



GLOBAL ENERGY CONSUMPTION AND THE IMPACT OF POLITICAL DECISIONS ON THE ENERGY BALANCE

Where does the world stand
in its endeavor to harness
climate-friendly energy?

Guessing
challenge:



Is there hope for the future?

They've known
it for 60 years

Fossil energy
consumption
since 1962

+ 430%

Advertisement in *Life* magazine February 2, 1962



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EACH DAY SUPPLIES ENOUGH ENERGY TO MELT 7 MILLION TONS OF GLACIER!

This giant glacier has remained unmelted for centuries. Yet, the petroleum energy Humble supplies—if converted into heat—could melt it at the rate of 80 tons each second! To meet the nation's growing needs for energy, Humble has applied science to nature's resources to become America's Leading Energy Company. Working wonders with oil through research, Humble provides energy in many forms—to help heat our homes, power our transportation, and to furnish industry with a great variety of versatile chemicals. Stop at a Humble station for famous Esso Extra gasoline, and see why the "Happy Motoring" Sign is the World's First Choice!

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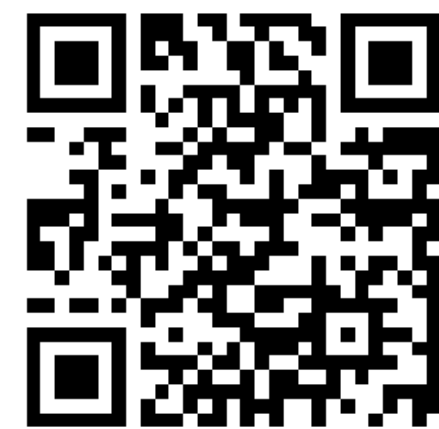
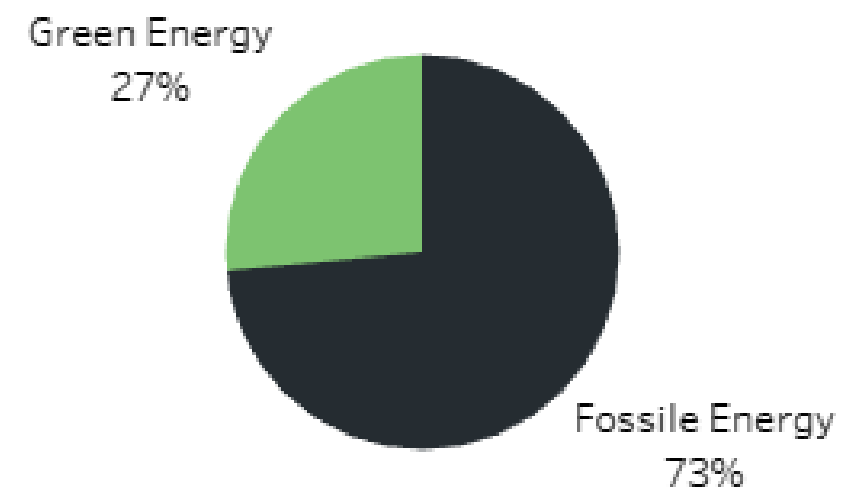


Global energy consumption

Energy consumption in 2019

26.515 Terawatt hours

Fossile vs. Green energy



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What is the most frequently used energy source?

