

living planet symposium

BONN
23–27 May
2022

TAKING THE PULSE
OF OUR PLANET FROM SPACE



New Space – new entrepreneurship frontier

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26 May 2022

The world seems to be in a precarious place



The last 2 years seemed like a constant onslaught of crises



Inflation hits new high in eurozone

Harmonised index of consumer prices (annual % change)

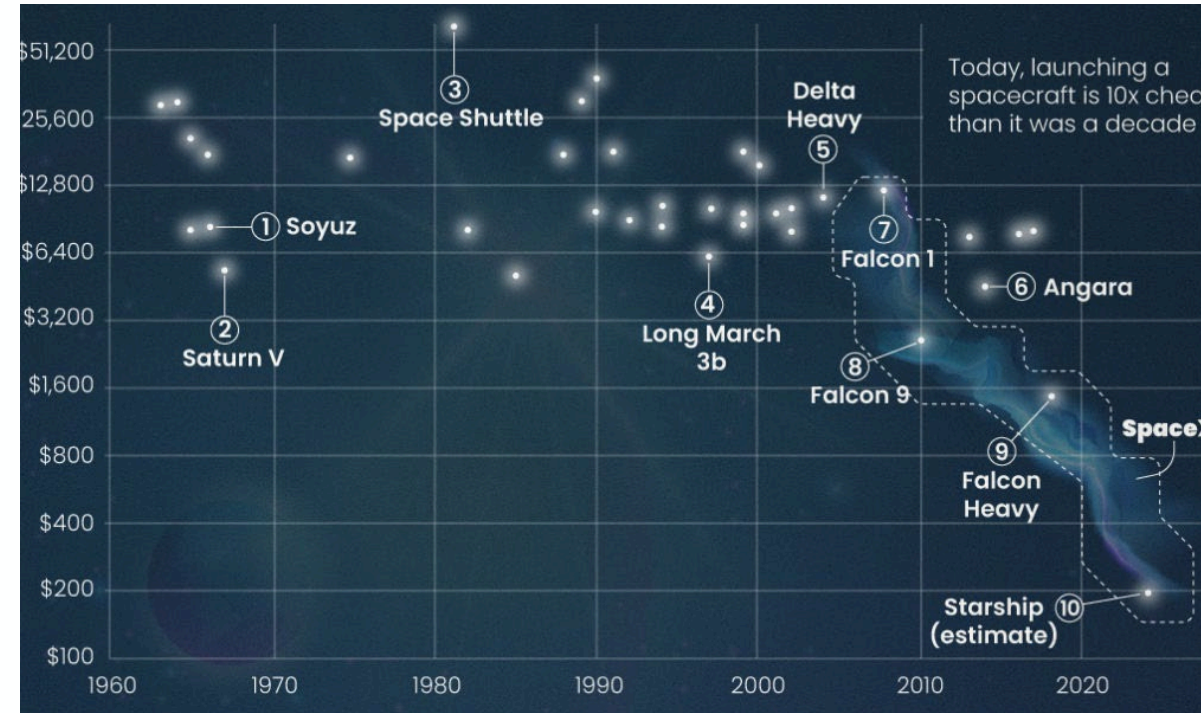
— Eurozone HICP — ECB target



Source: European Central Bank © FT

Source: European Central Bank, FT, various

But then this happens...

