

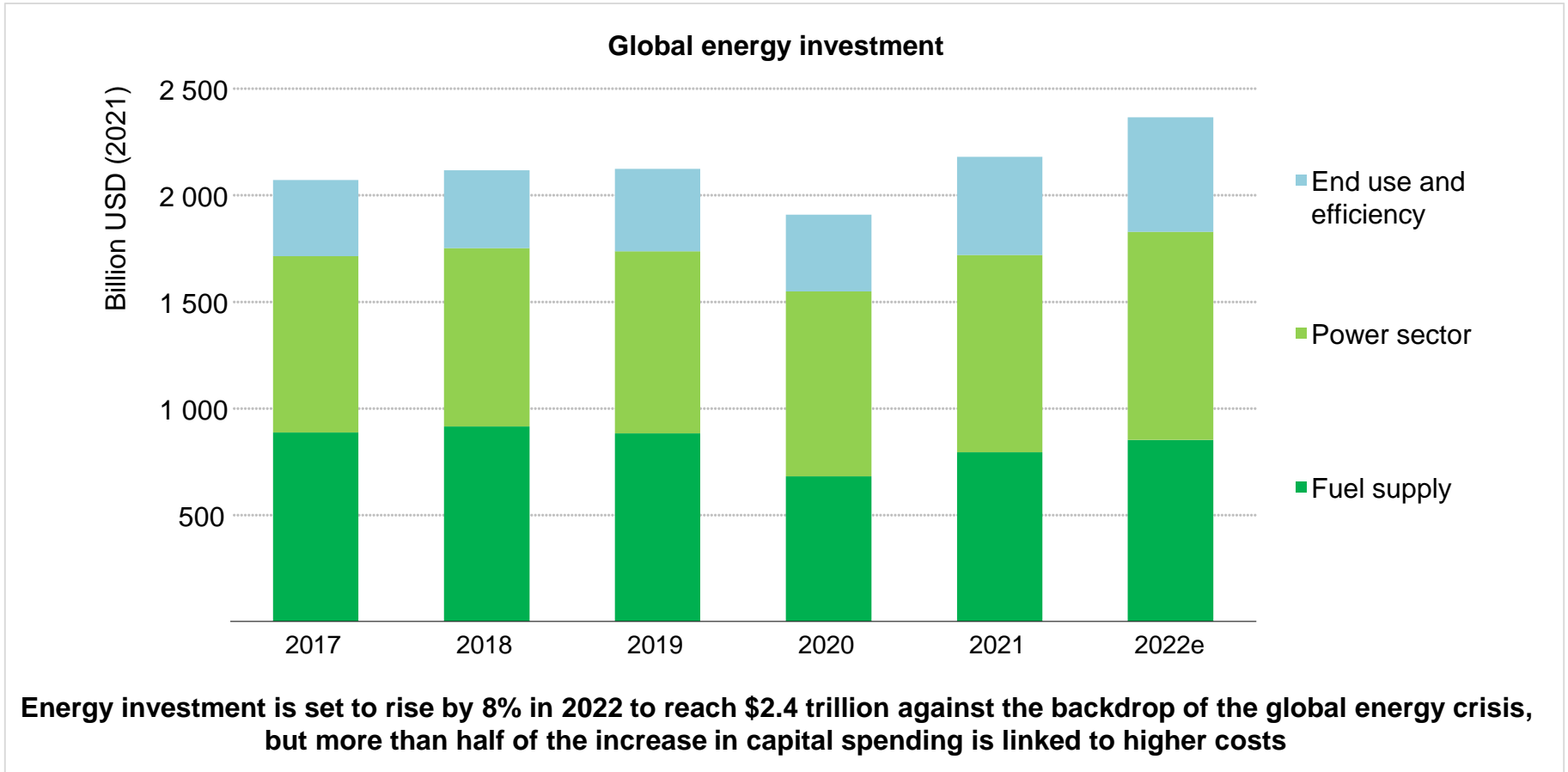


# World Energy Investment 2022

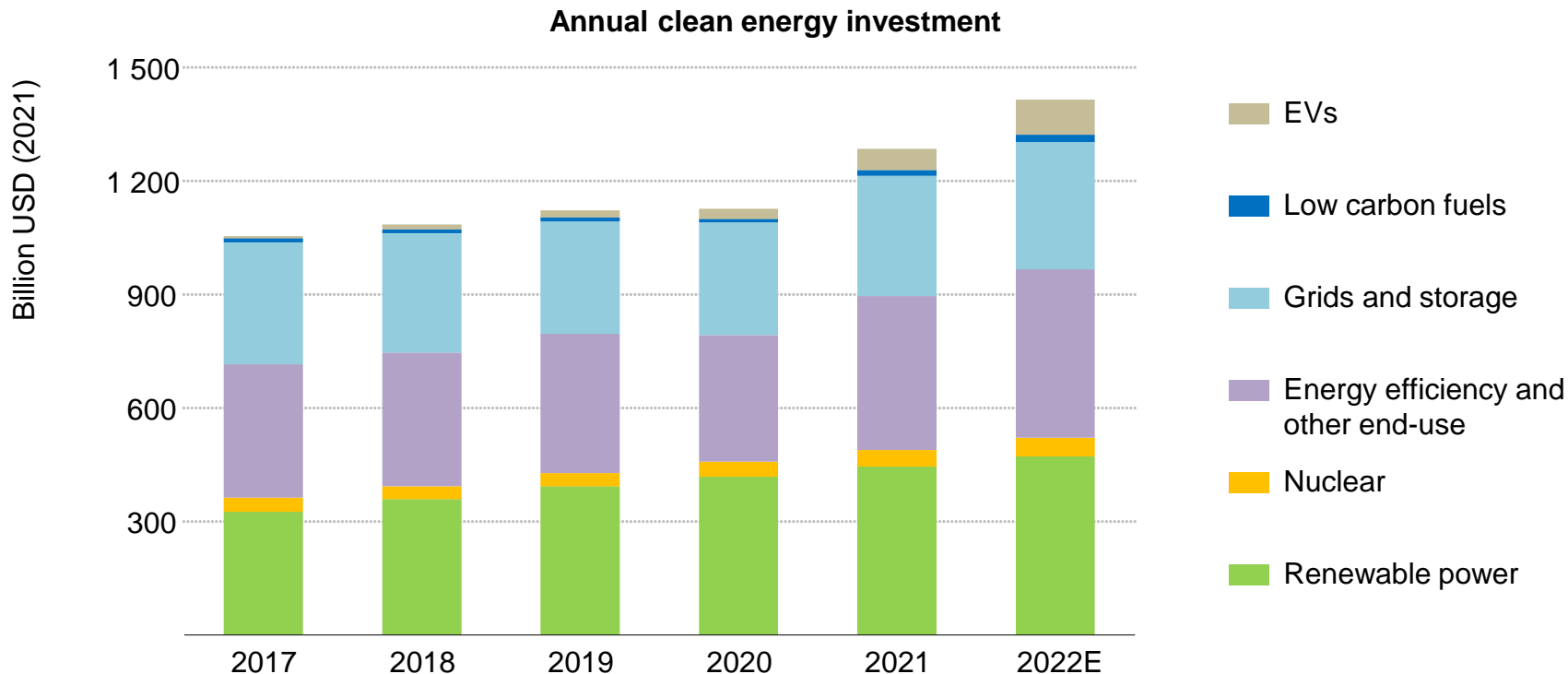
Enerclub

