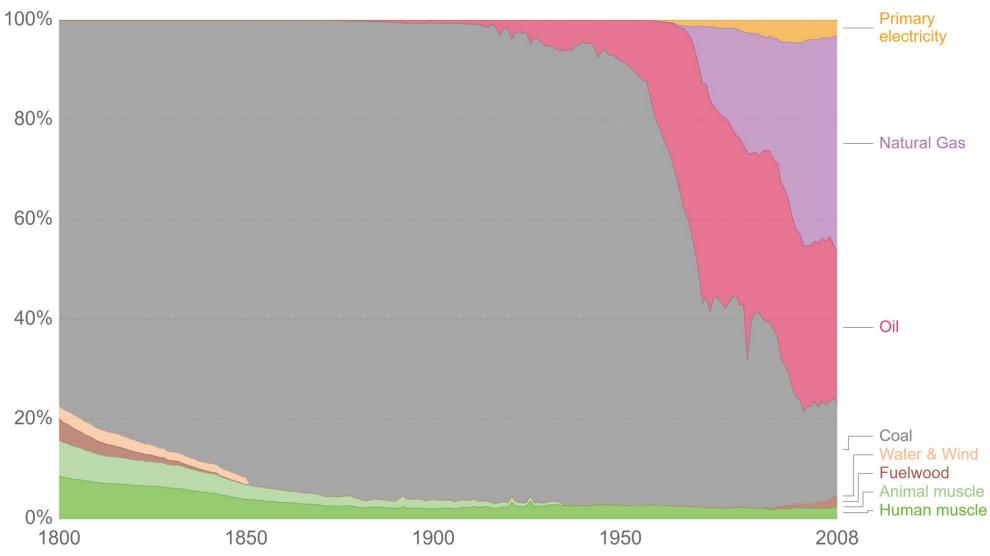
Photo from Wikimedia Commons: The Yorck Project (2002) 10.000 Meisterwerke der Malerei (DVD-ROM), distributed by DIRECTMEDIA Publishing GmbH. ISBN: 3936122202

Dowlais Ironworks by George Childs (1840). Photo retrieved from https://en.wikipedia.org/wiki/Dowlais_Ironworks

Long-term energy transitions, England & Wales



Share of primary energy by source over the long-term, measured as the percentage of total energy consumption. Primary electricity includes: hydropower, nuclear power, wind, photovoltaics, tidal, wave and solar thermal and geothermal (only figures for electricity production are included).

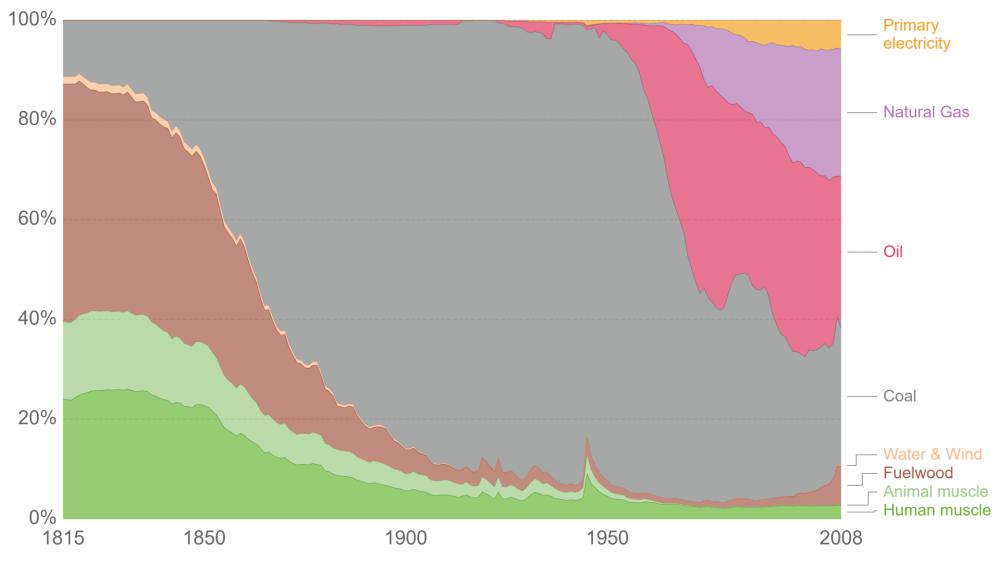


Source: Joint Center for History and Economics, Harvard University and University of Cambridge. Energy History. OurWorldInData.org/energy-production-and-changing-energy-sources/ • CC BY

Long-term energy transitions, Germany



Share of primary energy by source over the long-term, measured as the percentage of total energy consumption. Primary electricity includes: hydropower, nuclear power, wind, photovoltaics, tidal, wave and solar thermal and geothermal (only figures for electricity production are included).