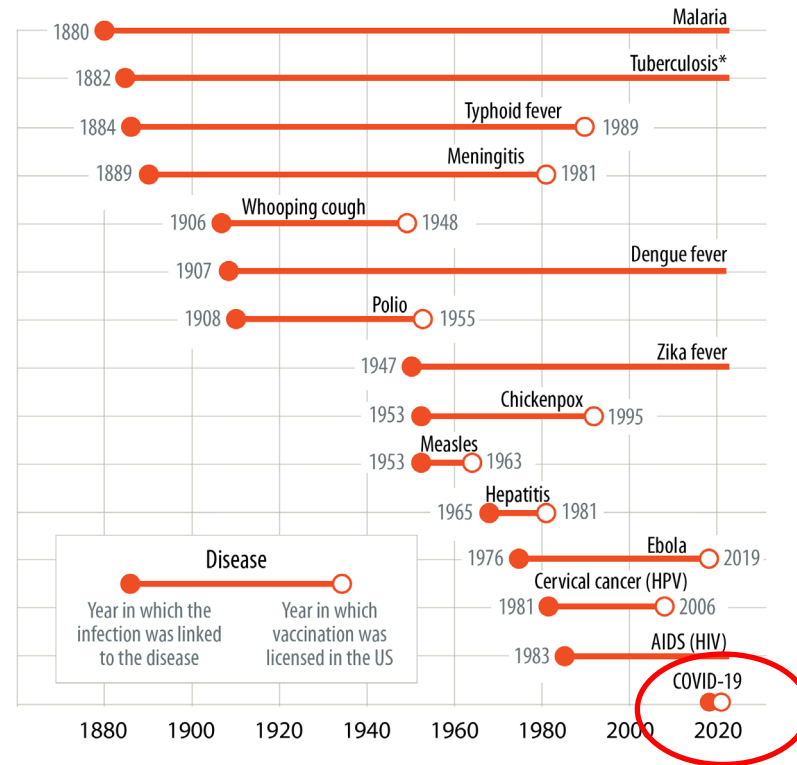


Source: YouTube, SpaceX, Center For Strategic and International Studies



From lab to jab

COVID-19 vaccines were developed at a speed never seen before in history.



Sources: Our World in Data; and IMF staff analysis.

Note: *The only vaccine against tuberculosis is bacillus Calmette-Guérin (BCG), but there is no effective vaccine to prevent tuberculosis in adults. There is a partially effective vaccine against Dengue virus (CYD-TDV). Not all cervical cancers are caused by the HPV virus, but the HPV vaccine does protect against other cancers caused by the HPV virus. The hepatitis vaccine in the chart is for hepatitis B.

Source: Our World in Data, IMF

Science
Basic research,
new discoveries

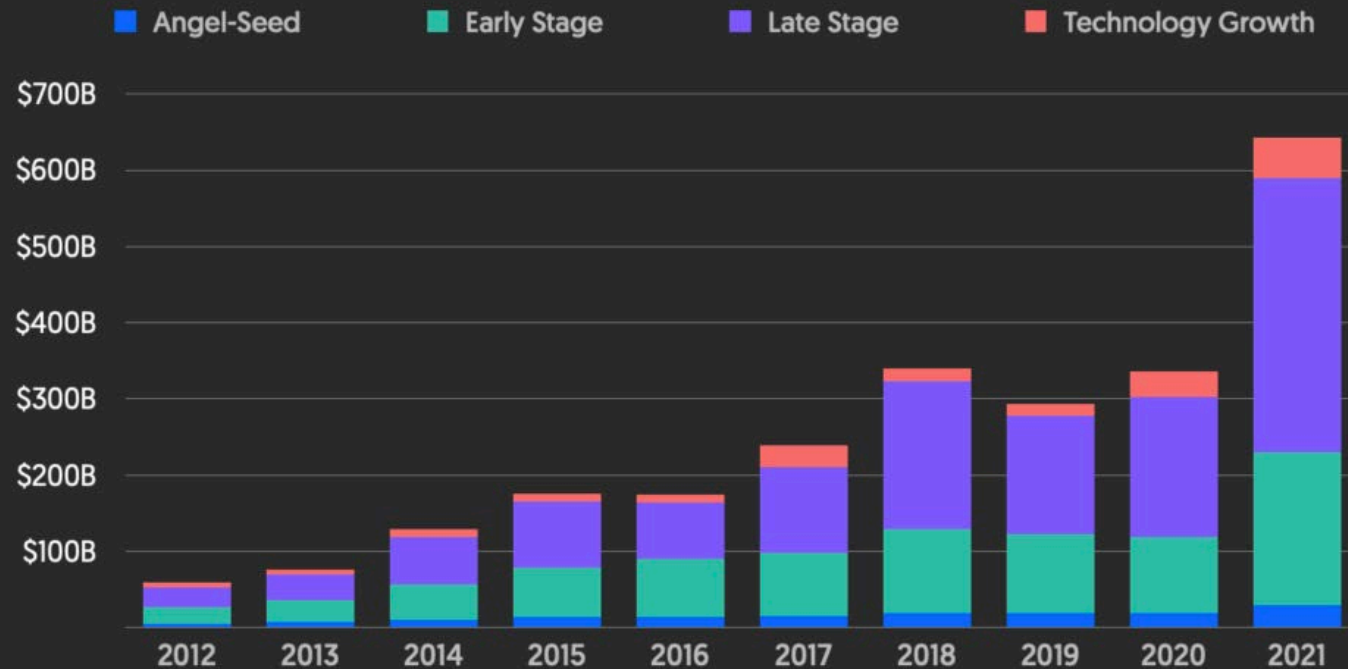
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Entrepreneurship
Commercialization, scalability,
sustainability

