

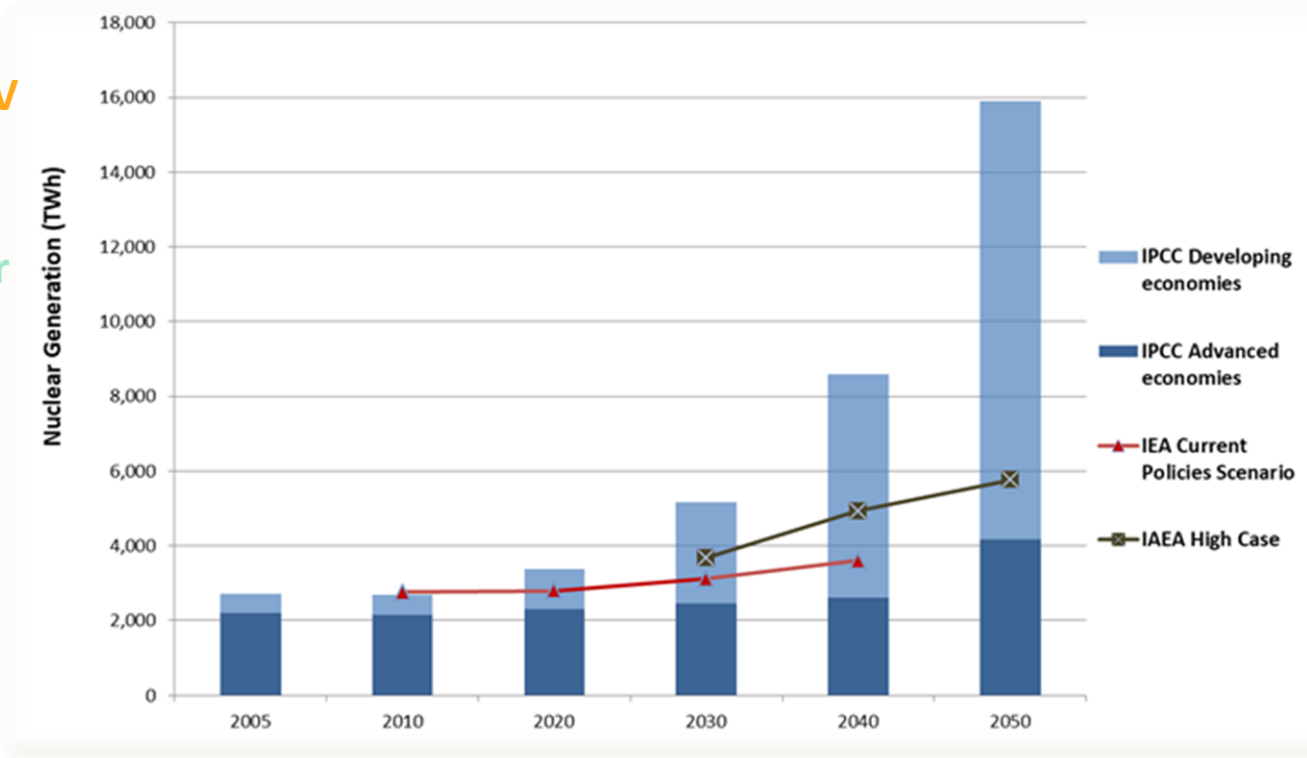
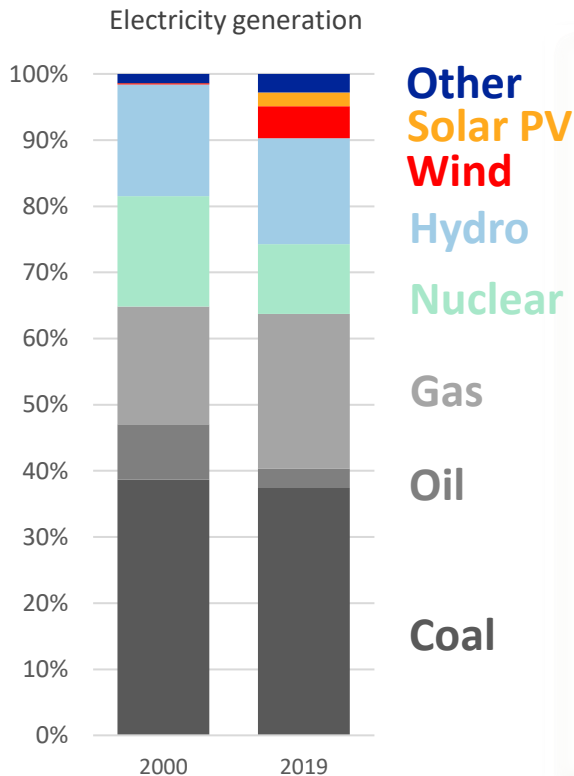
Role of nuclear energy in climate change mitigation



