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PatentSight Webinar

The Global Migration of IP

Detecting and Describing Global Migration of IP

Presenters

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Outline

- Over the last decades a global migration of IP could be observed.
- For example, in the case of LED and lithium-ion batteries (LIB)
  - the early stages of development of the technology were conducted in US/JP/EU,
  - then adopted and scaled in KR/TW,
  - and are now being manufactured in CN.
- This migration of manufacturing locations implies a similar migration of the respective IP that was developed.
- This webinar is to exemplary show this migration pattern for LED and lithium ion battery technologies, and to discuss candidates for the "next technology to move" using advanced patent analytics, high quality patent data, and scientifically proven patent quality metrics.

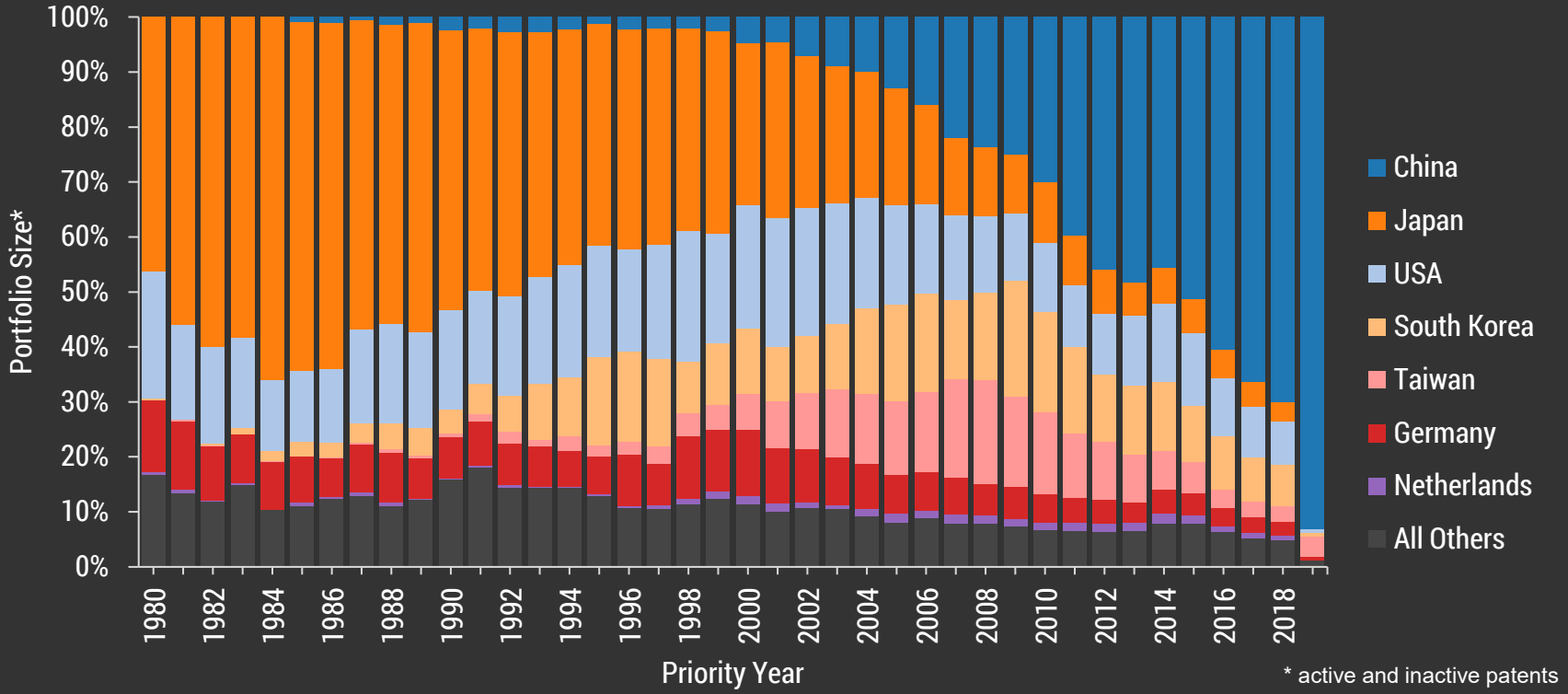
Light Emitting Diodes

Where are LED invented?

