

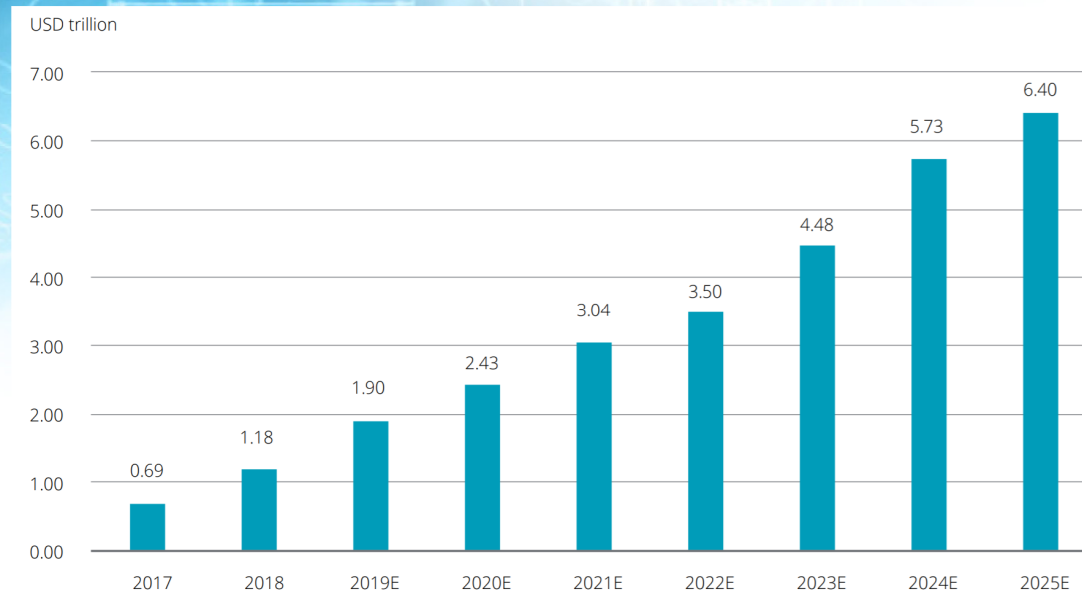
# AI National Strategy 2021



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## Forecast of global AI market Size



**AI-derived global market is likely to see phenomenal growth and achieve a market value of over \$6 trillion by 2025 and a CAGR of 30% from 2017 to 2025**

**AI-derived global market** is likely to see phenomenal growth and achieve a market value of **over \$6 trillion** by **2025** and a **CAGR of 30%** from 2017 to 2025

Forecasts of **direct revenues** for the global **AI market** (software, hardware & services) range between **\$260<sup>a</sup>-\$730<sup>b</sup> billion** by **2027**. **CAGR** from 2020-2027 is estimated by **17%<sup>c</sup>-42%<sup>b</sup>**

a) [Fortune Business Insights](#); b) [GVR](#); c) [IDC](#) (2020)

# National Program for Strengthening National Security and Scientific-Technological Resilience

- a. **National Vision**: Empowering Israel as a scientific-technological power from an **economic and social security** perspective, and ensuring the future and national strength of the State of Israel as a **secure, open, democratic and knowledge-based society**.
- b. **Objective**: To position Israel as one of **the top five countries** in the world **within the next five years**.



**Blavatnik** Interdisciplinary  
Cyber Research Center

# AI National Initiative



**Blavatnik** Interdisciplinary  
Cyber Research Center

**Government**

### Government Axis

- Inside Government
- Industry-Academy
- Education and training
- Academic research centres
- Ethics, regulation, legislation and law
- Cyber in the AI era

### Applications Axis

- Health and medicine
- Transportation
- Financial system
- Agriculture
- Security

**Applications**

**Technologies**

### Technologies Axis

- Machine Learning+Data Science
- IoT and sensors
- Robotics & Autonomous systems
- Networked Distributed Intelligence
- Computing power (classical and Quantum)

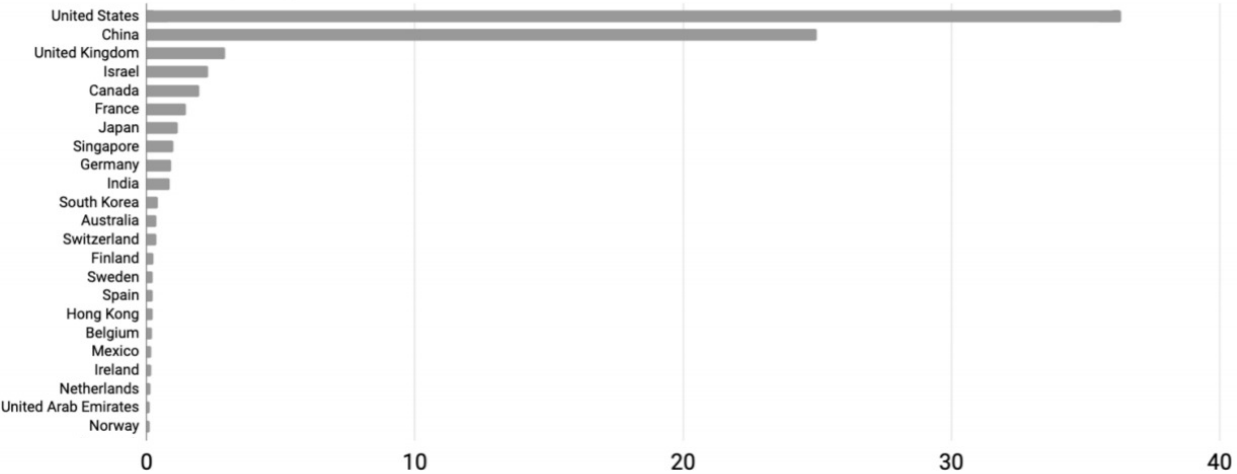
# Cyber Threat: The Dark Side of computerization

