

Nobel Sustainability Trust Summit

9th Nov 2023

Prof. Elena Bou



energy: a central pillar of human story

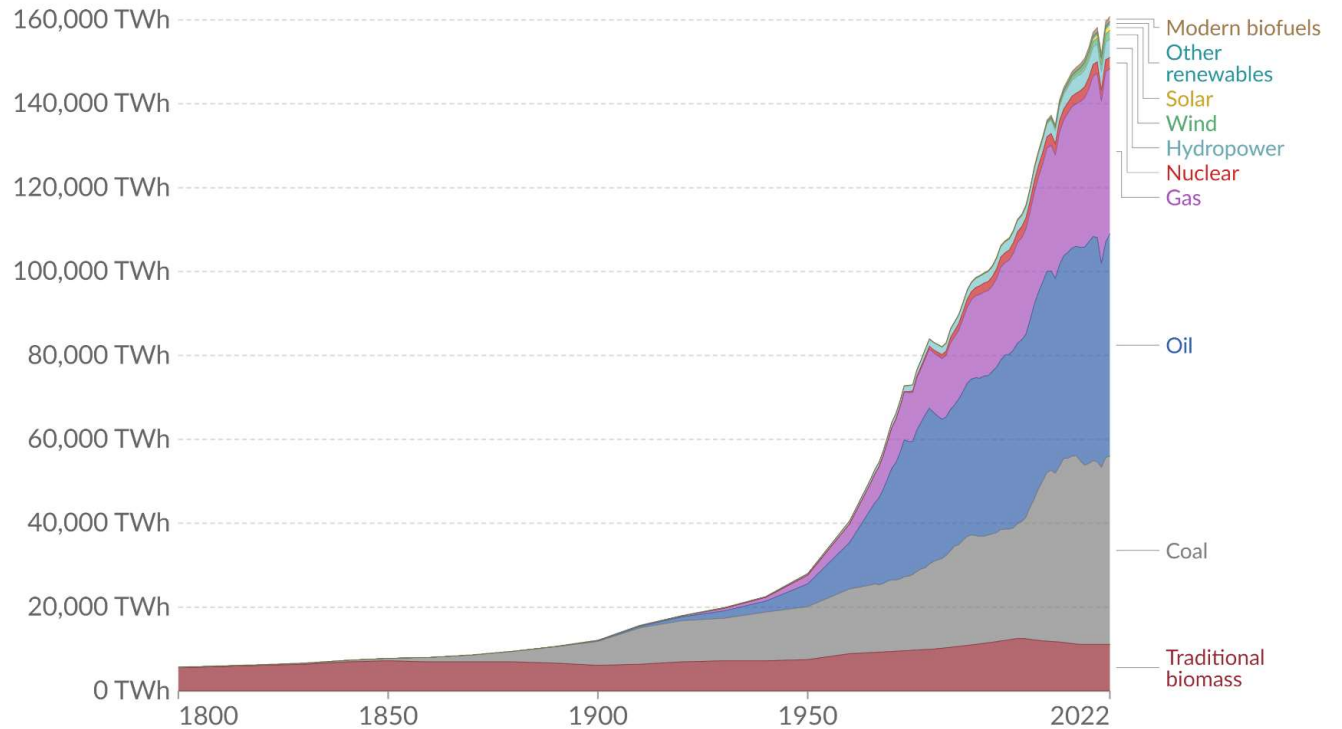


Only in the last **1%** of our
existence....

humans have discovered
new energy sources and
found ways to exploit them
more efficiently

Global direct primary energy consumption

Direct primary energy consumption does not take account of inefficiencies in fossil fuel production.



Data source: Energy Institute Statistical Review of World Energy (2023); Vaclav Smil (2017)
OurWorldInData.org/energy | CC BY

**the other side of the
coin...**

50%

Increase of the amount of carbon
dioxide in the atmosphere since
the industrial revolution