Authority - origin	Portfolio Size*	Portfolio Size (Share)*
China	77,371	37%
Japan	31,577	15%
USA	29,436	14%
South Korea	25,404	12%
Taiwan	17,848	9%
Germany	11,847	6%
France	3,595	2%
United Kingdom	2,879	1%
Russia	2,506	1%
Netherlands	2,458	1%

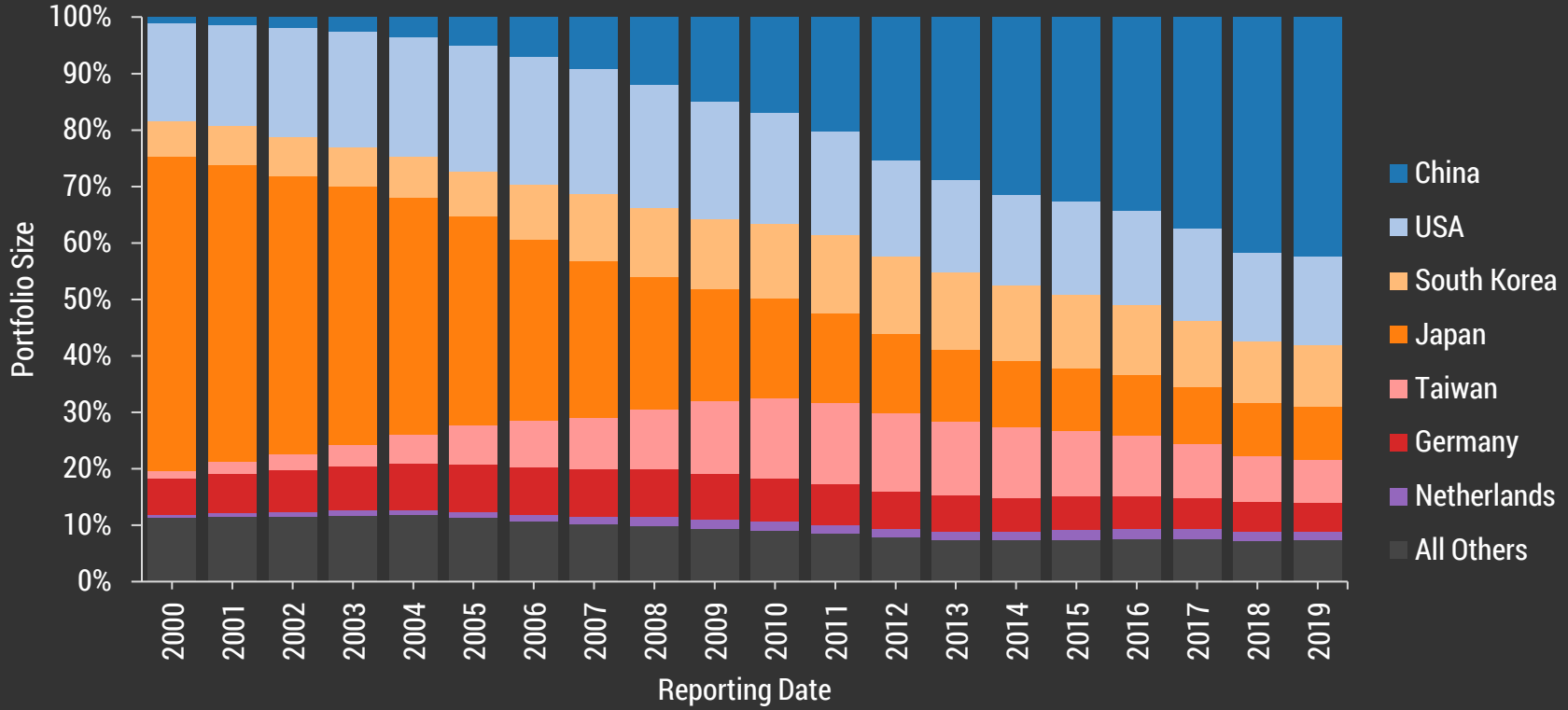
* active and inactive patents

When and where were LED inventions made?