Dr. Sama Bilbao y Leon
Director General

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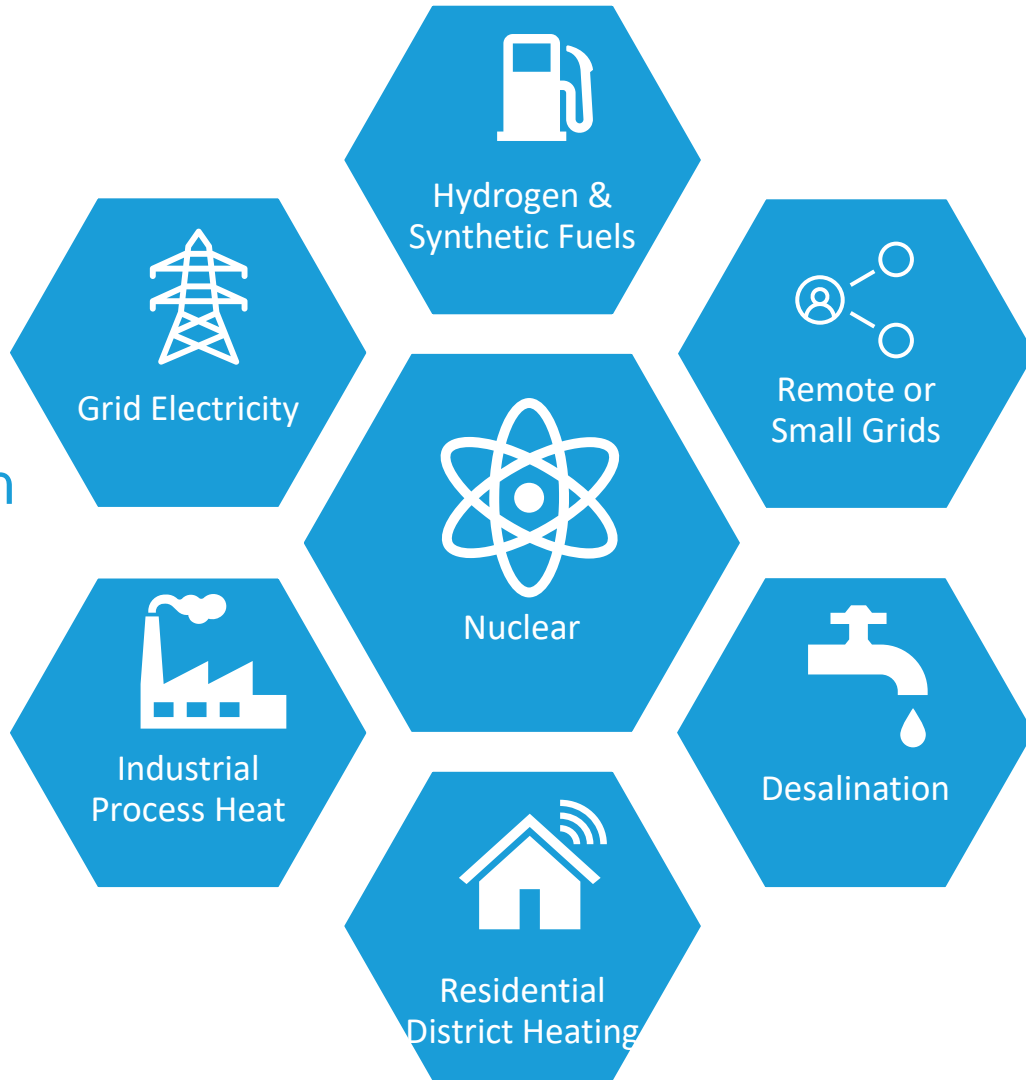
The expectations on nuclear energy are growing