Nuclear
☐ 0%

Gas
☐ 0%

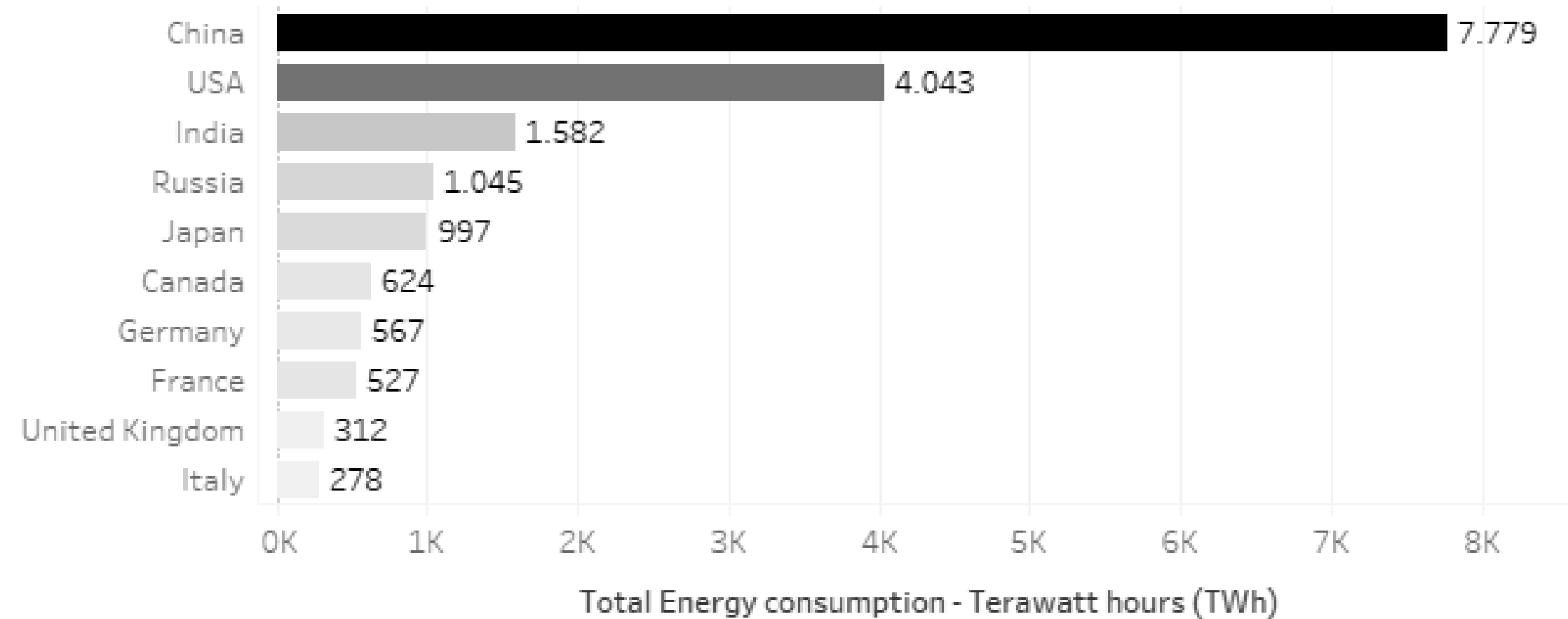
Coal
☐ 0%

Hydro