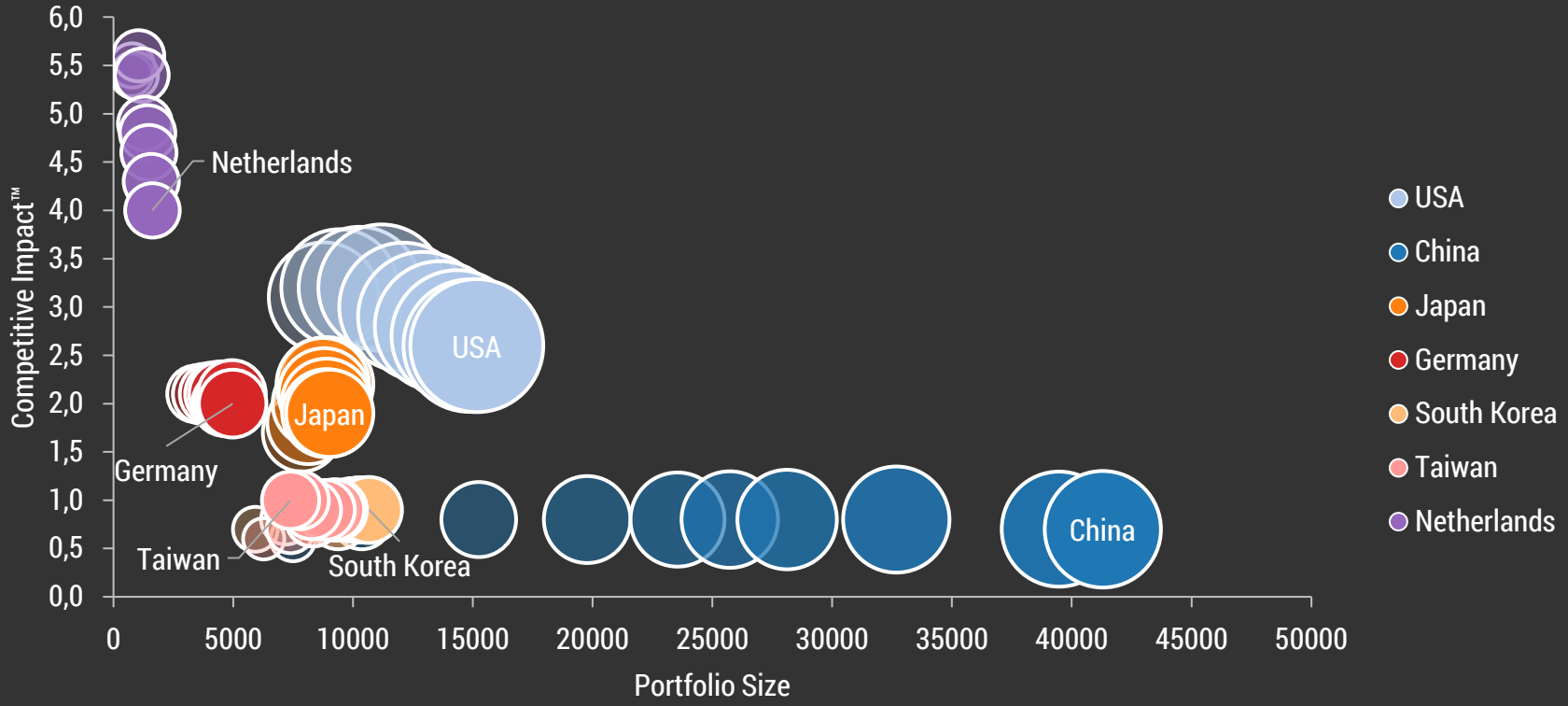


* active and inactive patents

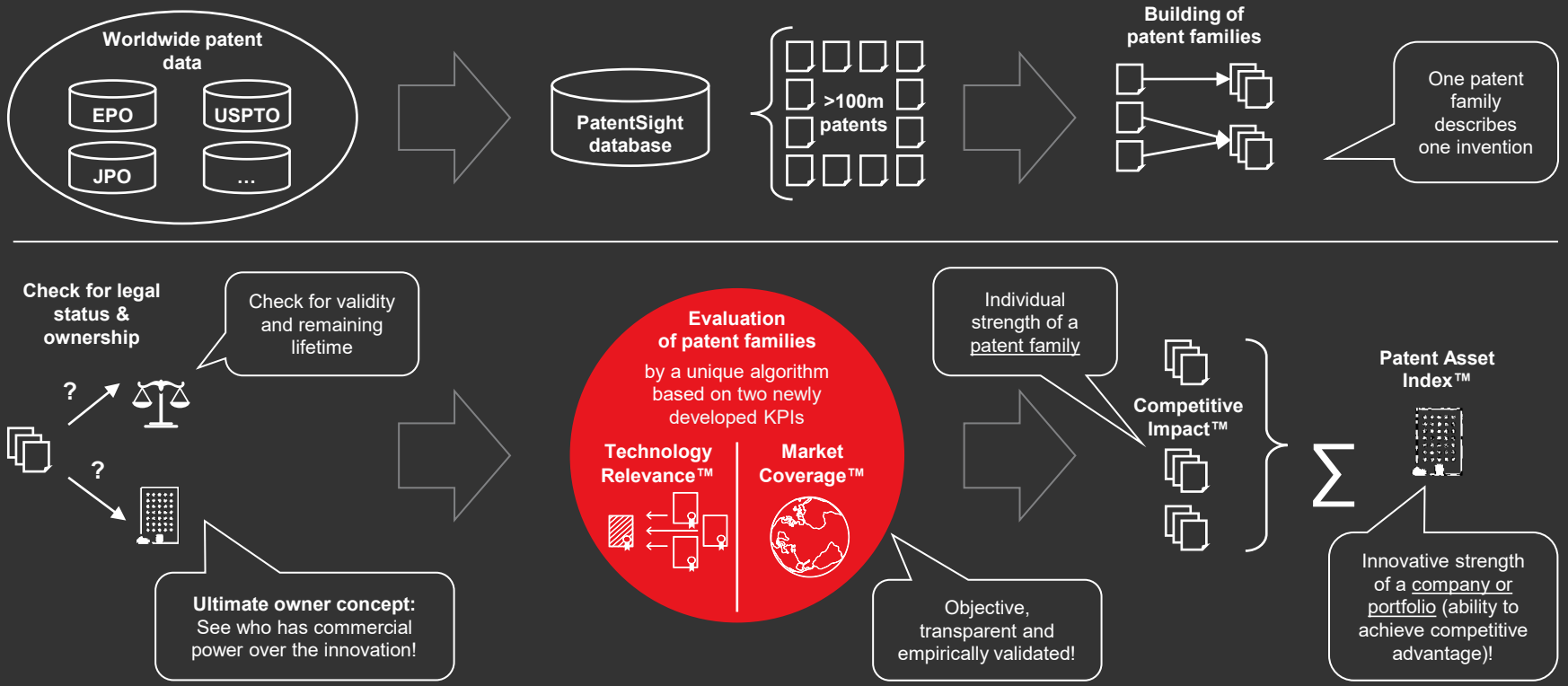
The quantity distribution of LED patents among the countries of origin over time



