



Top 100 Global Innovators 2022

Baselining brilliance – a discussion with industry leaders on measuring innovation in the 2020s

March 31, 2022

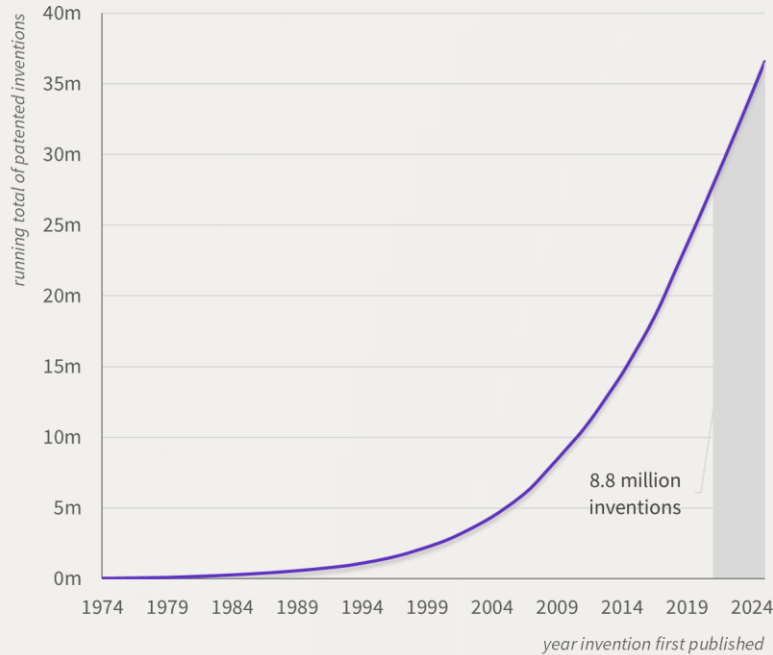
The source and nature of ideas is changing

More

33% of all inventions* in the next 3-4 years

Number of Patented Ideas

Running total of patented invention (non-utility model) publications, 1974 to 2025 (2021 to 2025 forecast)

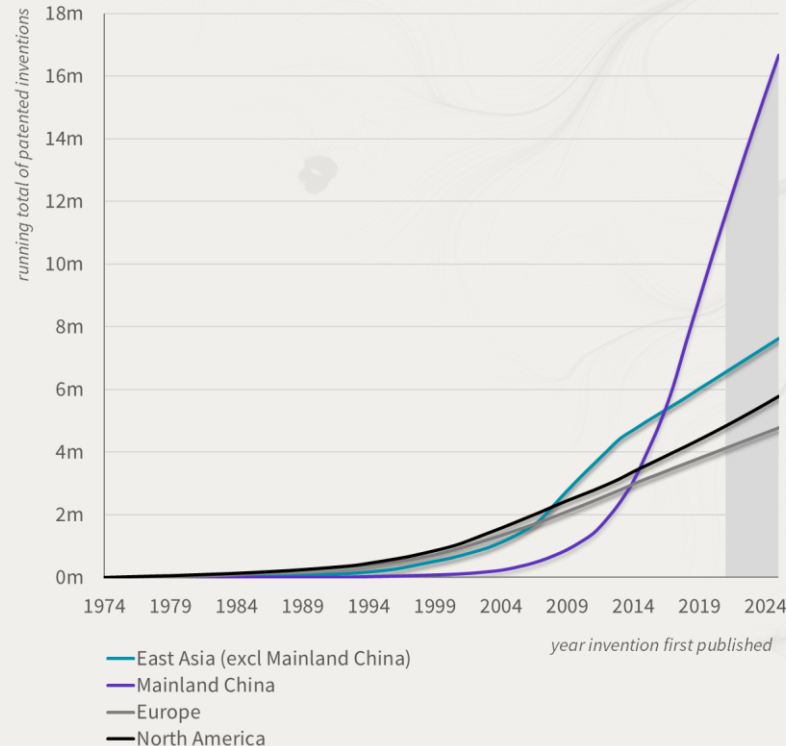


More global

66% of those inventions from Mainland China

Number of Patented Ideas, by region

Running total of patented invention (non-utility model) publications, 1974 to 2025 (2021 to 2025 forecast)