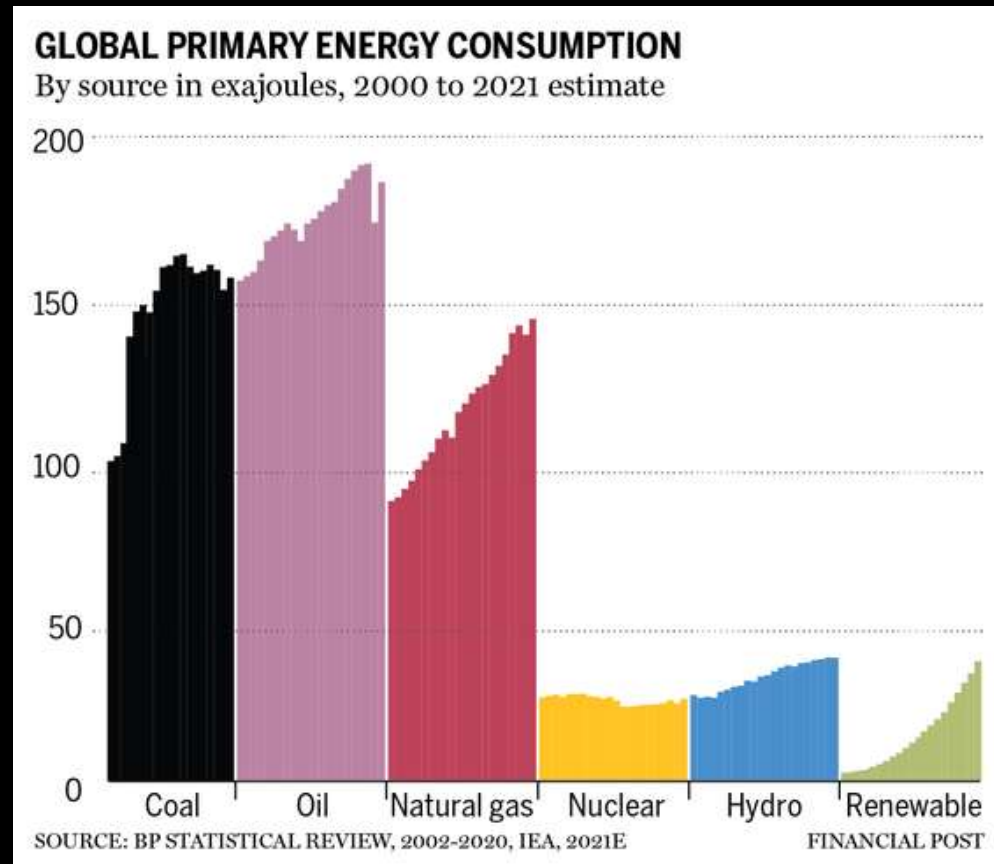
innovation & Energy Transition

45.000

emerging technology companies