☐ 0%

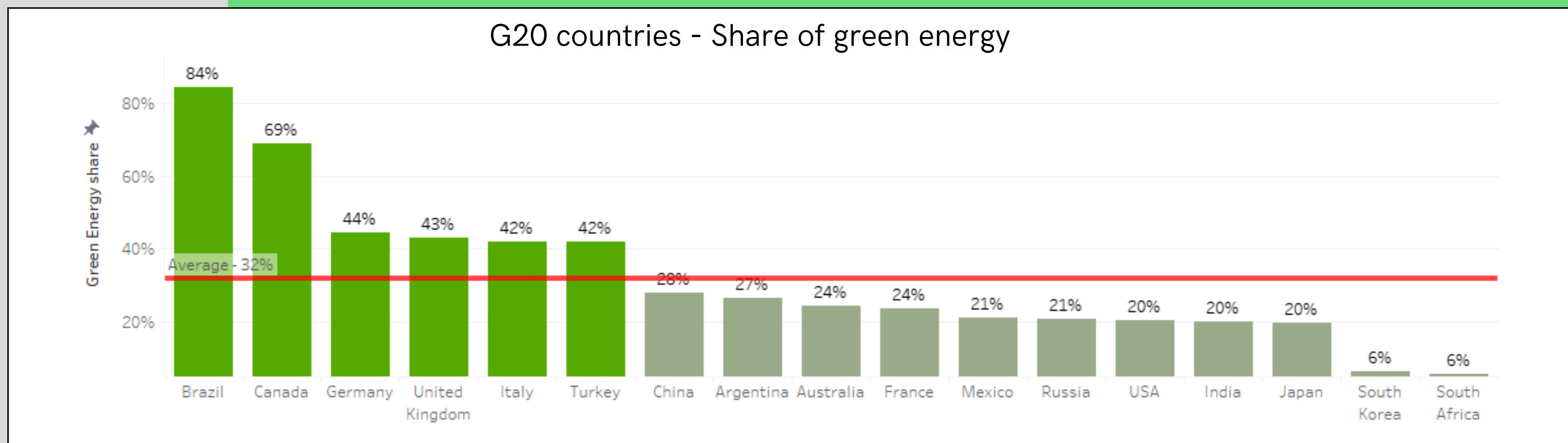
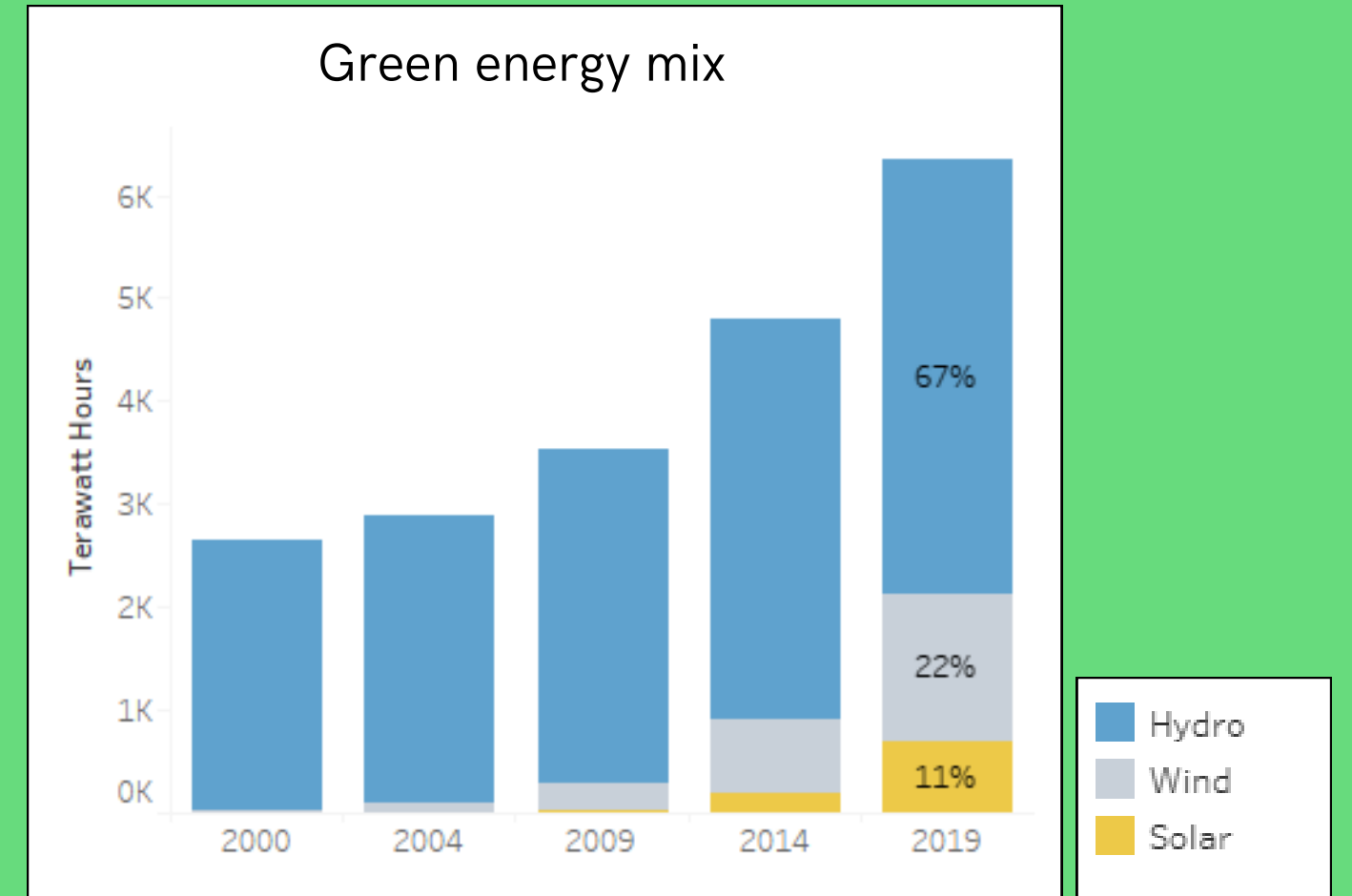