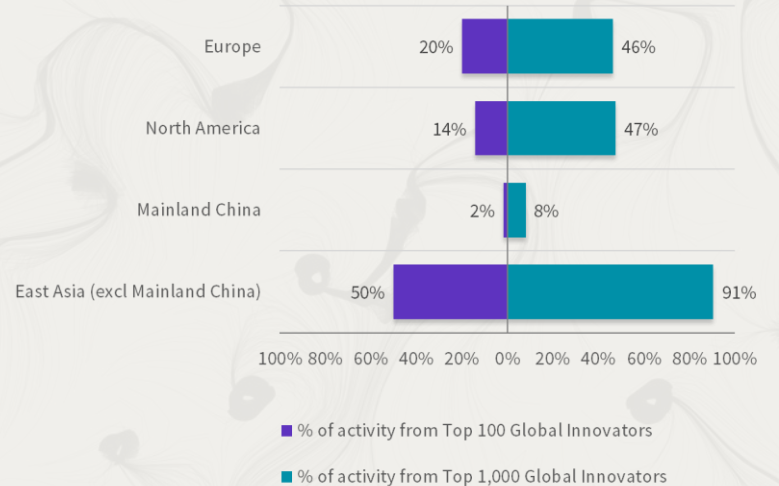


More diverse

Just 8% of inventions from Mainland China emanate from Top 1,000 Global Innovators

Concentration of activity within Global Innovators

Proportion of total activity in region in 2022 Global Innovators 5 year window, from Top 100 and Top 1,000 Global Innovators



Top 100 Reboot



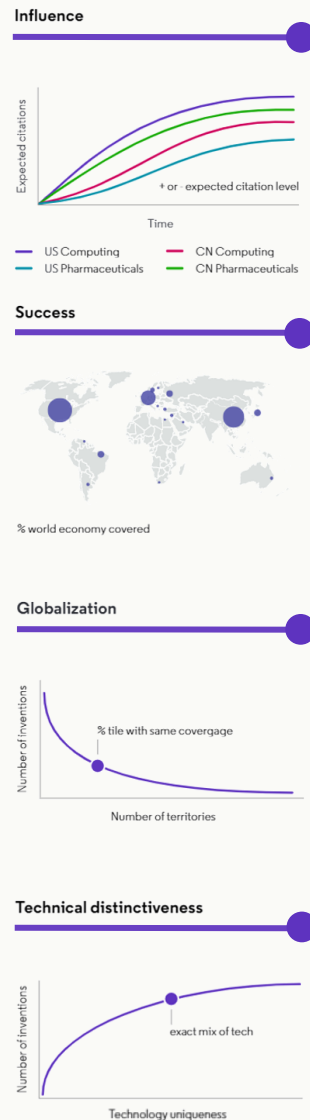
How we identify the Top Innovators

- We score every invention in DWPI using the **Derwent Strength Index**, combining:

 - Influence** – measuring technology, geographic and time-normalized invention-level citation from others
 - Success** – measuring the proportion of the World's economy covered by a granted patent for the same invention
 - Globalization** – measuring the number of unique countries/regions where a patent application has been filed covering the same invention
 - Technical Distinctiveness** – measuring the rarity in our databases of the invention's mix of technologies
- We create a qualifying long list of organizations, sliced for 5 years of data (2016 to 2020)

 - Further calculation of the proportion and scale of internationally granted inventions – the **International Innovator Weighting Factor**
- We take each organizations' *median DSI score* and multiply it by the *International Weighting Factor*

We rank all entities on their final score and select the Top 100.