Two forces that give hope...

Booming investments into technology startups

Global Venture Dollar Volume 2012 To 2021



Overall Dollar Volume

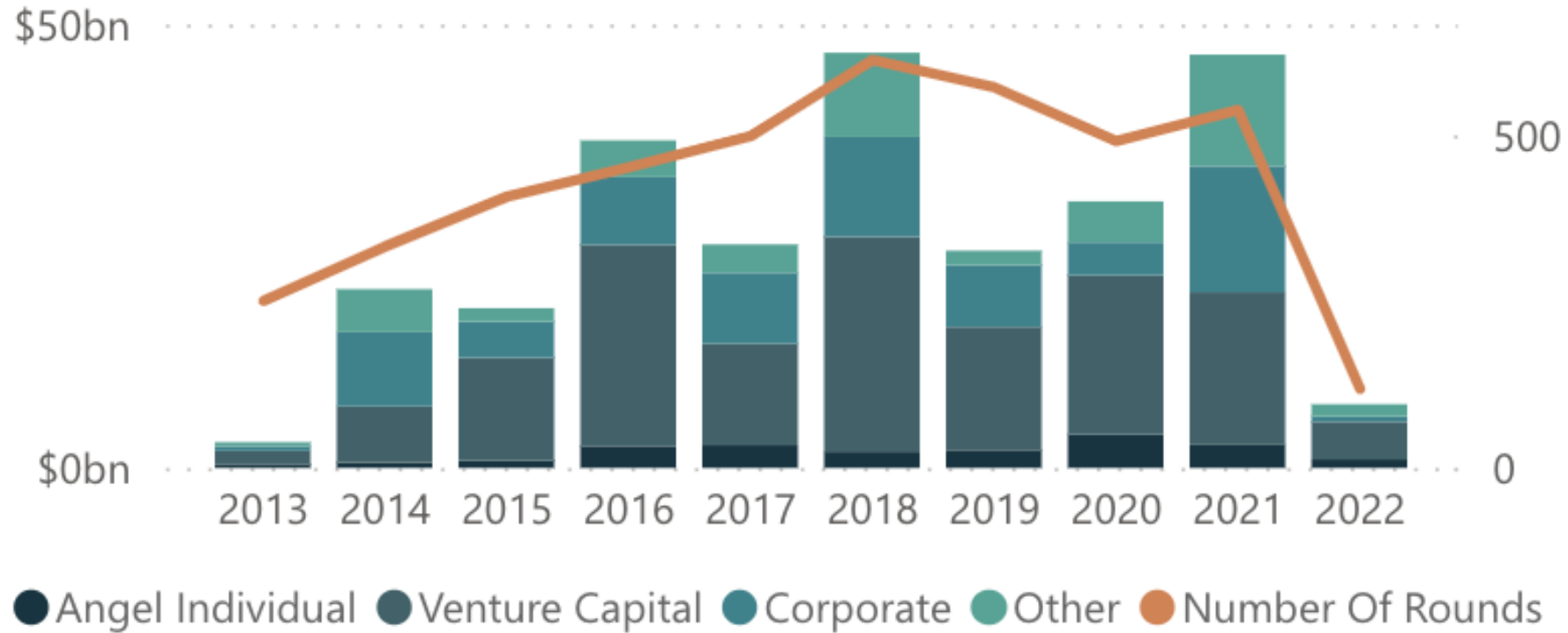
YoY Change

92%

crunchbase news

Source: Crunchbase

Equity Investment by Investor Type



Source: Space Capital's, Space Investment Quarterly, Q1 2022

Near-Earth

- Real-time, high-resolution EO systems
- 1mm on-ground change detection
- In-space molecule and semiconductor production
- Near-constant connectivity