to tackle climate by 2022



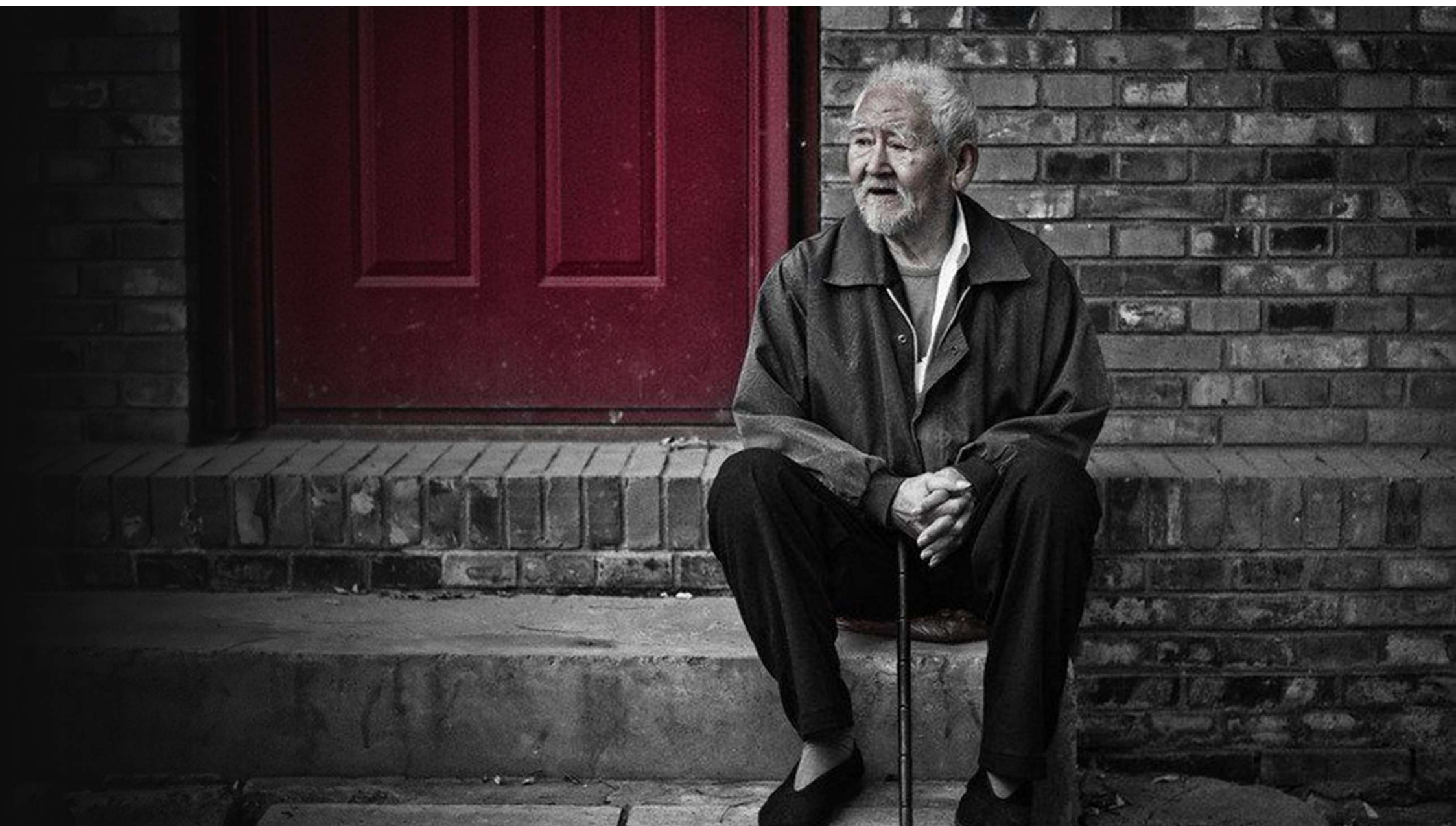
Exponential growth of
renewables between 2010
and 2020



