

Implications of the global energy crisis

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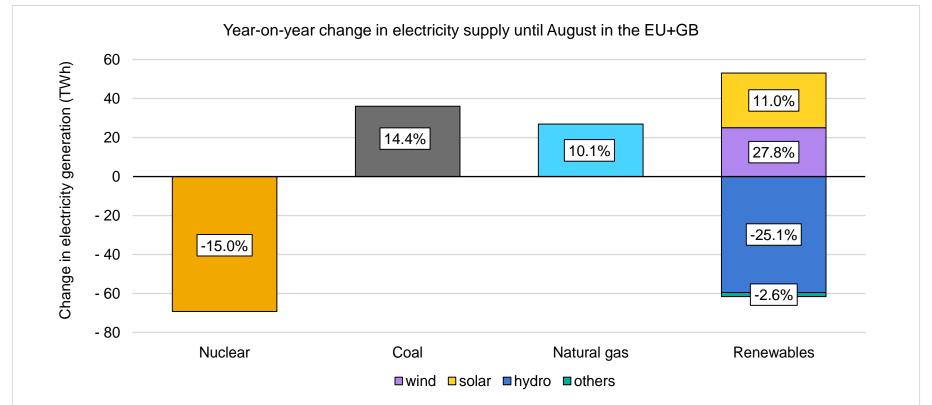
Gas markets at the centre of the global energy crisis





A significant rise in coal- and gas-fired generation in Europe

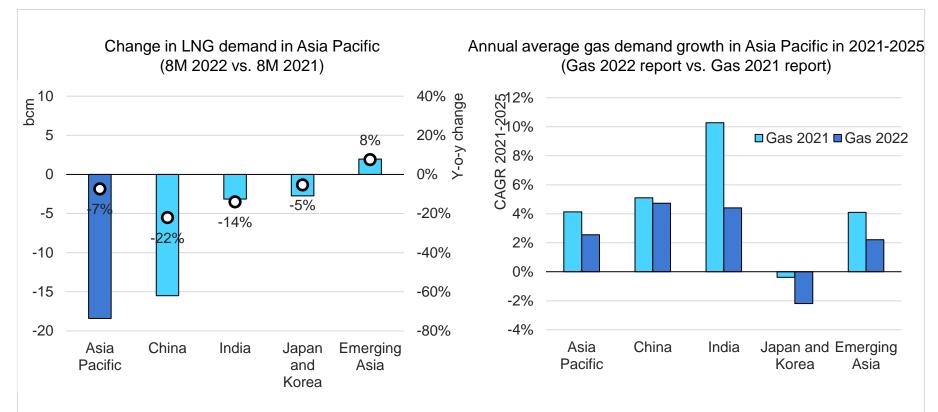




While other sectors of gas demand have been squeezed by high prices and curtailments, gas-fired electricity is up year-on-year in Europe due to a miserable year for nuclear and hydropower

Gas crunch impacts LNG flows and growth prospects across Asia

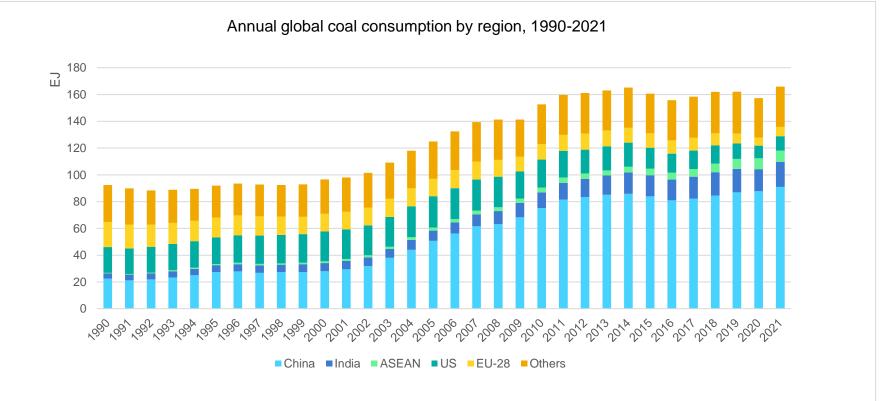




As Russia curtailed gas supply to Europe, so Europe's LNG imports have surged: Asian imports and near-term growth prospects for gas are sharply lower