- Hypersonic travel
- Etc.

Outer Space

- Lunar infrastructure (landing, habitat, connectivity, etc.)
- Missions to and colonialization of Mars?
- Space mining?
- Etc.

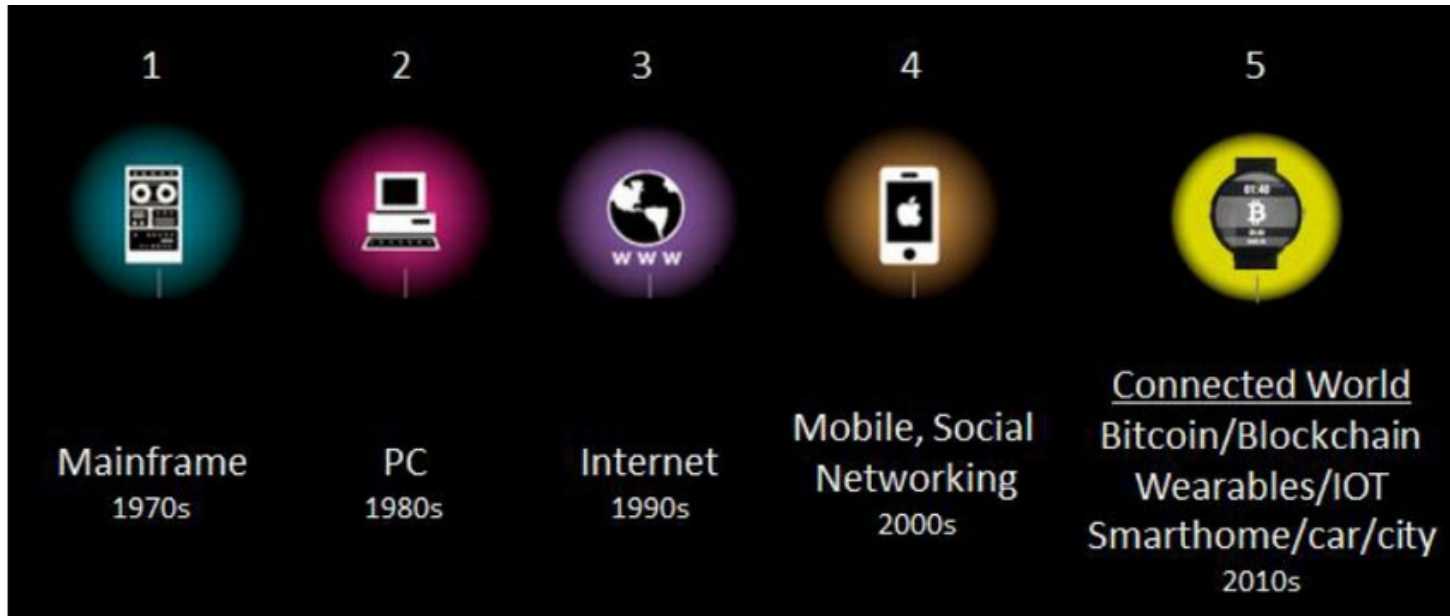
Satellites launched / to be launched
by years:

➤ 2001-2010: 290

➤ 2011-2020: ca.
2,500

➤ 2021-2030E: ca. 23,000

We're just at the very beginning



Source: Number of active satellites by year 1957-2020, Statista2021; Global Satellite Manufacturing and Launch Markets, Northern Sky Research 2021

