UBT
جامعة الأعمال و التكنولوجيا
UNIVERSITY OF BUSINESS AND TECHNOLOGY

Asbar World Forum 2020
منتدى أسبار الدولي
إحدى مبادرات مركز أسبار
An Initiative of Asbar Center

Innovation and Energy Transition

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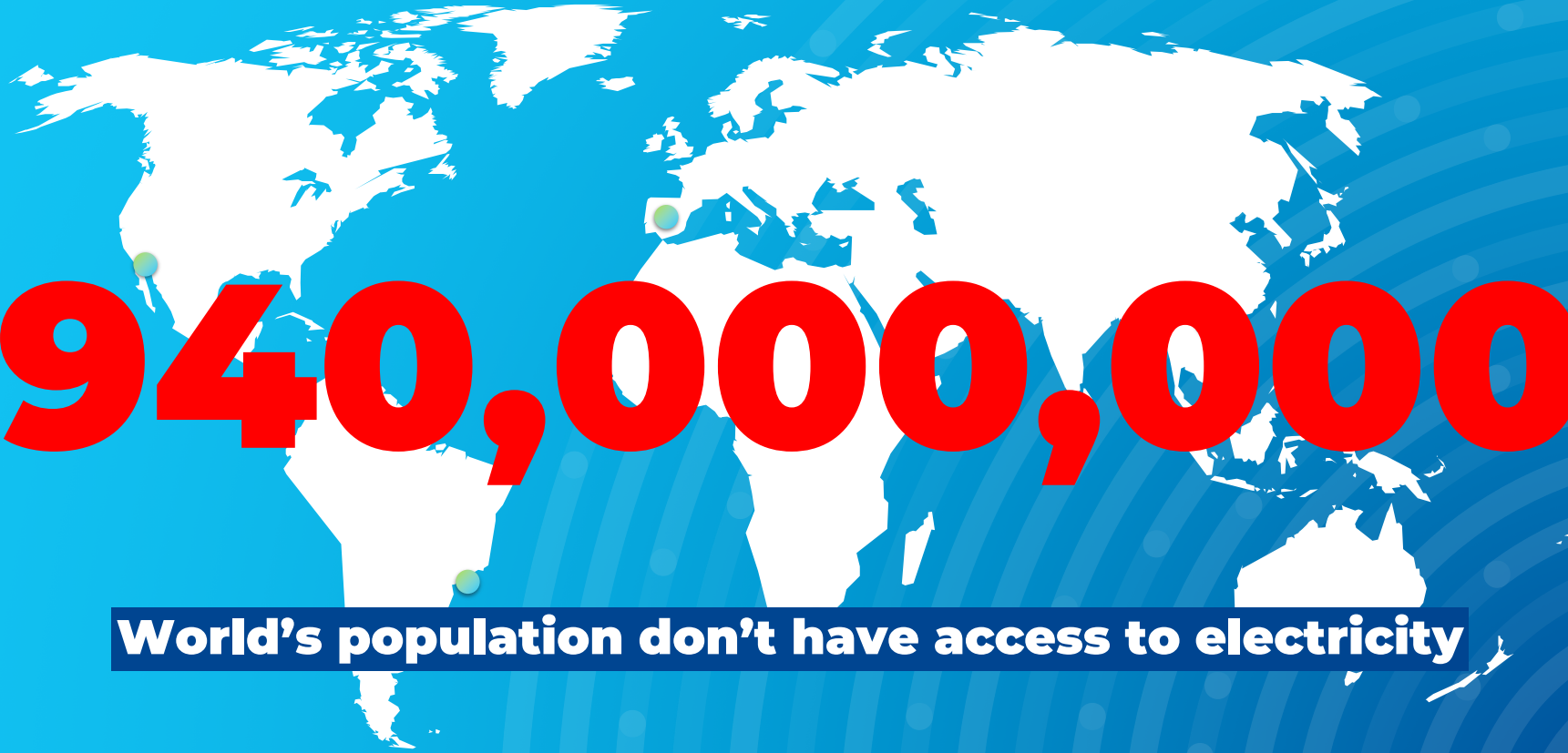
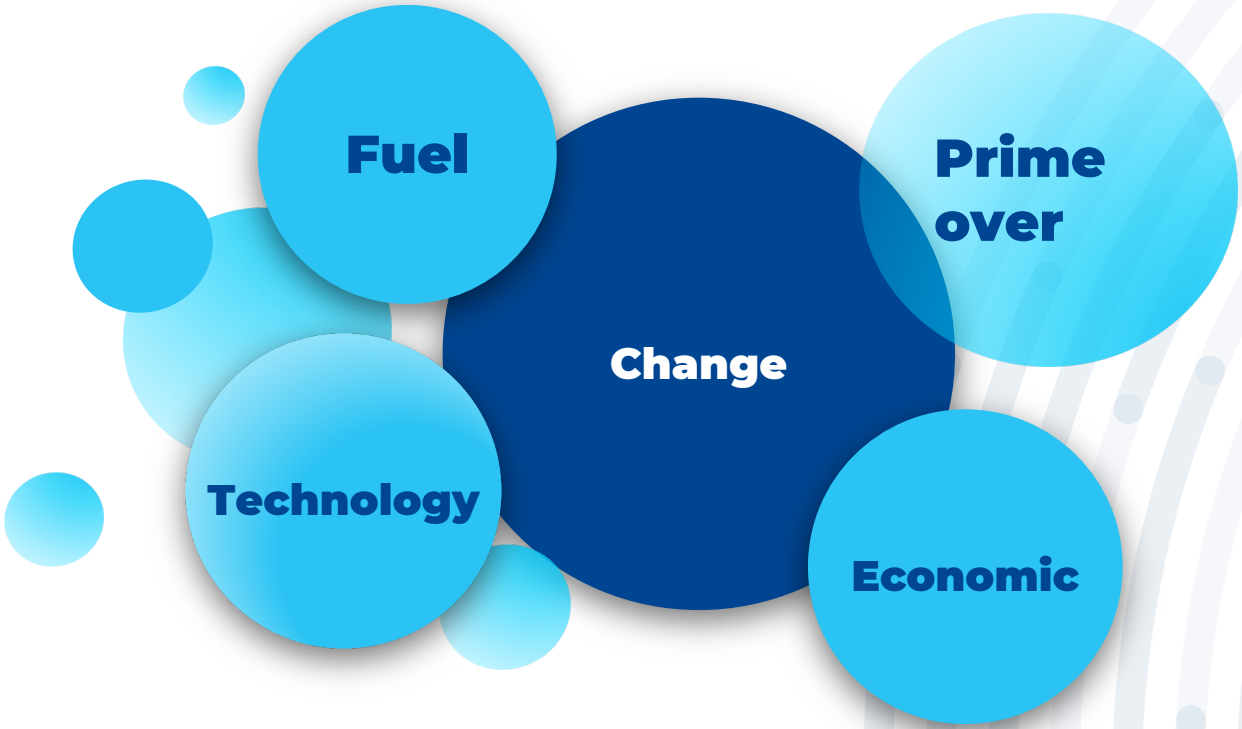