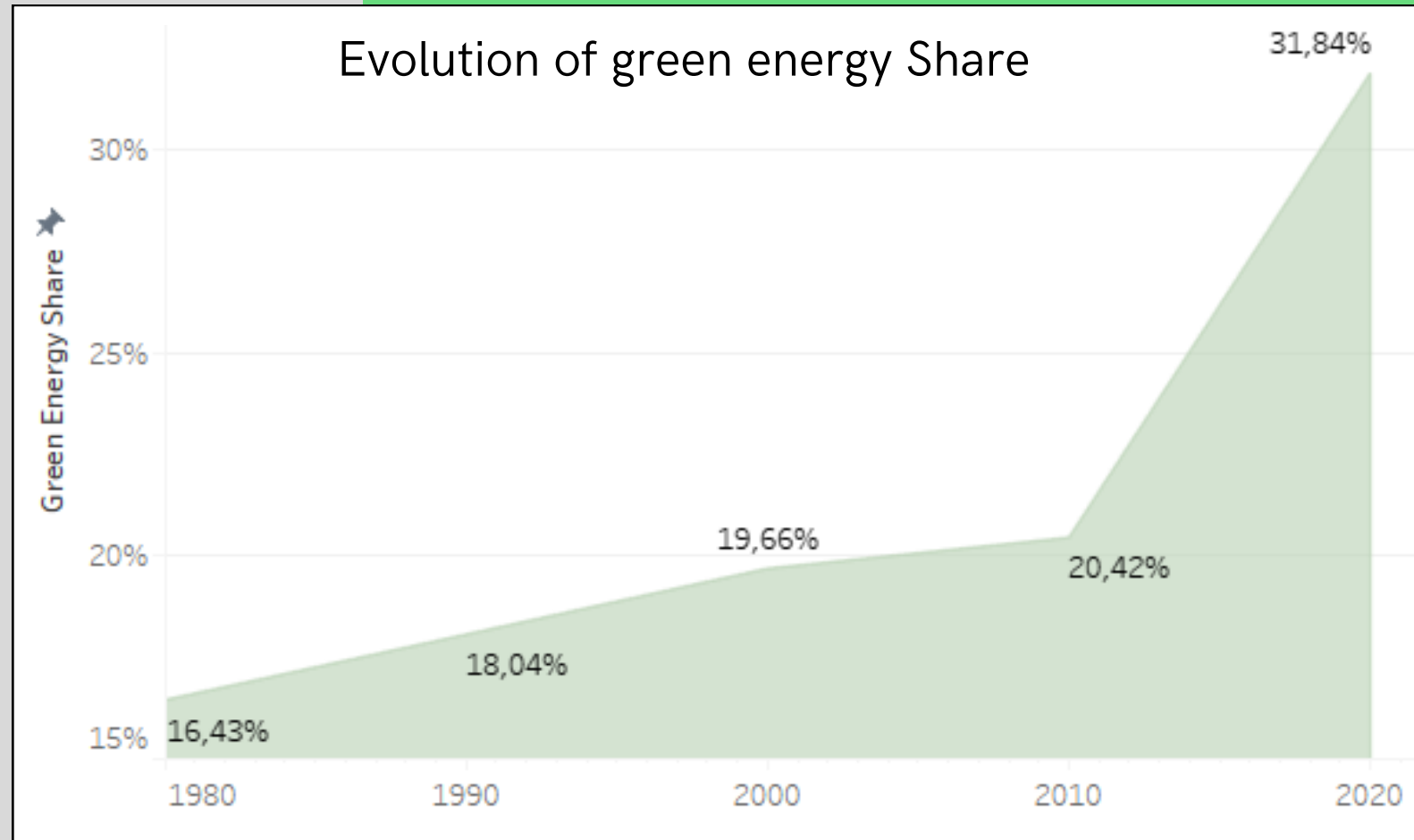
Global energy consumption