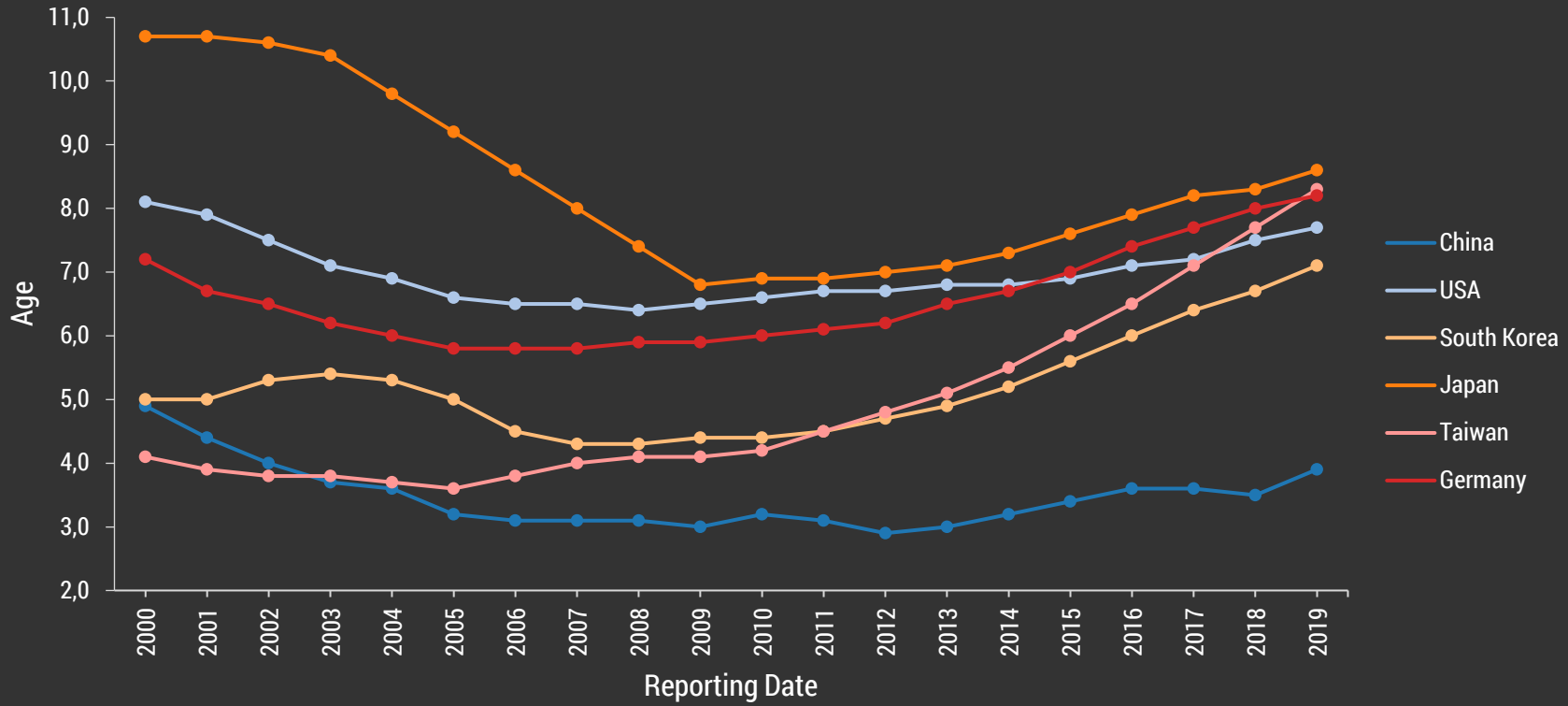
The quality and quantity of LED patents for selected countries of origin