Madrid, 12 de julio de 2022

# Global energy investment is picking up

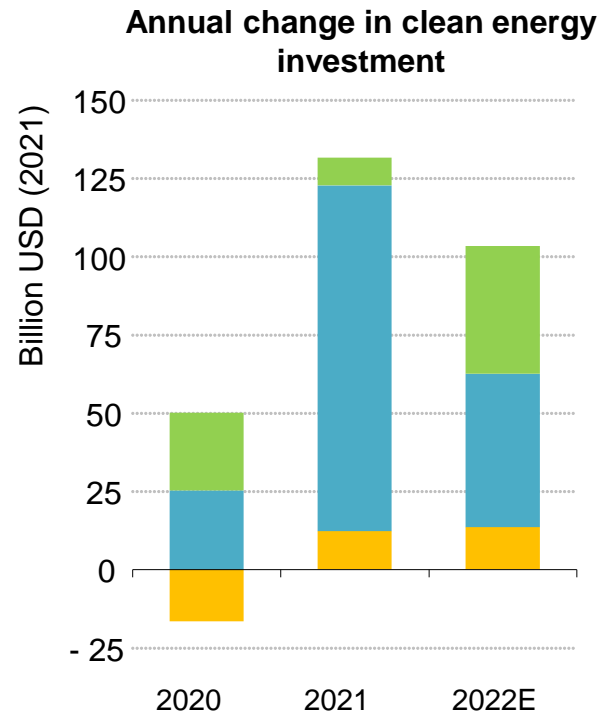
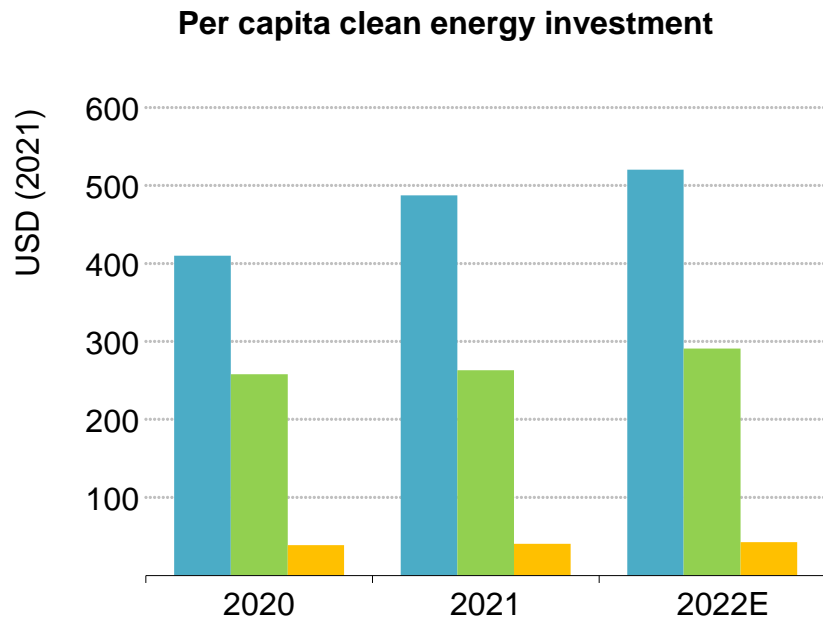