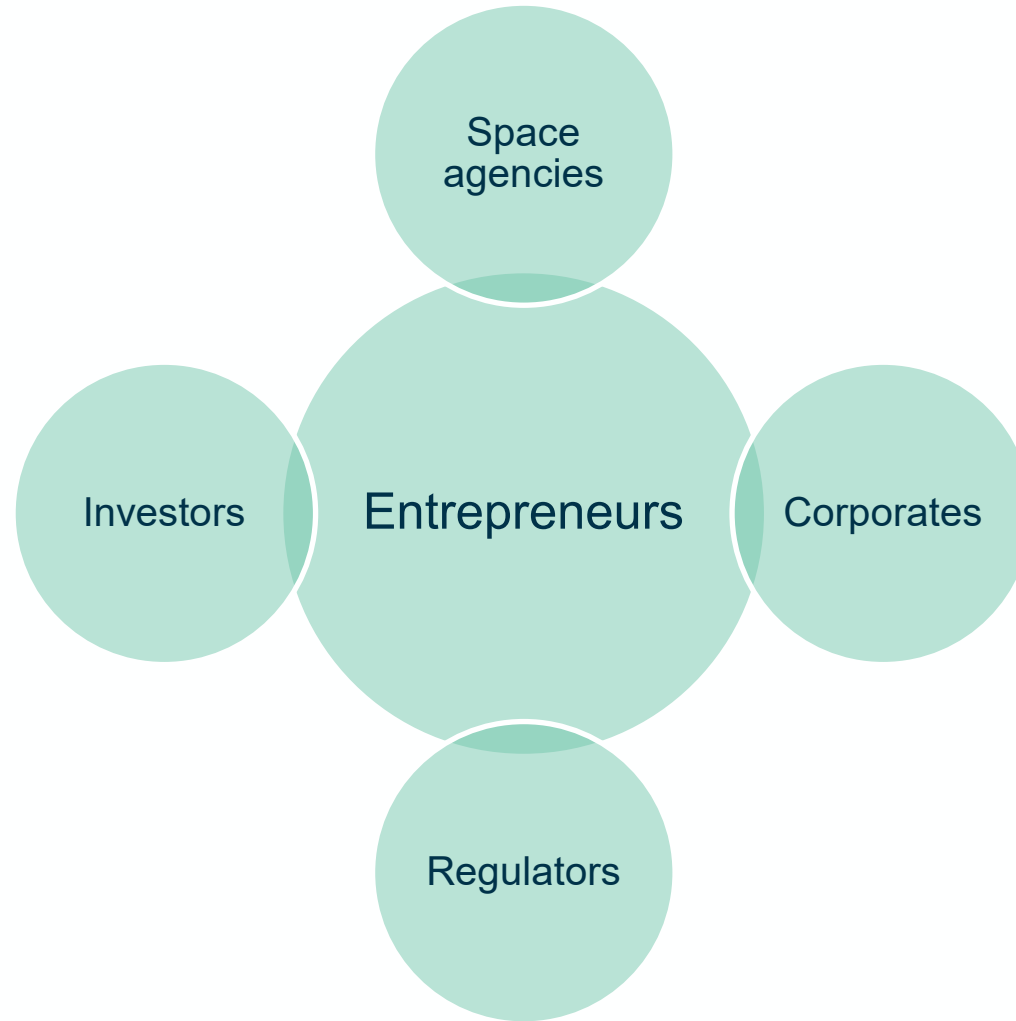
To all the entrepreneurs, builders
and mavericks out there:

*“Stay hungry, stay
foolish”*

Steve Jobs

“It’s time to build”
Marc Andreessen

How can we enable that in Europe



- \$170m Fund
- Series A and late seed: \$1-9m investments in the first round
- DeepTech focused, unique and defensible tech / IP
- Particular interest in: SpaceTech, Fintech
Infrastructure, Enterprise Automation, Cybersecurity
- European-based founders and companies