Date Driven Patent Valuation



The average age of LED patents for selected countries of origin over time



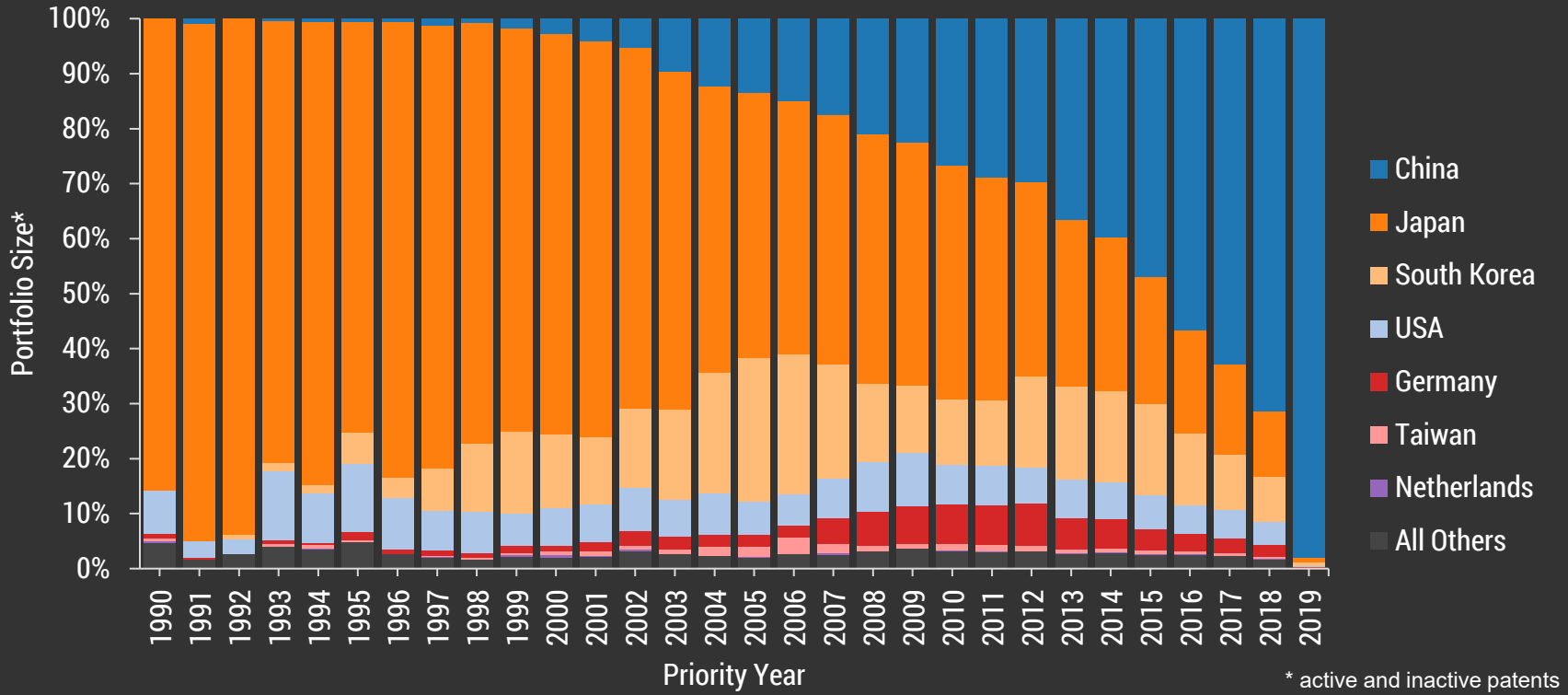

Lithium Ion Batteries

Where are lithium ion batteries invented?

Authority - origin	Portfolio Size*	Portfolio Size (Share)*
China	44,894	43%
Japan	33,825	32%
South Korea	13,480	13%
USA	6,293	6%
Germany	4,026	4%
France	1,105	1%
Taiwan	811	1%
Canada	593	1%

* active and inactive patents

When and where were lithium ion battery inventions made?