**"There is no dark  
side of the moon  
really. Matter of fact  
it's all dark." Pink  
Floyd**



Total Private Investment in AI (billions of current US\$),  
sum of January 2018 - October, 2019

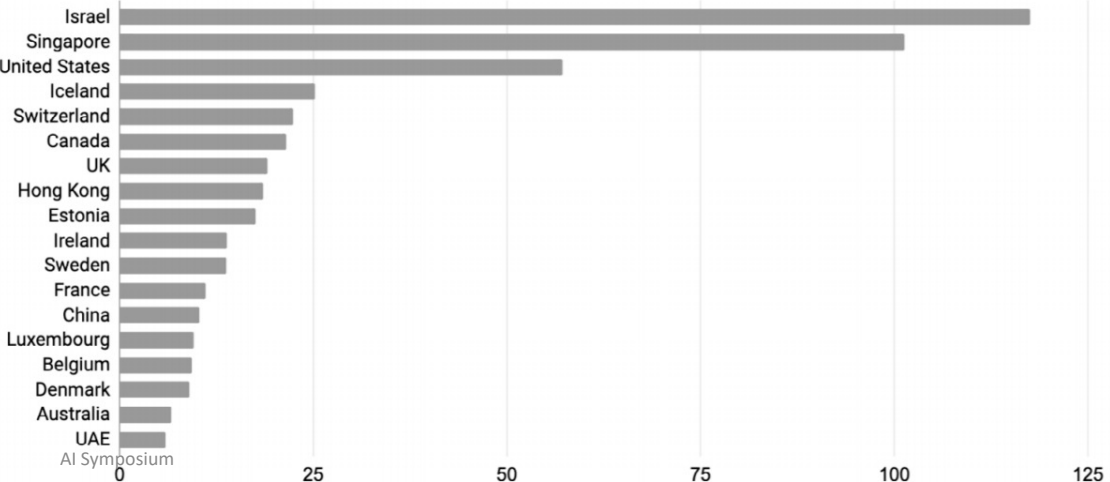
Source: CAPIQ, Crunchbase, Quid, 2019.