# Investment in energy transitions is – finally – gaining momentum



**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



Advanced economies

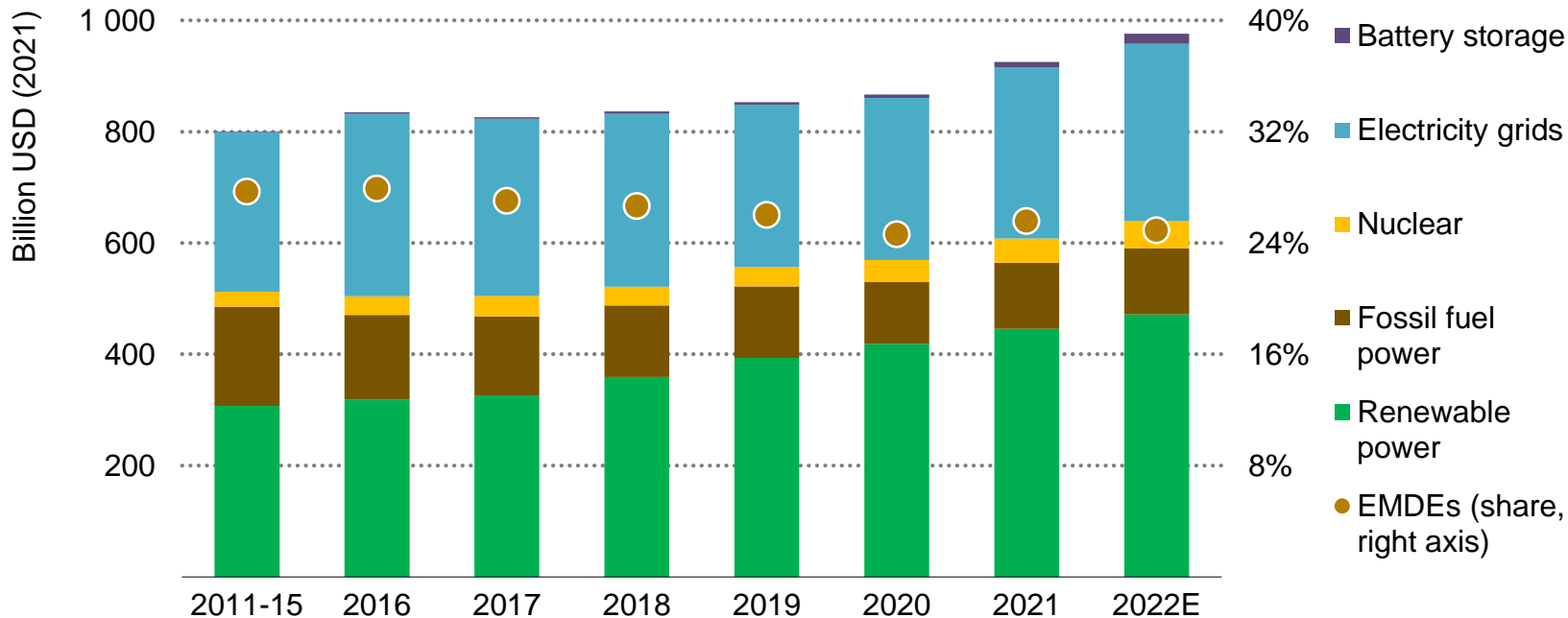