Global CO₂ emissions underpinned by robust coal demand

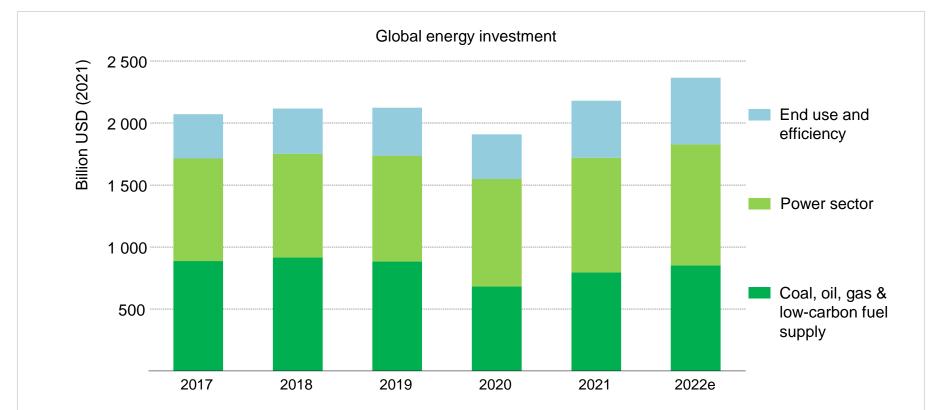




Despite the narrative of the imminent end of coal, global demand has been quite stable for over a decade at historical high levels, putting a floor under global CO₂ emissions

Global energy investment is picking up

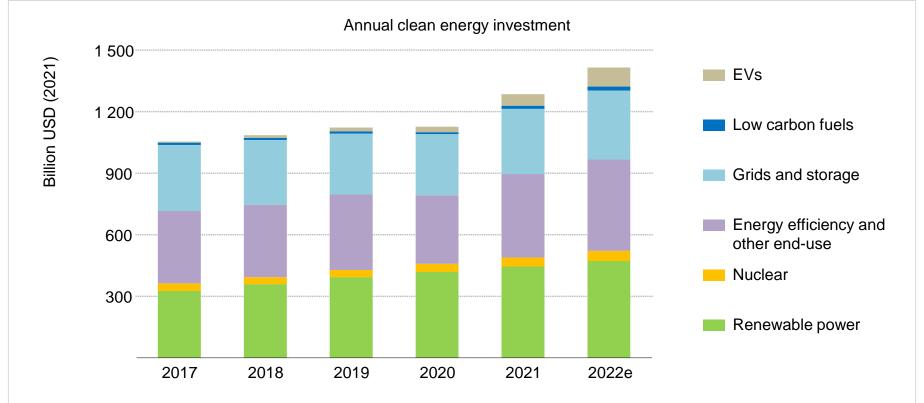




Energy investment is set to rise by 8% in 2022 to reach \$2.4 trillion against the backdrop of the global energy crisis, although almost half of the increase in capital spending is linked to higher costs