enough?

46% of the emissions reductions need to reach net-zero by 2050 will arise through the adoption of technologies that are still in early stage of development (IEA)





Scaling Innovation at Speed

Deployment,
Deployment and deployment



Scale & Speed

Innovations

+

value chains: from raw
materials to recycling

+

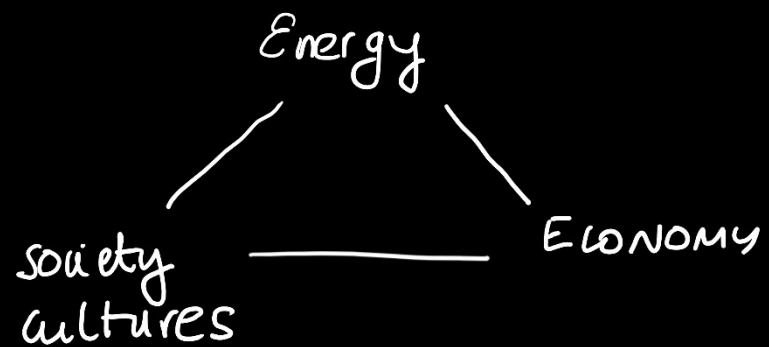
Skills

+

Capital



“storydoing” vs “storytelling”

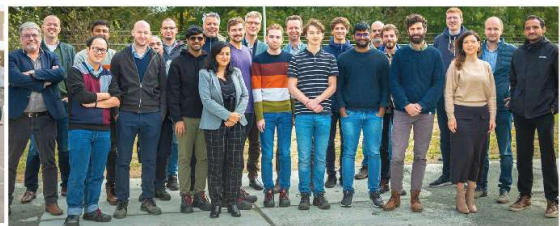


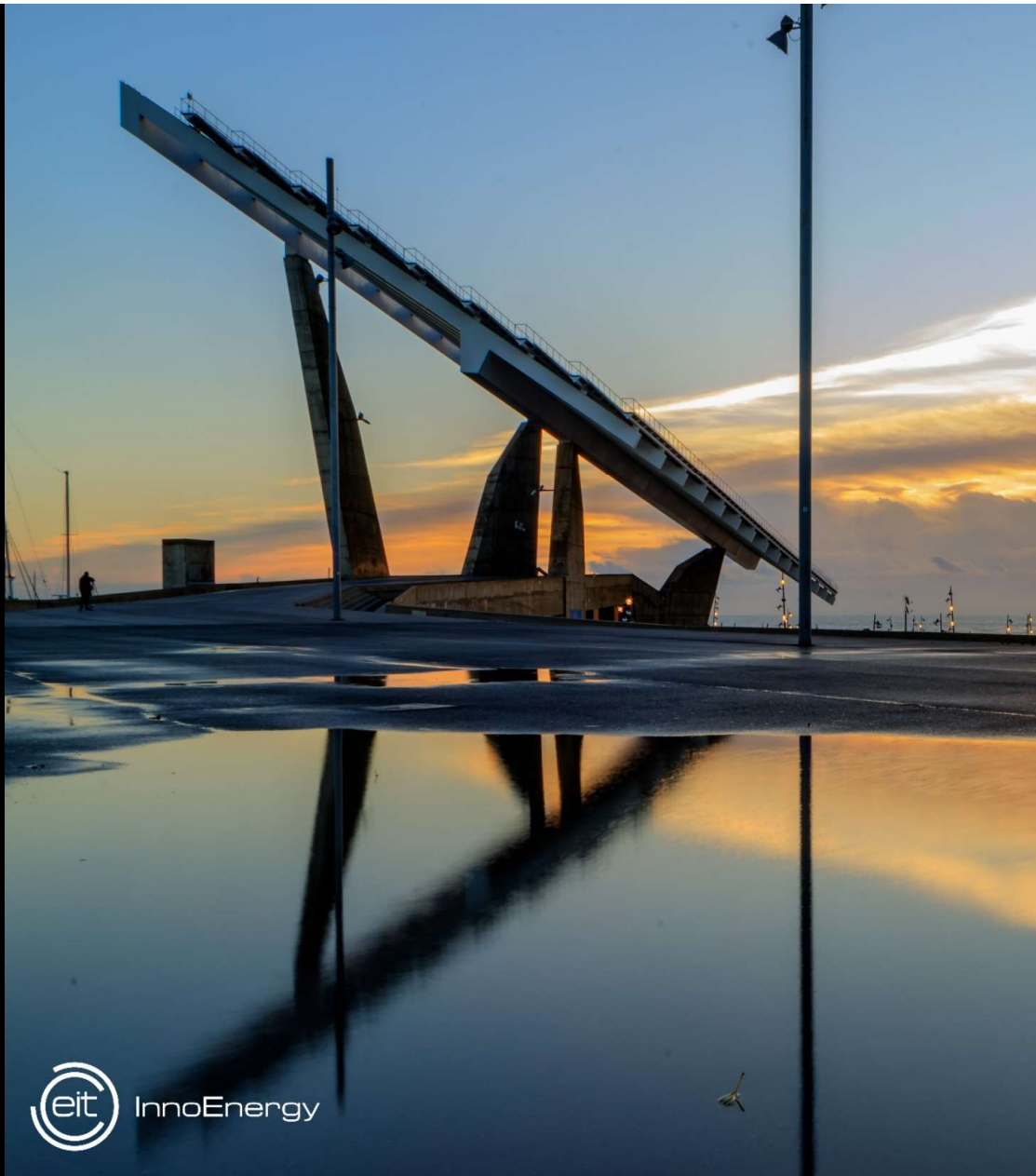
**InnoEnergy,
the innovation engine in Sustainable Energy**

For a purpose...

**To accelerate the ENERGY TRANSITION
To build a more sustainable world**







Economic impact*



39,112

Direct and indirect jobs created



€711m

Actual revenue generated by portfolio companies



€110B

Forecast by 2030, equivalent to GDP of Puerto Rico 2022



€9.7B

Of external funds raised by portfolio companies

*Accumulated 2022

Social impact*



1,914

Women entrepreneurs



81

Nationalities (average of 4.4 nationalities per company)



503k

Households with access to energy in developing countries



2m+

Equivalent to 2,014,460 people with access to energy

*Accumulated 2022

Environmental impact**



2.1^{G tCO₂}
CO₂e saved



8.2m

Equivalent to plane trips from Paris to New York with 300 passengers



€12.8B

Of savings in energy costs



831^{TWh}

Generated from clean energy sources



Equivalent to consuming Qatar's oil production in 2022 (819TWh)

**Potential contribution. Accumulated estimated by 2030

...By leveraging and
managing our
trusted Ecosystem
built, nurtured and
enhanced since
2010

for a **purpose...**



Thank you!