China

Emerging and developing economies

**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**

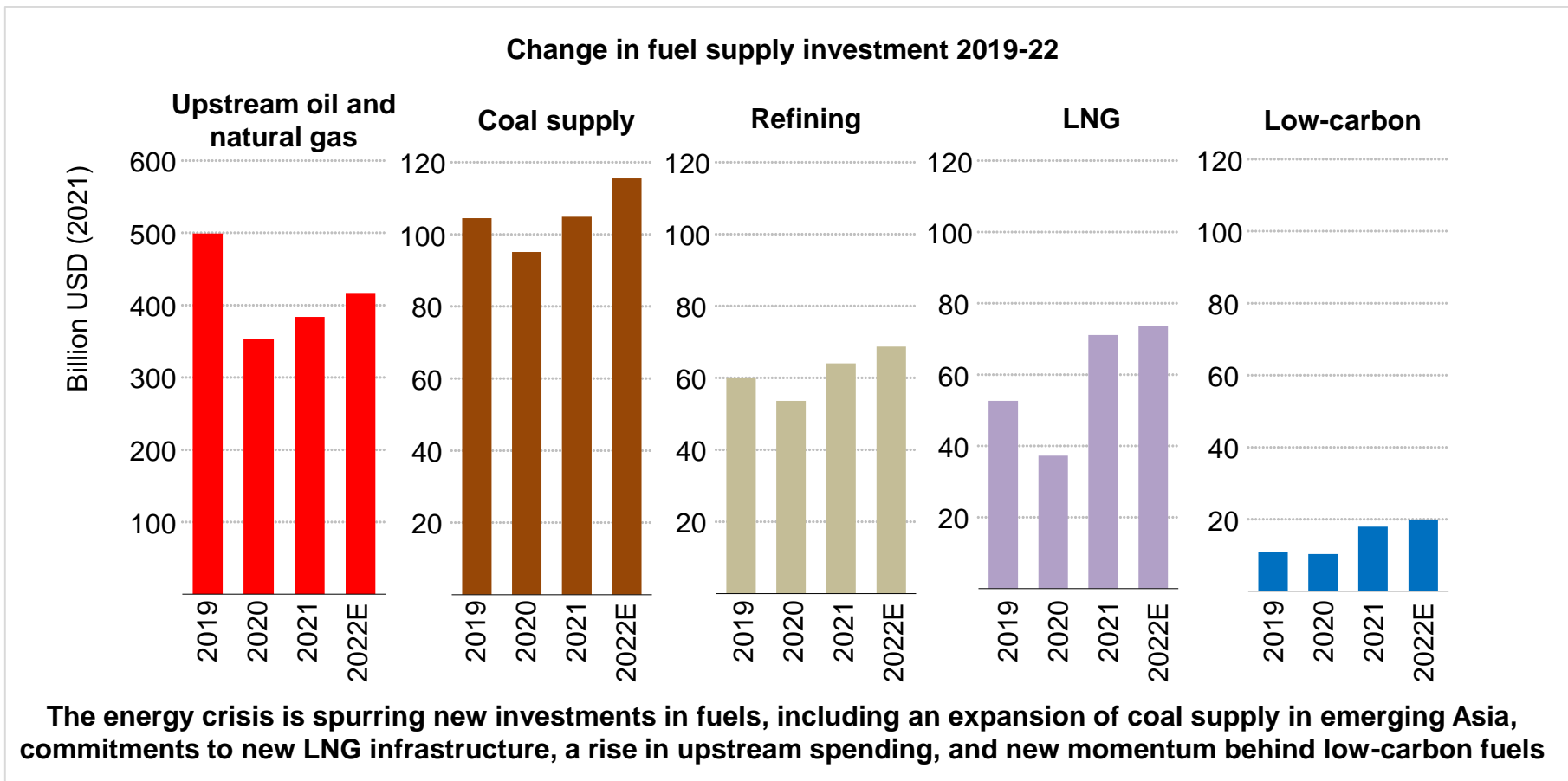
# Investment in power is accelerating...