Giants of energy consumption: Top 10

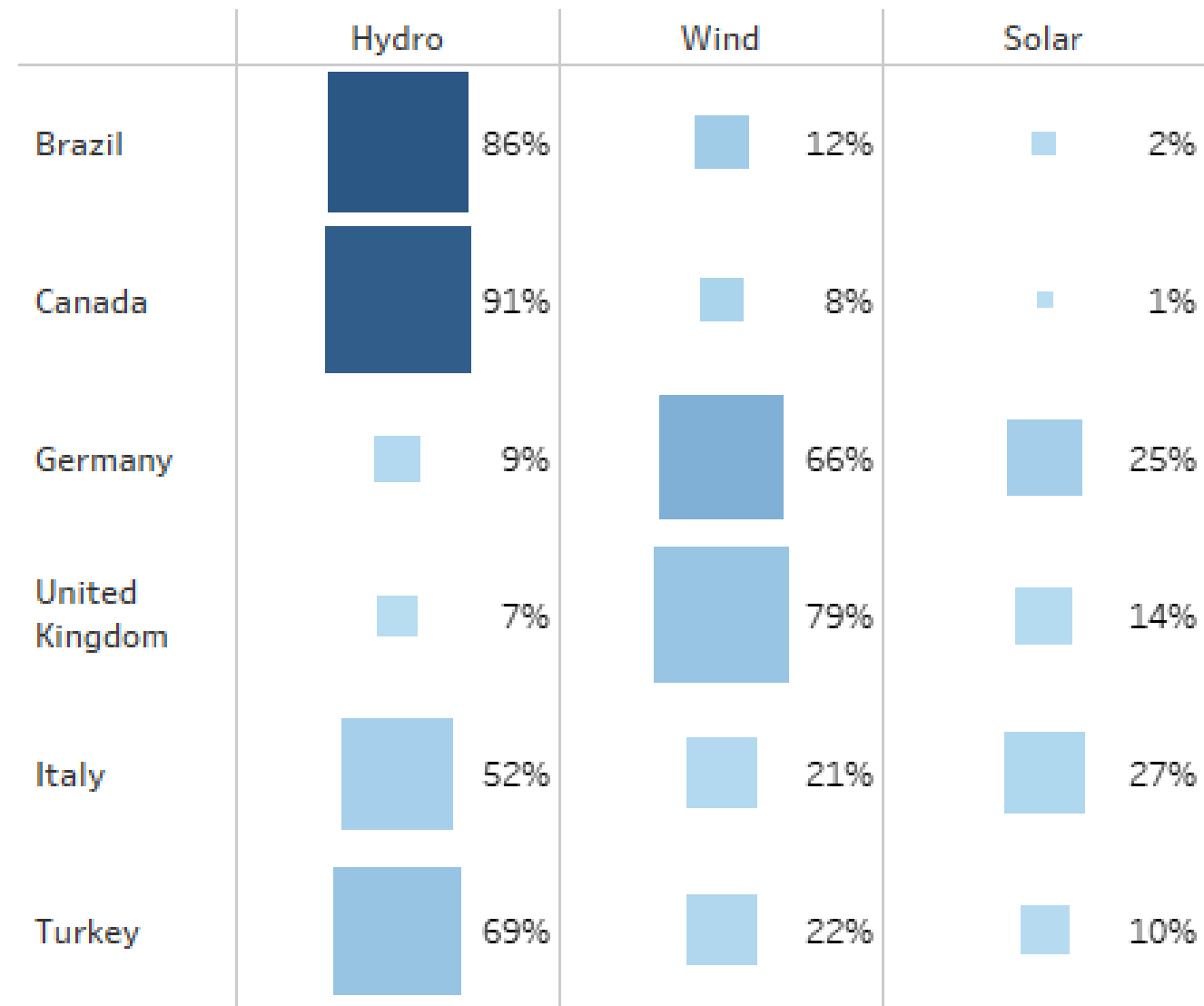


Trends in green energy

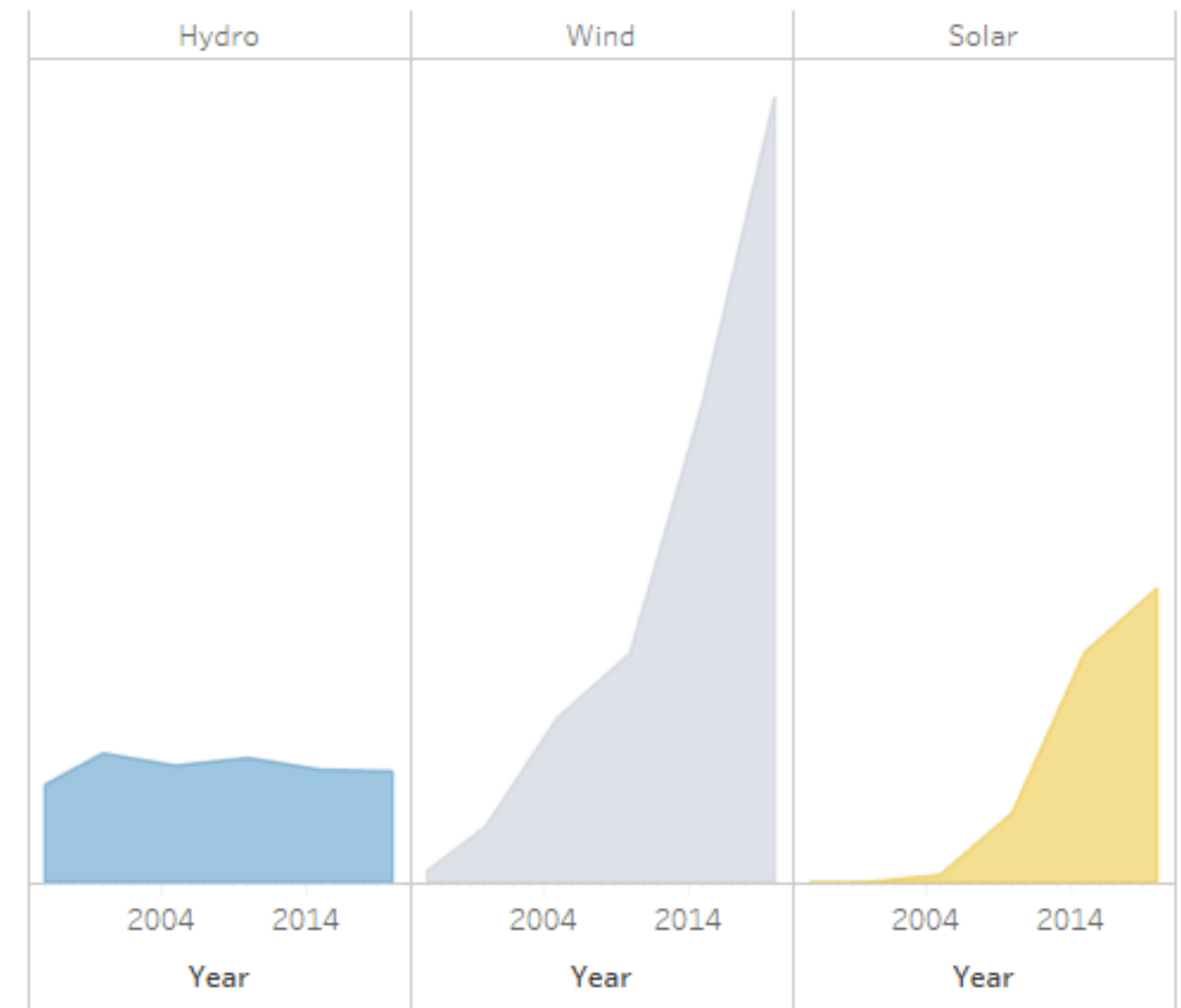


Germany`s status in green energy