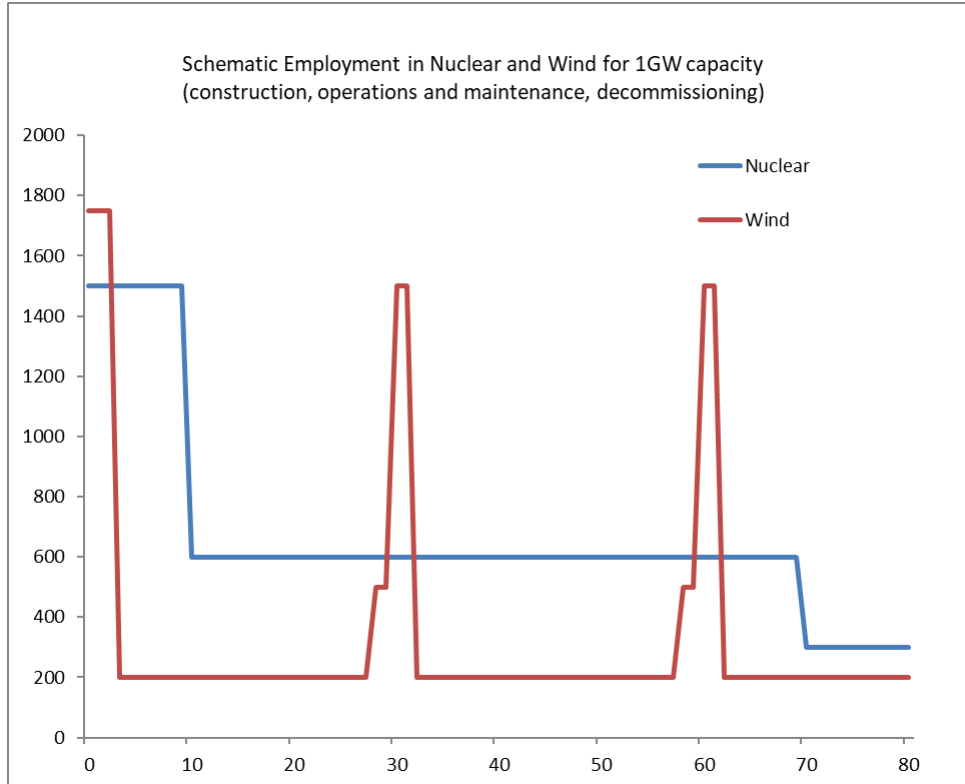
Data Source: IEA: World Energy Outlook 2020

Data Source: IPCC Special report on the impacts of global warming of 1.5 °C, 2018, IEA World Energy Outlook 2019, IAEA Electricity and Nuclear Power Estimates for the Period up to 2050, 2020

Nuclear energy is
the only low-carbon
source that can
produce electricity
and heat