Global annual investment in the power sector by category, 2011-2022

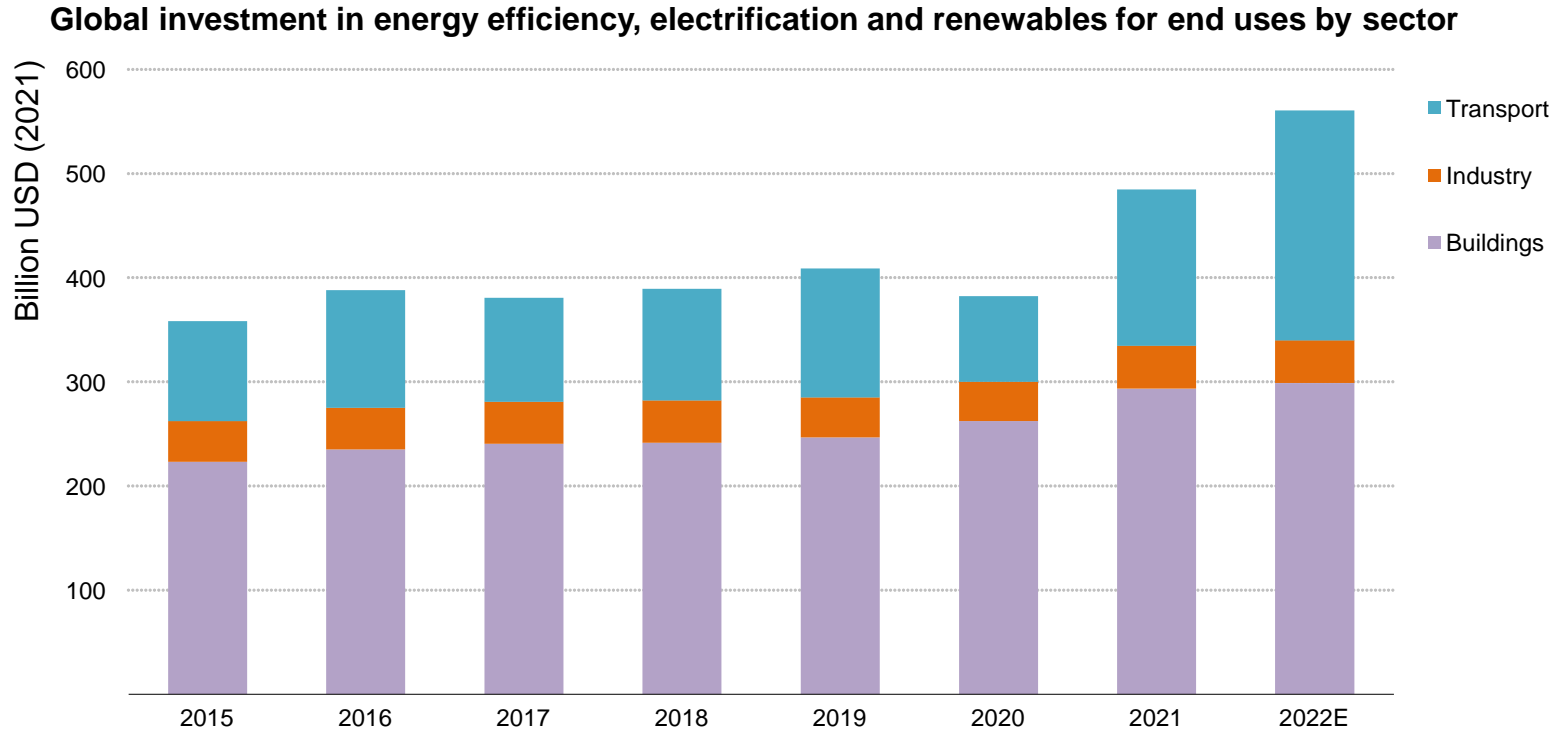


**Solar PV is leading power sector investment, with positive signs for electricity grids and a boom in batteries. But regional indicators highlight the challenges many EMDEs face in mobilising capital for clean electricity and grids**