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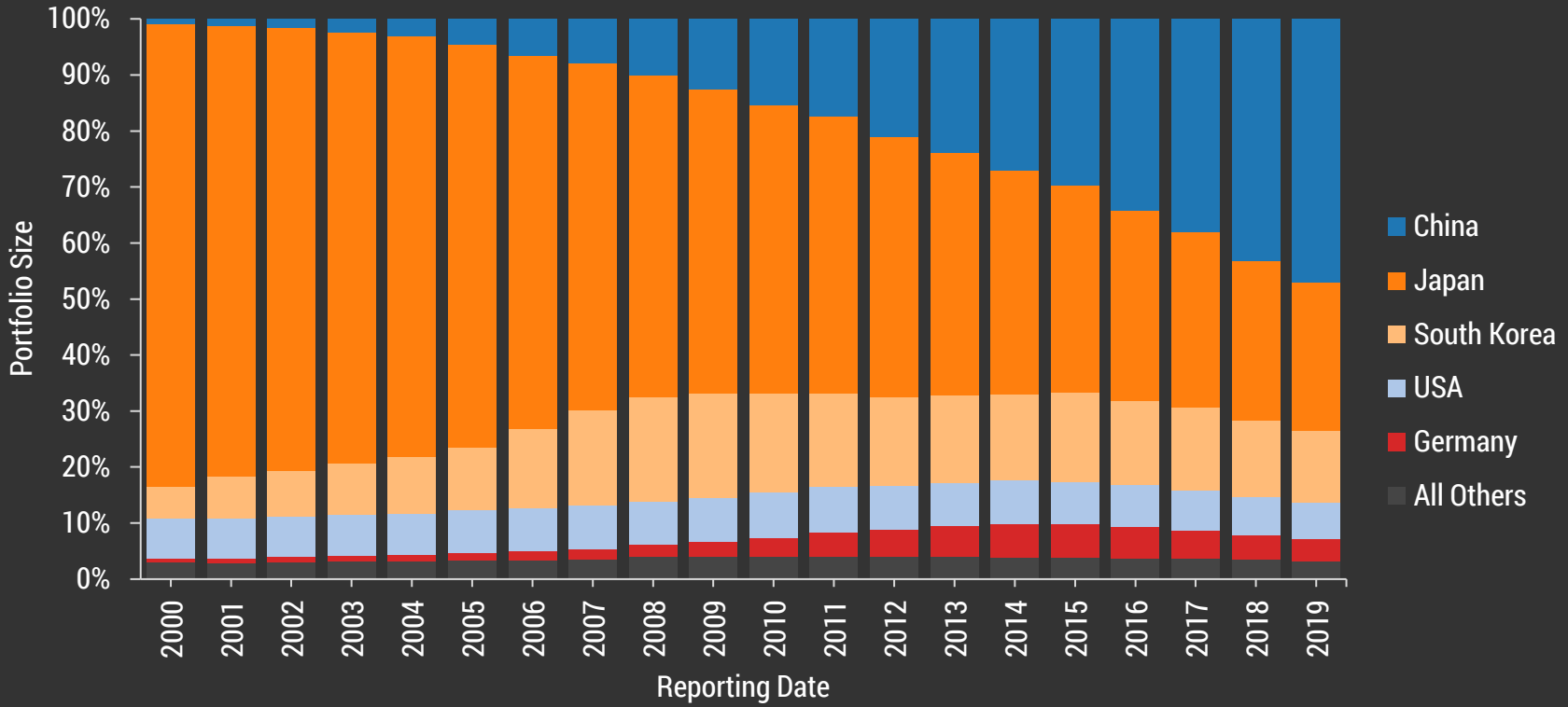
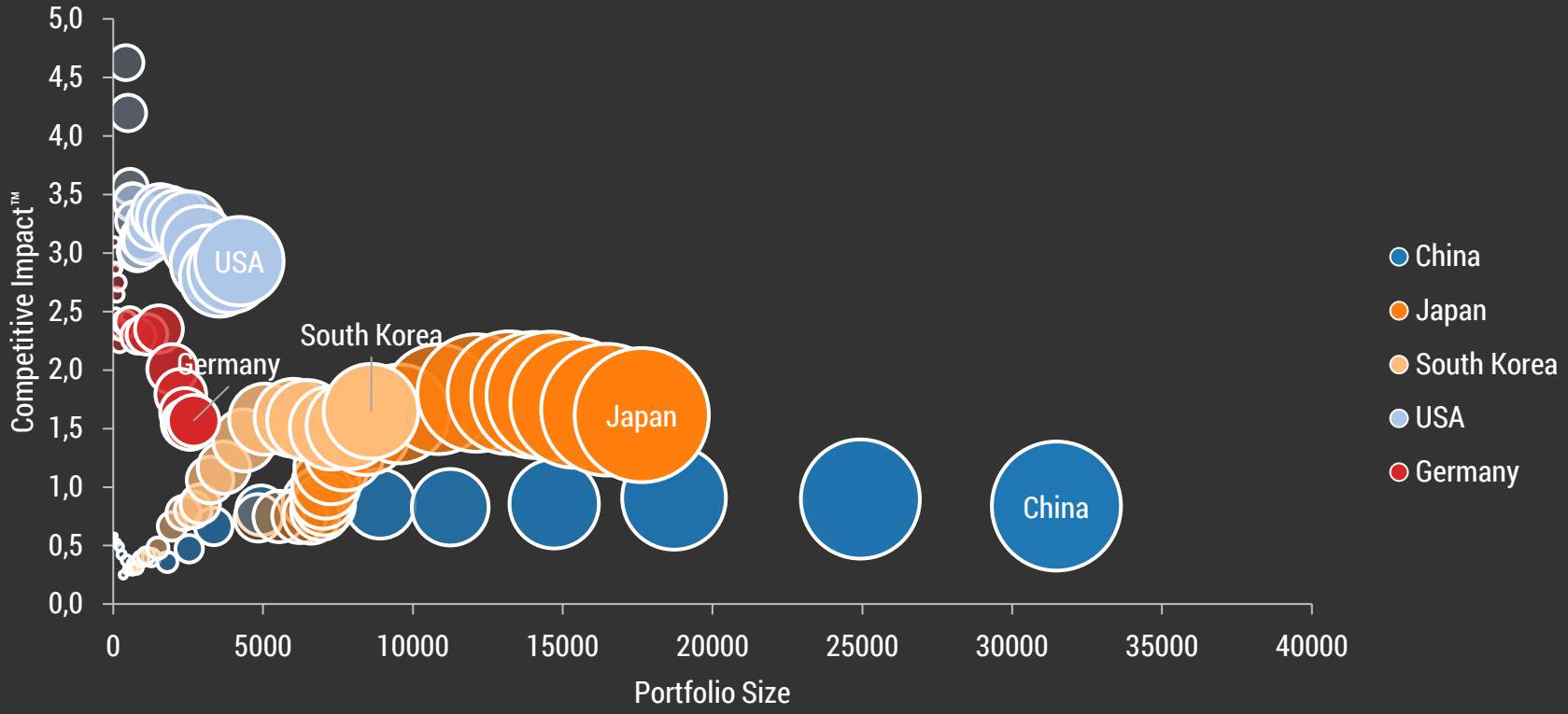