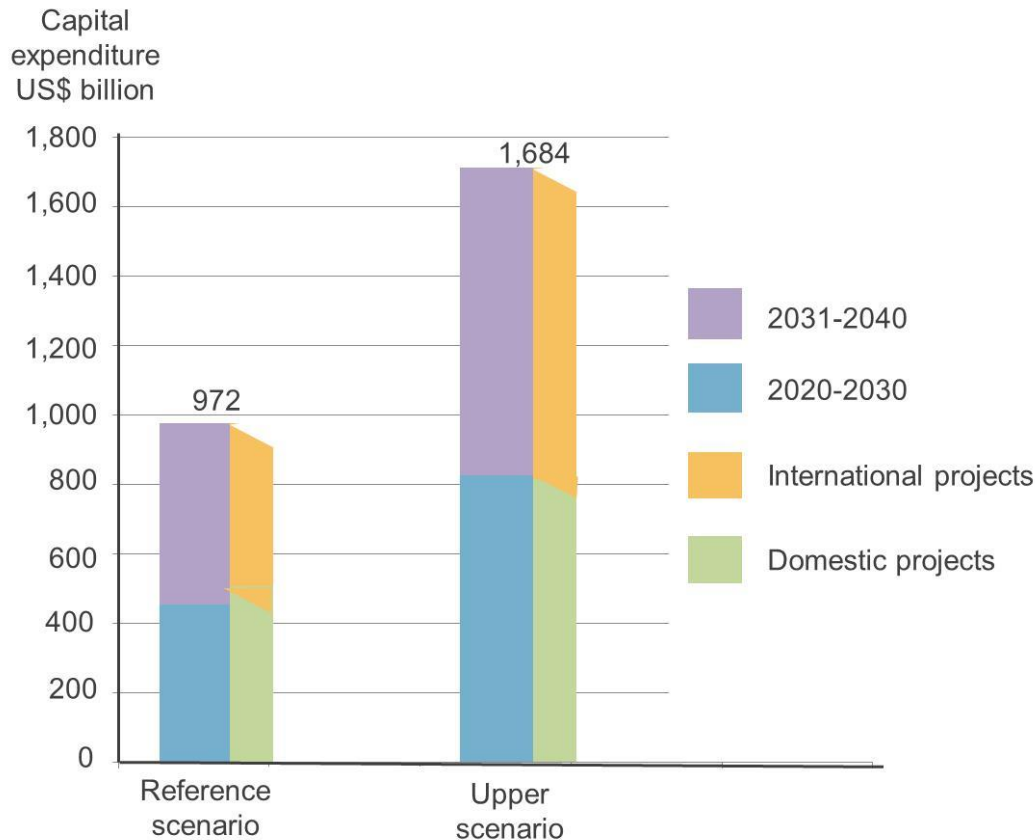
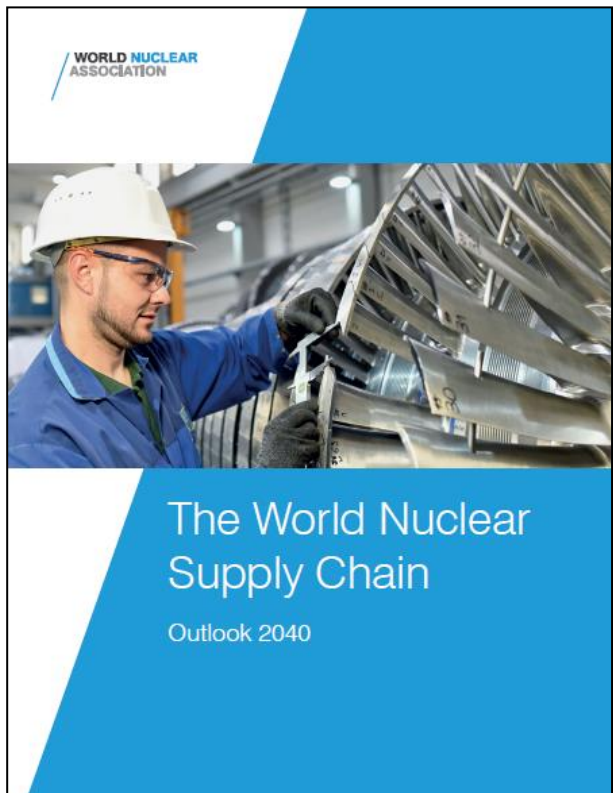


Nuclear energy supports employment and economic growth in the short and long term



- Extending the license on the existing nuclear fleet is the most cost-effective low carbon generation
- Nuclear energy projects galvanise long-term sustained economic development
- Nuclear energy projects are a proven way to create large numbers of long-term, high-skilled domestic jobs that pay premium wages.

World Nuclear Supply Chain Report



Innovation is needed to seize the opportunities and face the challenges

- Essential to **sustain** and enhance global nuclear capabilities for nuclear R&D, operation, supply chain and regulation
- Need to bring new technologies to deployment on a **global** basis
- Transformations in the **nuclear regulatory** sector are essential
- **Multilateral cooperation** is essential

The private sector must work together, but cannot do it alone: government support is essential

WORLD NUCLEAR ASSOCIATION

The Harmony programme is a global initiative of the nuclear industry coordinated by World Nuclear Association.



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