# Investments in fuel supply are responding to higher prices...



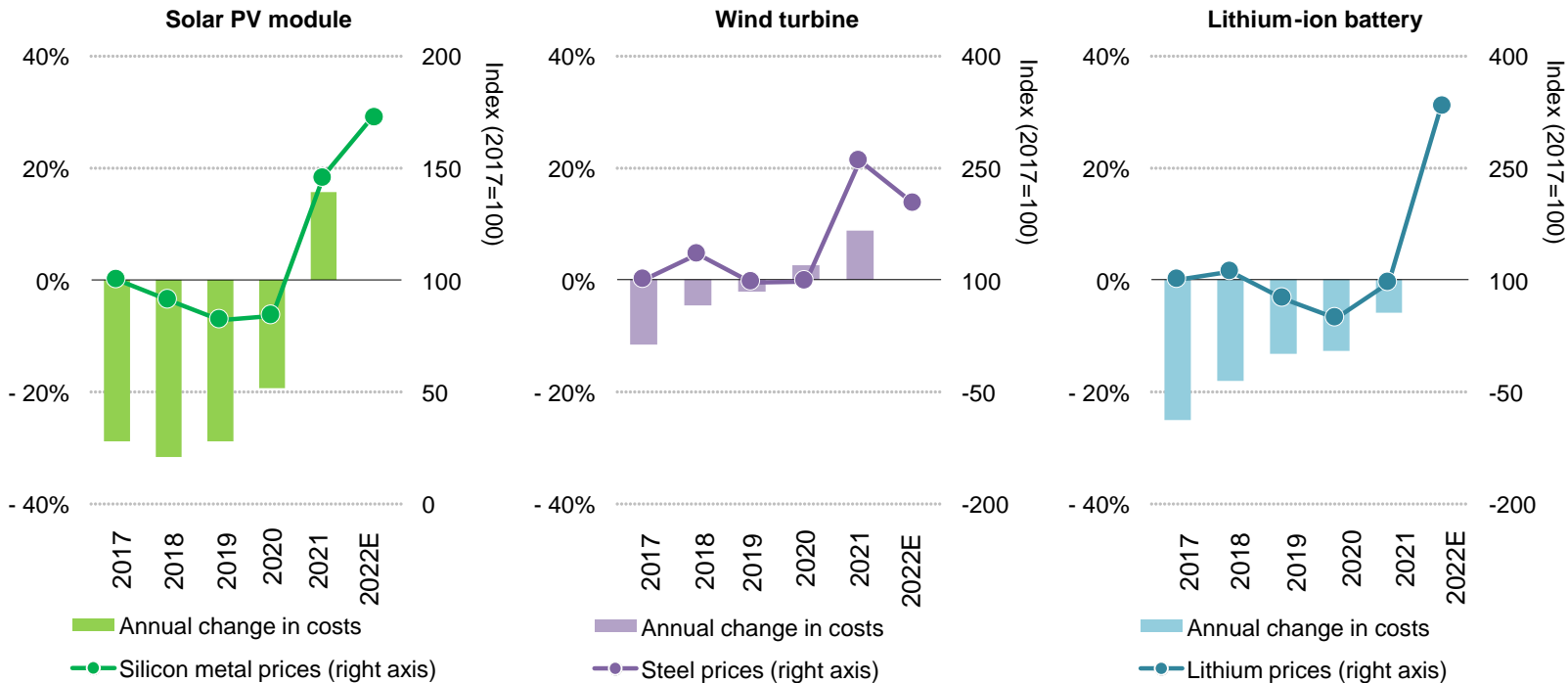
# 2021: record spending on efficiency and electrification in end uses



**After continued stagnation, global investment in energy efficiency, electrification and renewables for end uses reached new highs in 2021, with a 27% increase from 2020 levels.**