Diversity of green energy in Top 6 countries

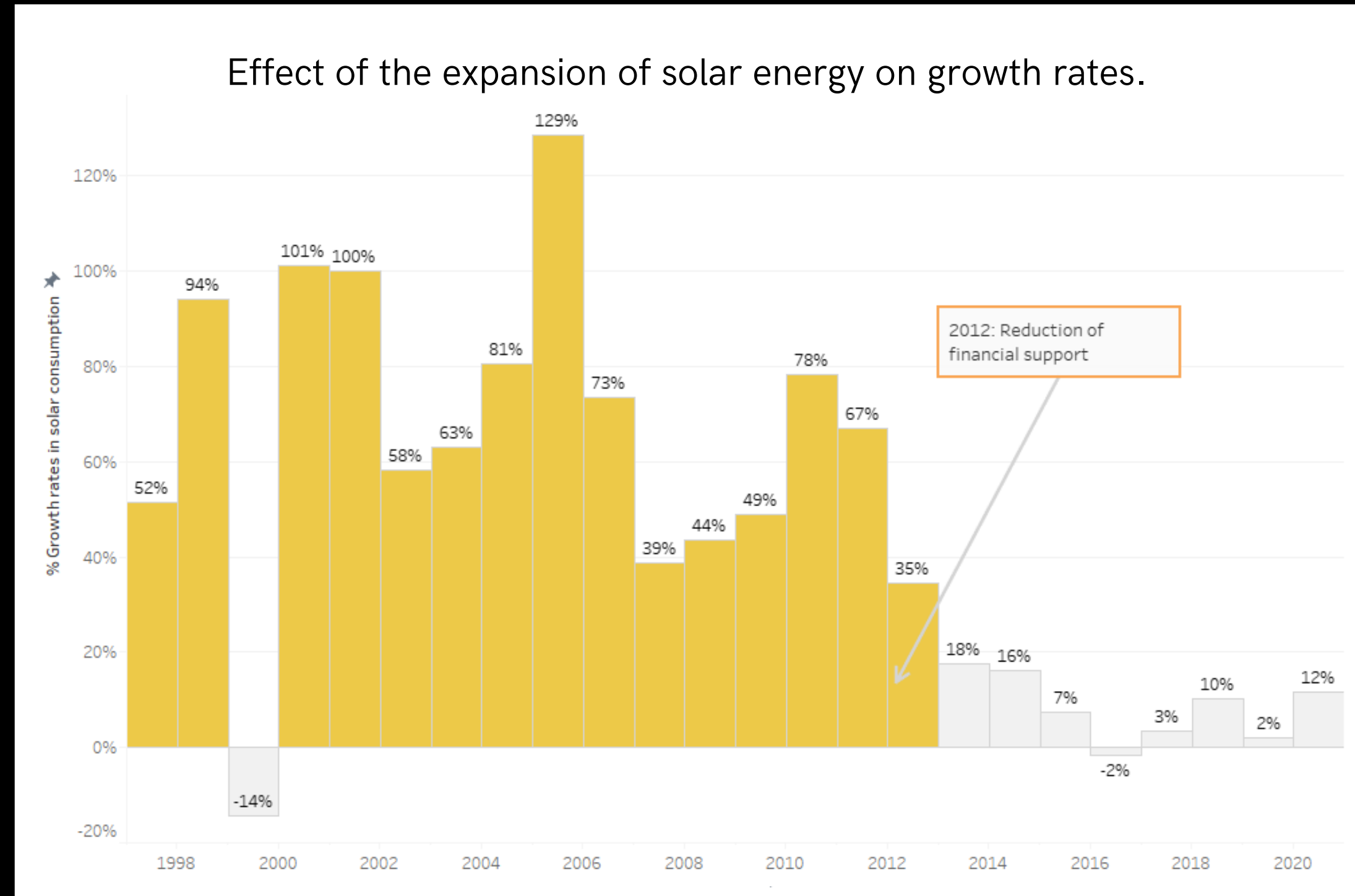


Development of green energy sources in germany

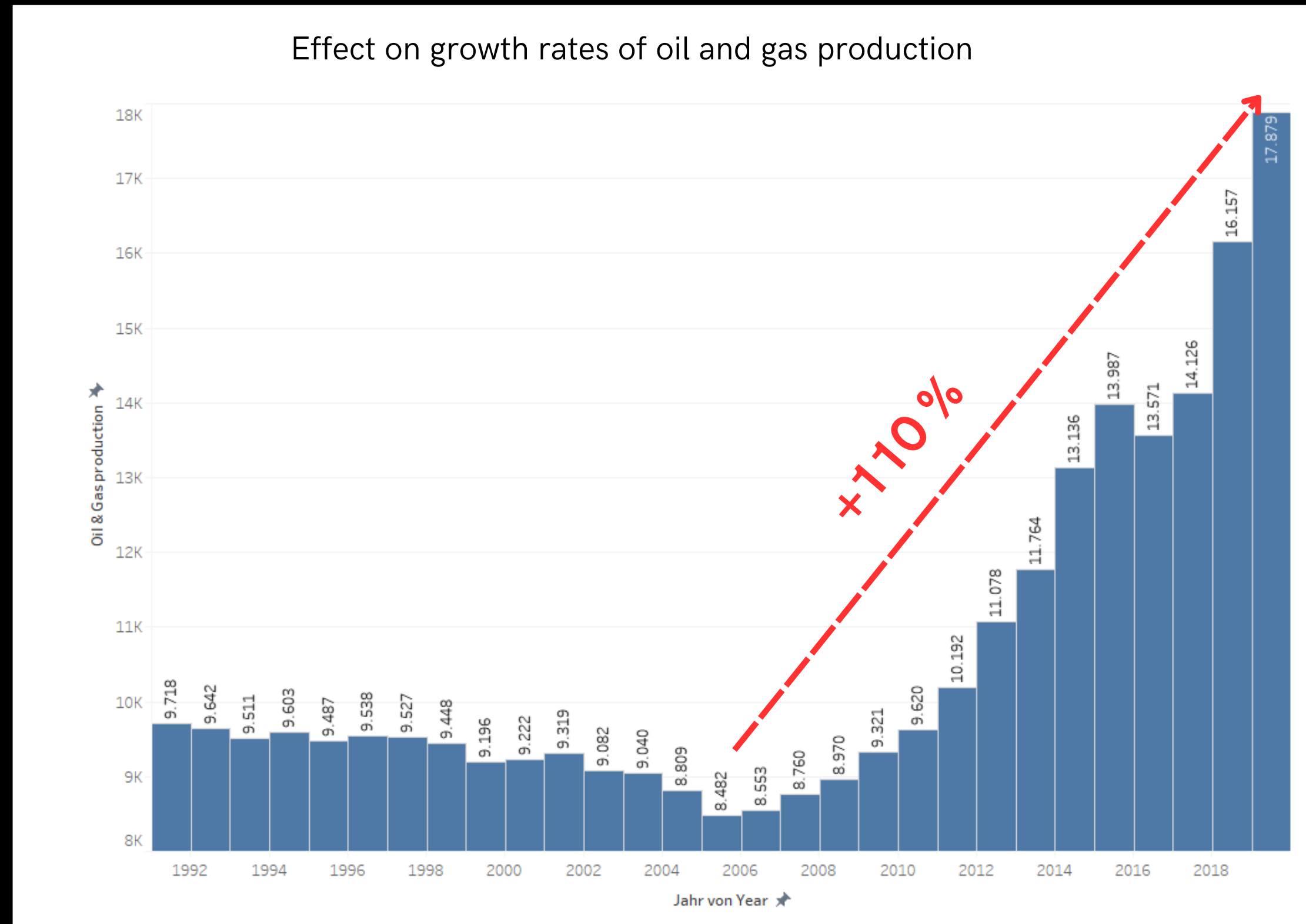


Impact of political decisions on the energy balance

German government cut of financial support for photovoltaic systems in 2012



US government permit fracking Oil & Gas in 2015



It's up to us!



Sven Deiwick - Data Analytics Graduation

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Thank you for your attention

Sources:

kaggle.com

ember-climate.org



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