1 All patented ideas



50M inventions compared on these factors

- Influence
- Success
- Globalization
- Technical distinctiveness



= Derwent Strength Index

2 All applicants



500 published inventions

100 granted inventions

Qualifying long list

= International Innovator Weighting factor

3 Derwent Strength Index × International Innovator Weighting factor = Global Innovator Score



Benjamin Bai

Vice President and Chief IP & International Litigation Counsel
Ant Group



Fredrik Egrelus

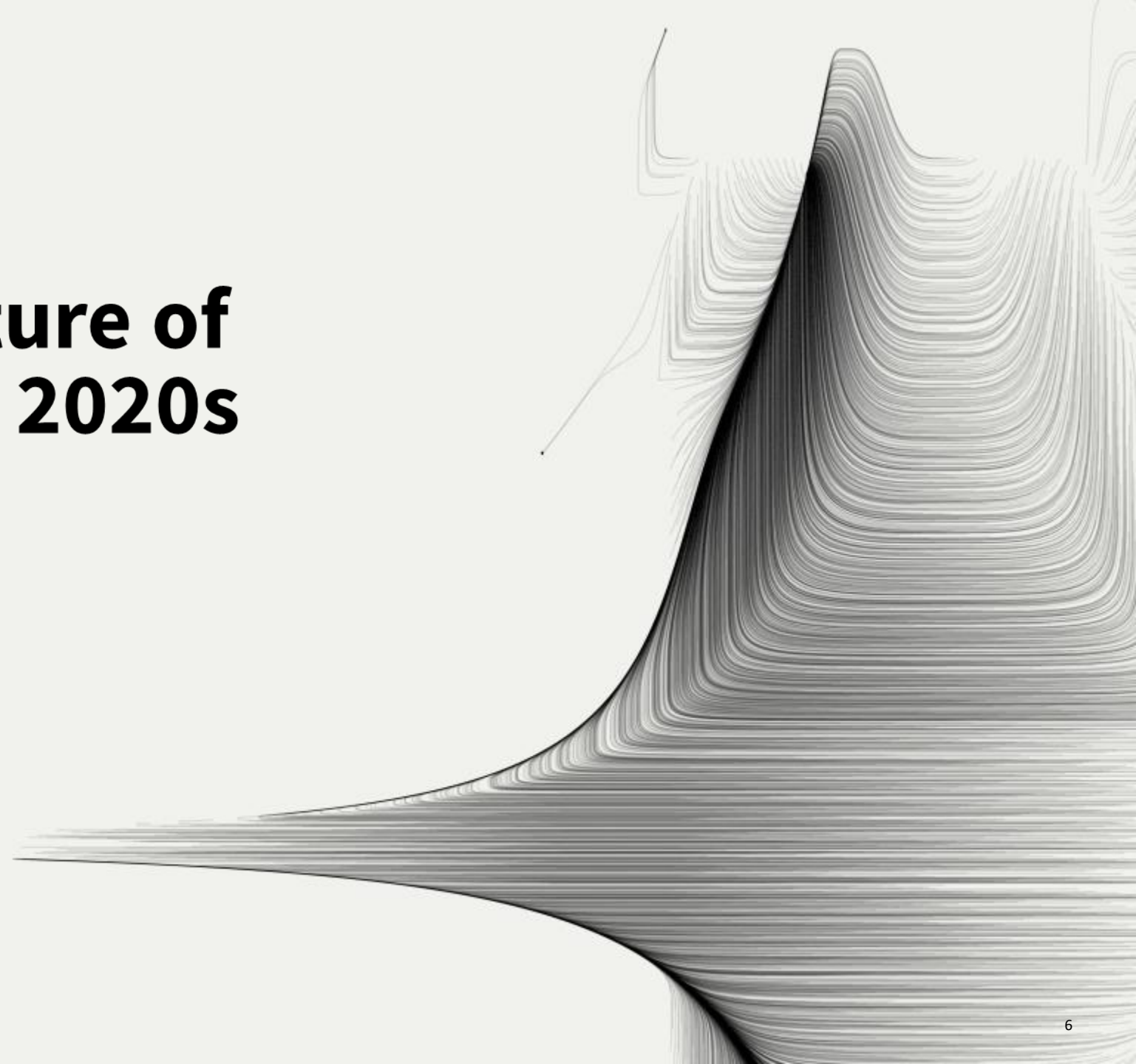
Director, Patent Unit
Ericsson



Ed White

Chief Analyst and VP, IP & Innovation Research
Clarivate

The need and nature of innovation in the 2020s



Finding the innovation signal



The future shape of innovation

Your questions to the panel