Source: Joint Center for History and Economics, Harvard University and University of Cambridge. Energy History. OurWorldInData.org/energy-production-and-changing-energy-sources/ • CC BY

April 30, 2015



Photo from David McNew/AFP, retrieved from https://scroll.in/article/725876/can-elon-musks-wall-mounted-battery-solve-indias-power-crisis

August 20, 2018



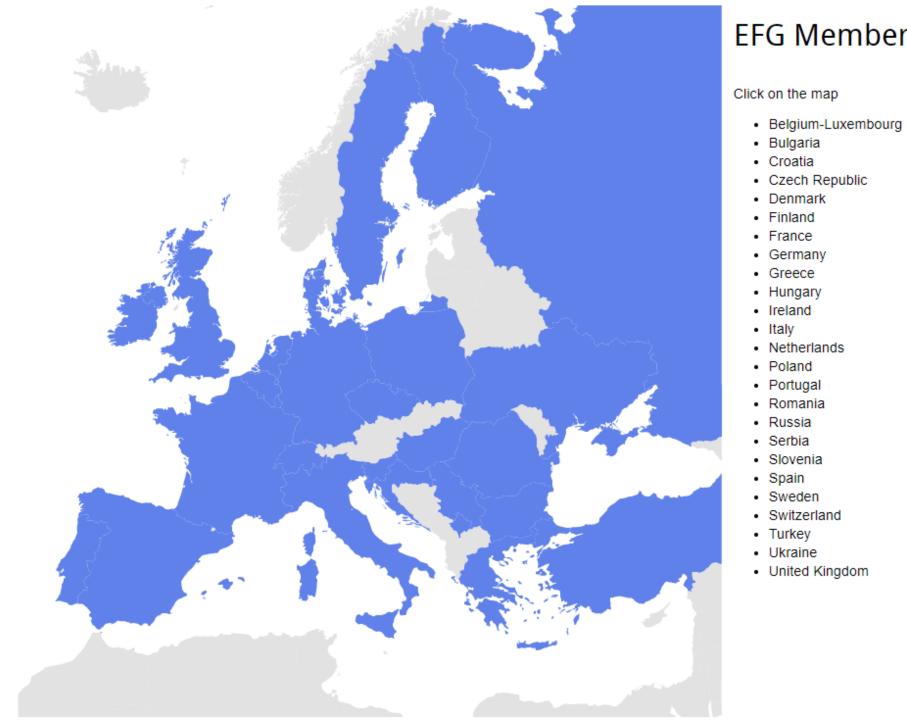
Image retrieved from https://twitter.com/gretathunberg/status/1091710612831432706













Mission

promoting excellence in the application of geoscience

creating public awareness of the importance of geoscience to society enhancing the cooperation between National Associations of geoscientists





Photo by SPIEGEL ONLINE 2013; Vattenfall's operations in the Lausitz region, retrieved from https://www.spiegel.de/international/germany/energy-giant-vattenfall-presses-on-with-coal-mine-expansion-plans-a-930828.html









Action Plans

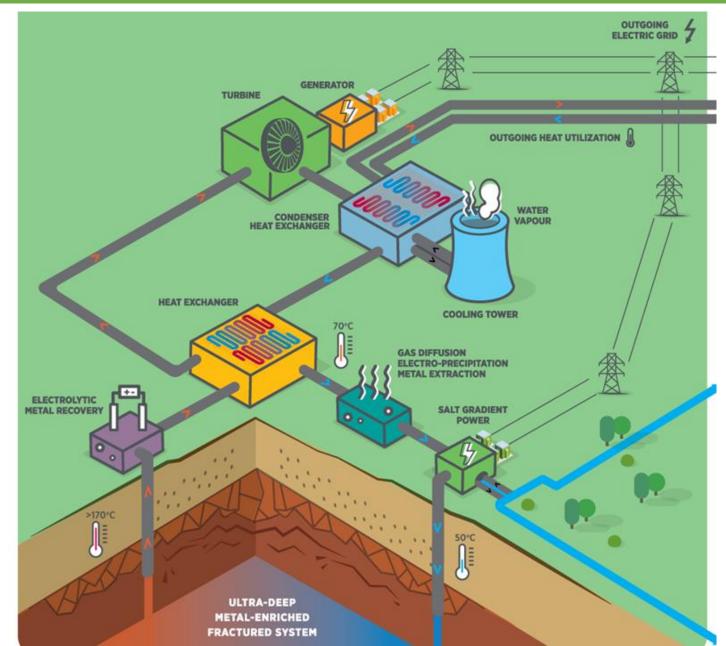
- 1. Developing and a strong NAs network 📥
- 2. Participation in the global community and maintaining international networks
- 3. Promotion of professional excellence
- 4. Enhanced geoscience communication and outreach
- 5. Provision of independent, trustworthy and reliable information on geoscientific issues
- 6. Participation in EU and international funded projects







CHPM 2030





thank you

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