# Investment in critical minerals is central to successful transitions

## Technology cost trends and key material prices for solar PV module, wind turbine and lithium-ion battery

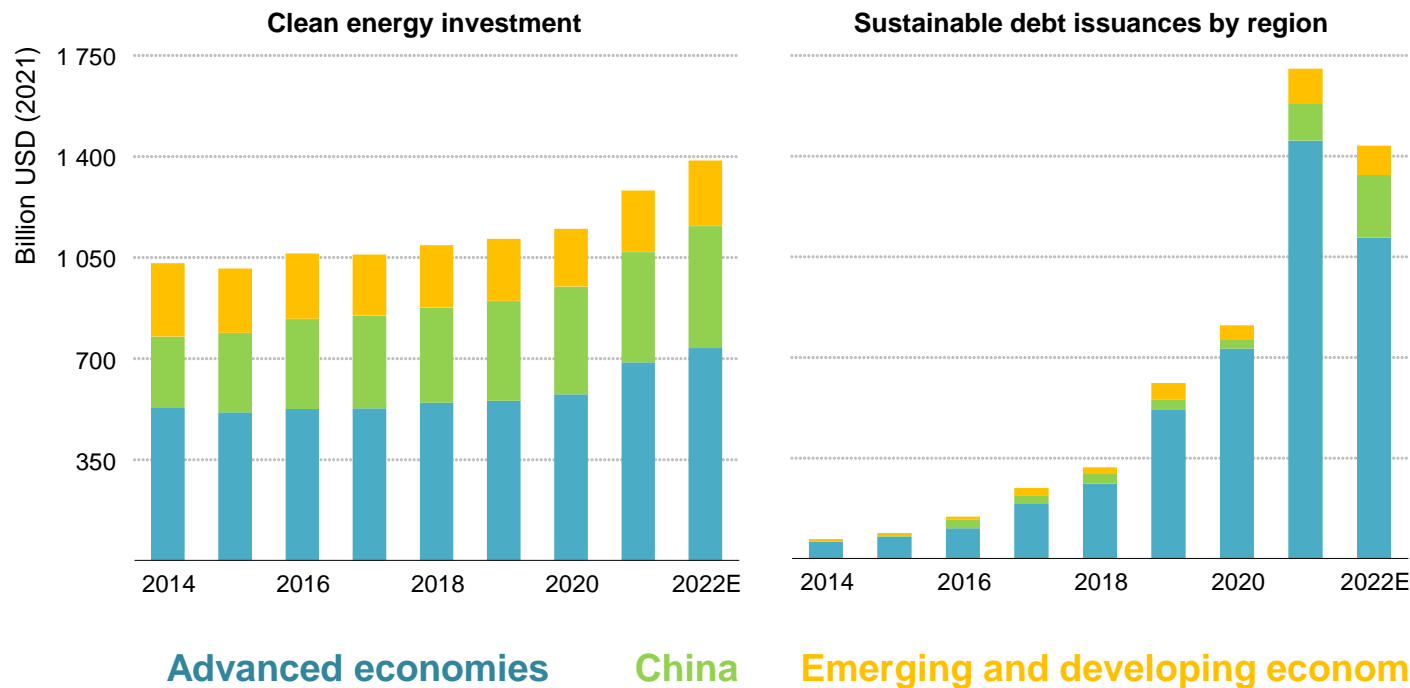


**A surge in mineral prices has been a major factor in reversing the longstanding declines in the costs of clean energy, but upticks in investment offer hope for increased and more diversified supply in the years ahead**



# Sustainable finance has boomed... in advanced economies

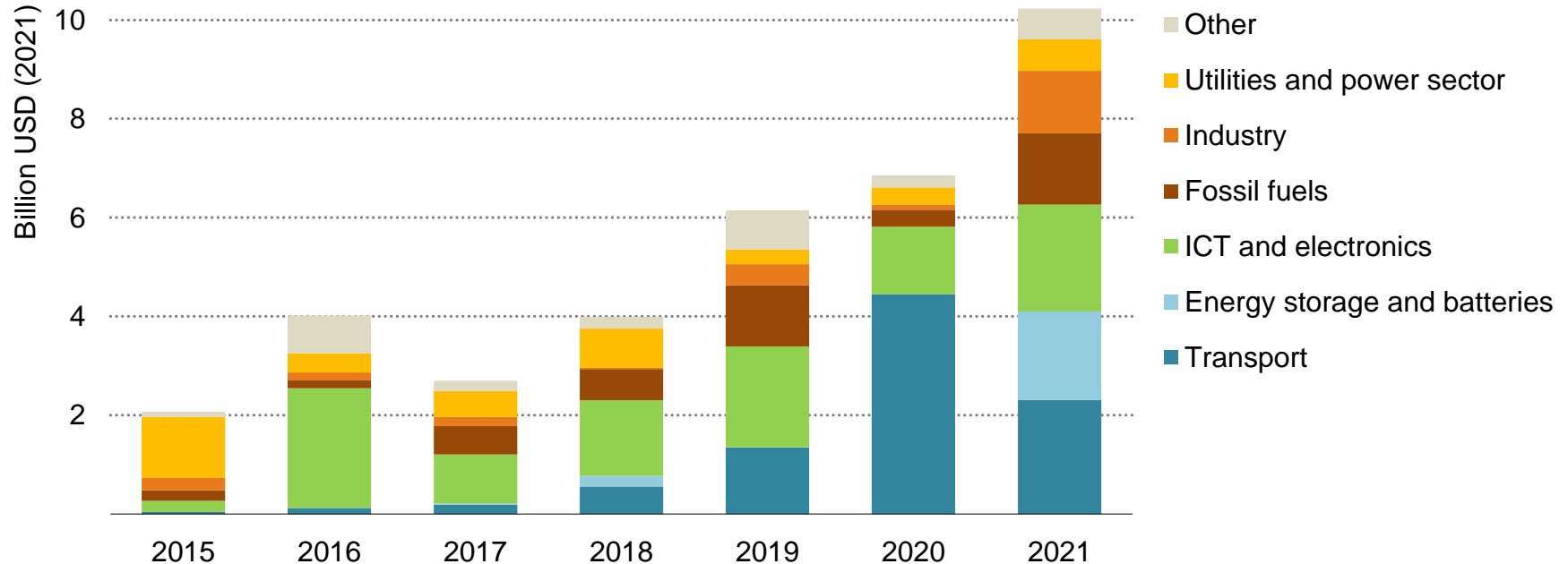
## Sustainable debt issuances compared with clean energy investment