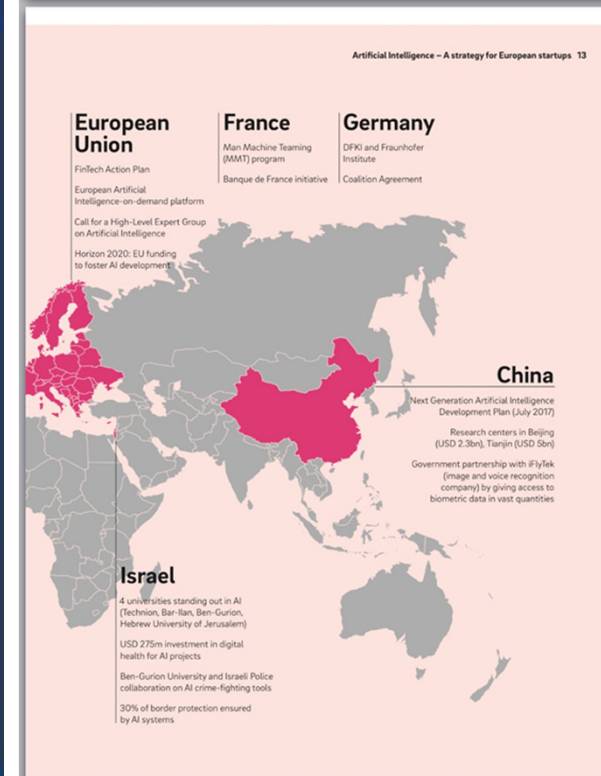
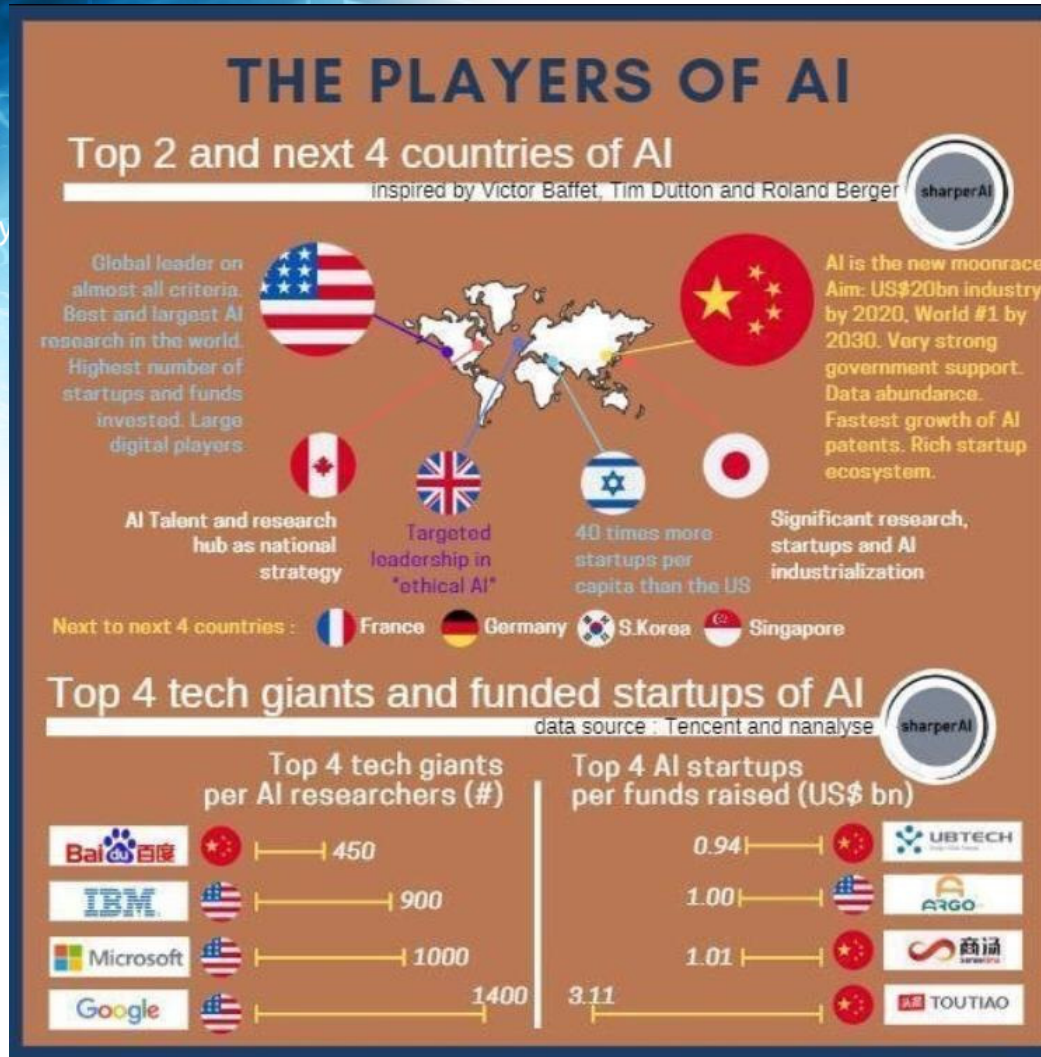
Total Private Investment in AI (billions of current US\$)

Private Investment in AI startups in per capita terms (\$ per person), 2018

Source: CAPIQ, Crunchbase, Quid, 2019.



Private Investment in AI per capita (\$ per person)





# The Global AI Index

Country	Implementation			Innovation		Investment		Total score
	Talent	Infrastructure	Operating Environment	Research	Development	Government Strategy	Commercial	
1 United States of America	100	100	51.8	100	99.7	72.3	100	100
2 China	19	86.3	86.5	58.8	100	91.4	43	62
3 United Kingdom	38.1	64.2	71.4	37.3	22	67.4	19.5	40.4
4 Canada	28.9	69	60	33.6	20.7	91	15.2	37
5 Israel	36.7	60.1	54.3	30.9	25.5	7.4	31.2	36.9
6 Germany	25.1	73.1	73.2	35.4	21.5	77.5	8.1	36.2
7 The Netherlands	33.7	76.1	79.2	25.7	25.1	52.1	4.6	35.5
8 South Korea	18.3	81.7	24.8	19.4	82.7	79.4	4.3	35.4
9 France	26	69.9	77.5	24.6	21.8	84.4	9.1	34.5
10 Singapore	40.7	85.3	19.1	22.8	19.1	64.7	14.6	34.2
11 Finland	24.4	63.4	82.6	28.6	19	89.4	5.3	33.7
12 Ireland	30.5	81.1	86.5	16.5	25.7	15.7	4.2	32.4
13 Australia	25.2	57.7	64.7	25.7	35	63.8	7.4	32.3
14 Japan	12.2	75.9	59.4	31.8	25.5	62.4	9.3	31.8
15 Sweden	26.4	69.4	65.3	25.2	20.5	34.4	4.9	30.3
16 Denmark	25.2	64.8	77.5	20.1	14.9	59.6	4.2	29.6

[tortoisemedia.com/intelligence/global-ai/](https://tortoisemedia.com/intelligence/global-ai/)