[1] https://ourworldindata.org/energy-access#:~:text=Citation-,Summary,to%20clean%20fuels%20for%20cooking.

What is an Energy Transition?



Why Energy Transition

Secure & affordable power to all

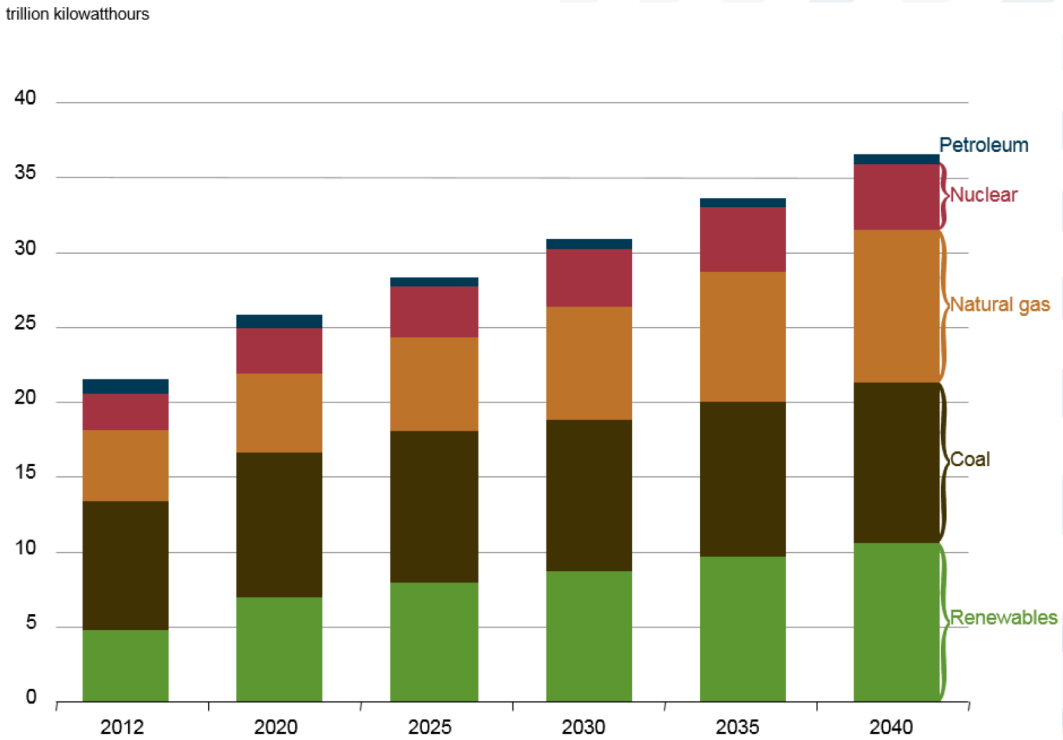
Reduce emissions and air pollution

Freeing government resource

Contribution to sustainable global goal

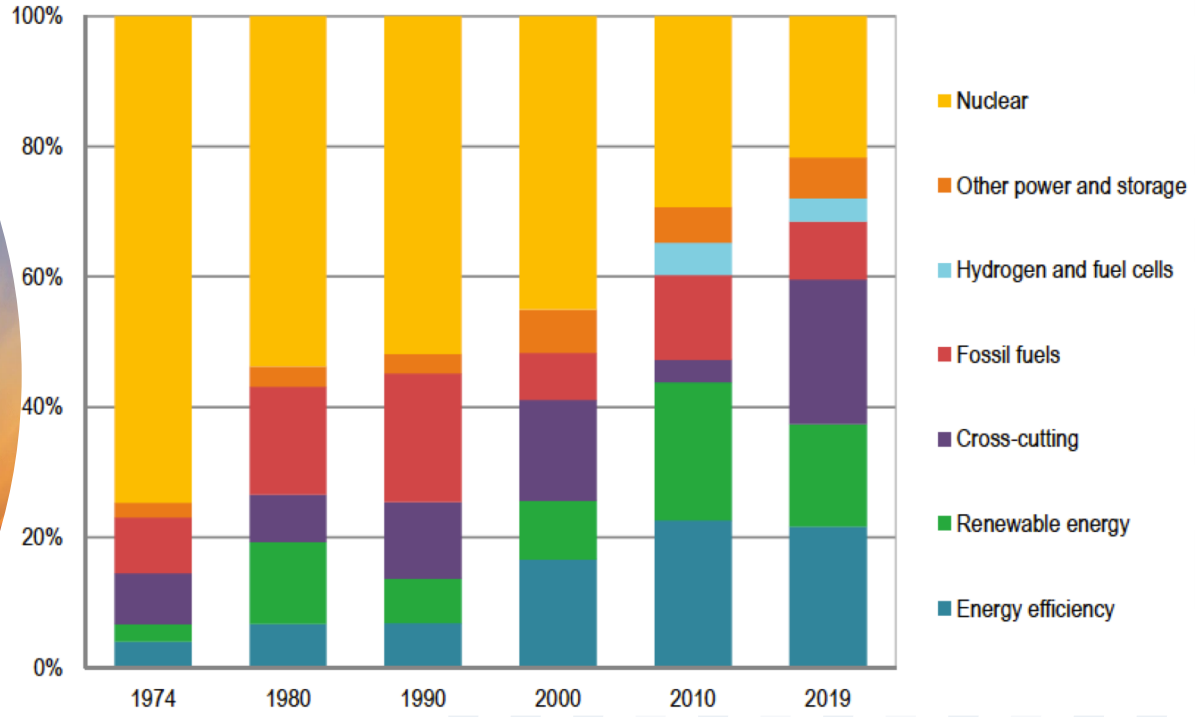
Increase welfare and growth

World total electricity generation 2012 - 2040



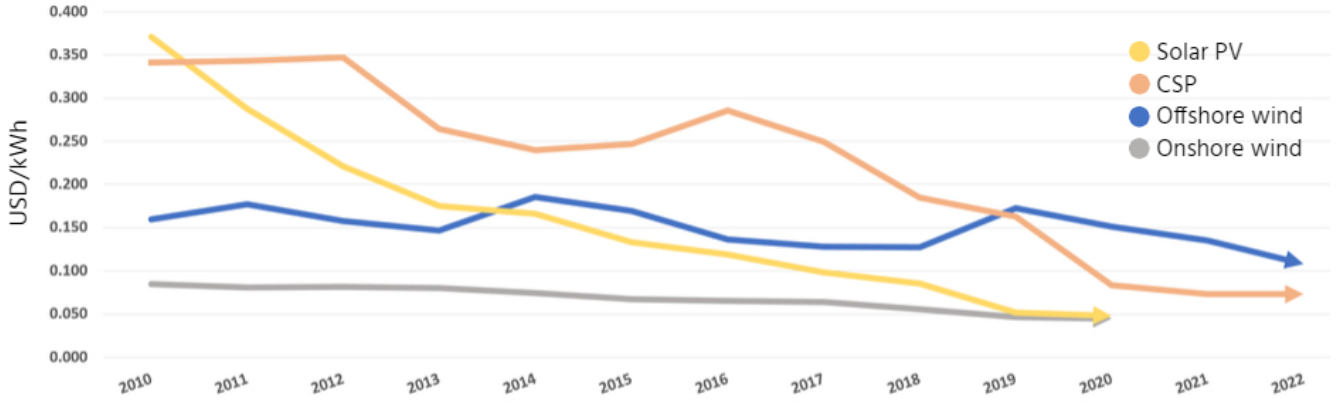
Innovation for the energy sector transformation

Evolution of IEA total public energy RD&D by technology



Cost of renewable energy

By 2020, **onshore wind** and **solar PV** will be a less expensive source of new electricity than the cheapest fossil fuel alternative.



RENEWABLE POWER GENERATION COSTS IN 2018

IRENA
International Renewable Energy Agency

Innovation gaps

- Renewable Energy Integration
- CO_2 Mitigation
- Energy Storage
- Energy Efficiency
- Electric Vehicle charging
- Smart meters

Recommendations

- Establishing an independent sustainable energy innovation fund for Starts up and R&D
- Developing and implementing energy technology road maps through public-private collaboration.
- The Ministry of Energy to organize a national prize to recognize most innovative and outstanding entrepreneurial solutions in energy technologies

“The world needs to develop sustainable technologies to meet climate goals such as improving energy efficiency

H.R.H Abdulaziz Bin Salman

Thanks!

Any questions?

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