Investment in energy transitions is – finally – gaining momentum

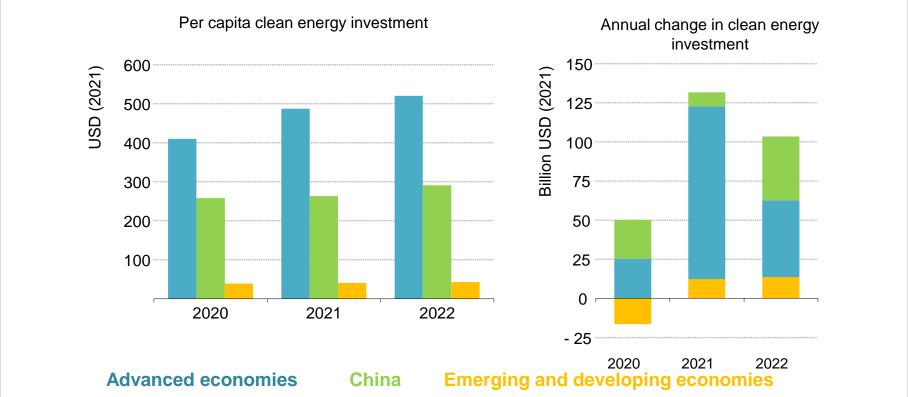




After flatlining for several years, investment in clean energy technologies and infrastructure is stepping up, with renewable power, efficiency and EVs leading the way

A risk of new dividing lines on energy and climate

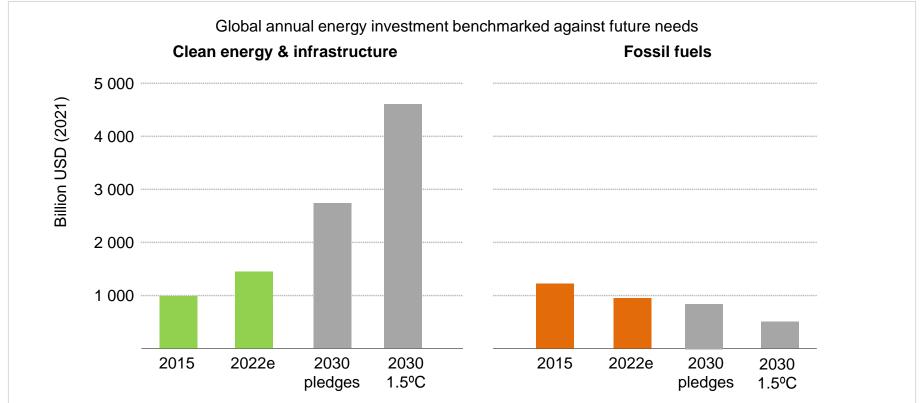




The rise in clean energy spending is concentrated in advanced economies and China: despite some bright spots, like solar in India, in other emerging and developing economies this investment remains stuck at 2015 levels

Investment trends don't yet answer the energy & climate crises

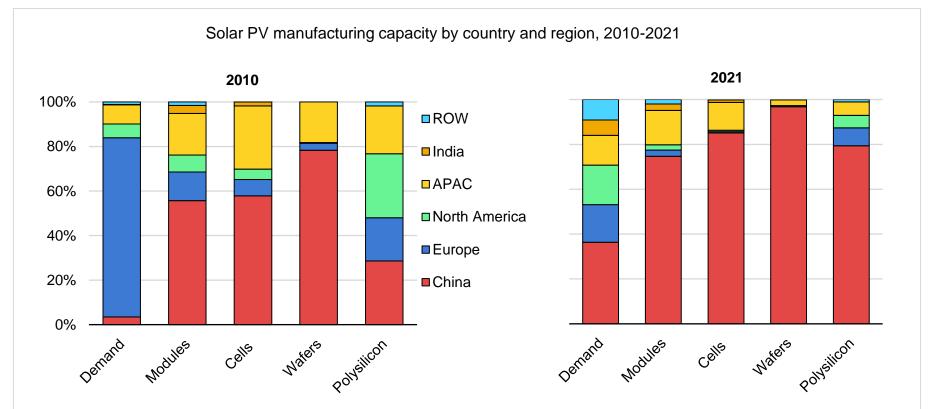




Investment to bring more clean and affordable energy into the system is rising, but not yet quickly enough to forge a path out of today's crisis or to bring emissions down to net zero by mid-century.

Rising scrutiny of global clean energy supply chains





China dominates global solar PV supply chains, enabling cost reductions worldwide but also sparking a broad debate about how governments should act to ensure greater diversity and resilience