**The sustainable debt market more than doubled over 2021, presenting a major opportunity to fund energy transitions, but the effects are concentrated in advanced economies**

# Innovation spending: CVC is a barometer of disruptive change

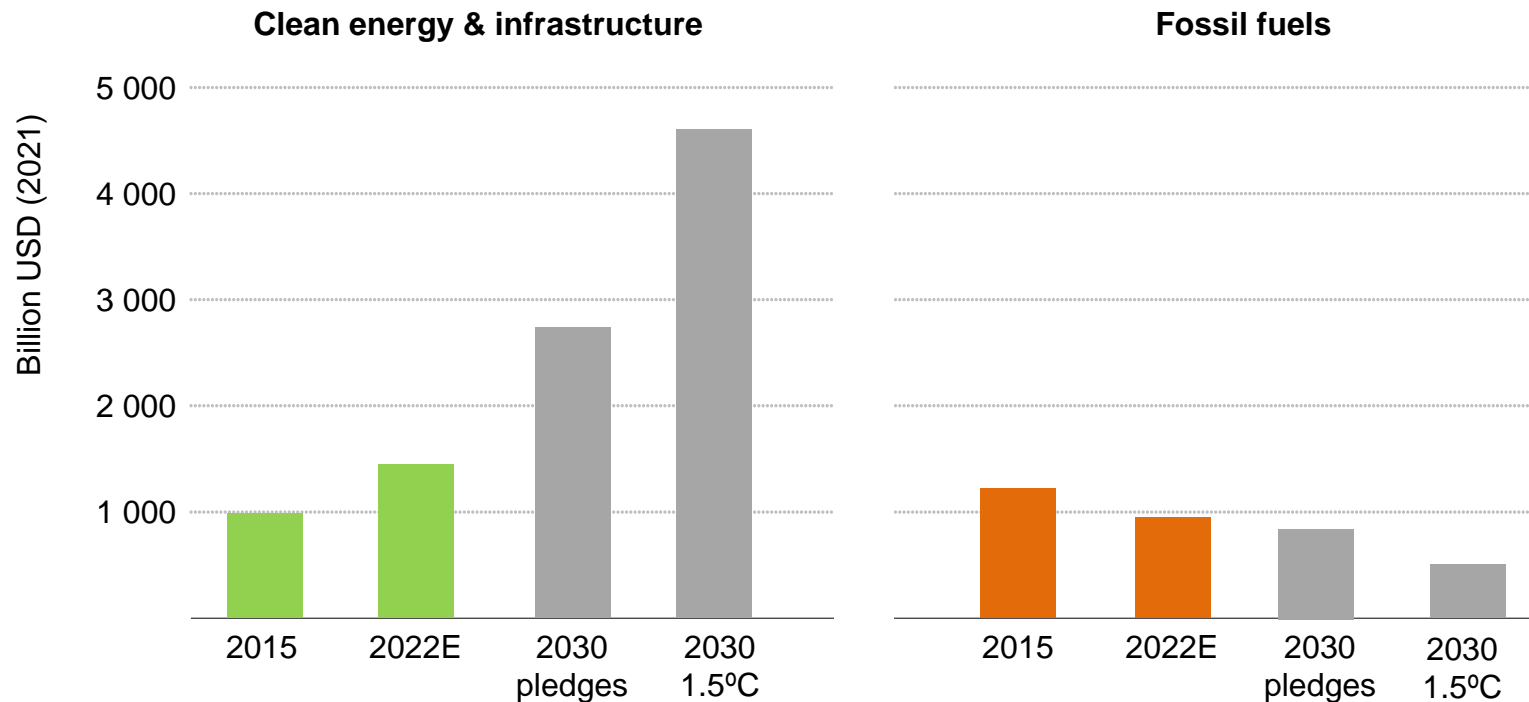
Corporate VC investment in clean energy start-ups, by sector of corporate investor



**Corporate venture capital investment in clean energy start-ups jumped by 50% in 2021 to over USD 10 billion, with deals more evenly spread across corporate sectors than in the past.**

# Investment trends don't match up to the energy & climate crises

## Global annual energy investment benchmarked against future needs



**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.**

iea