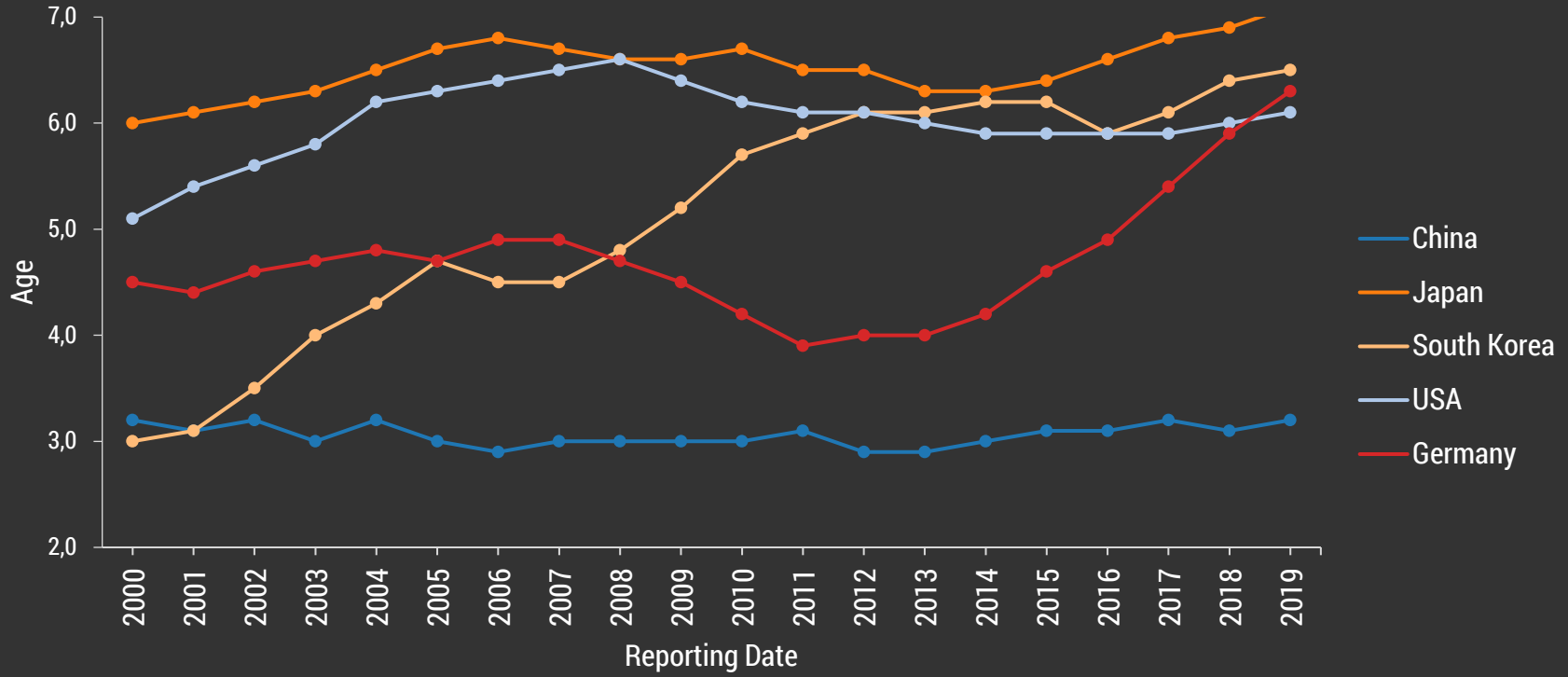
The quantity distribution among the countries of origin over time



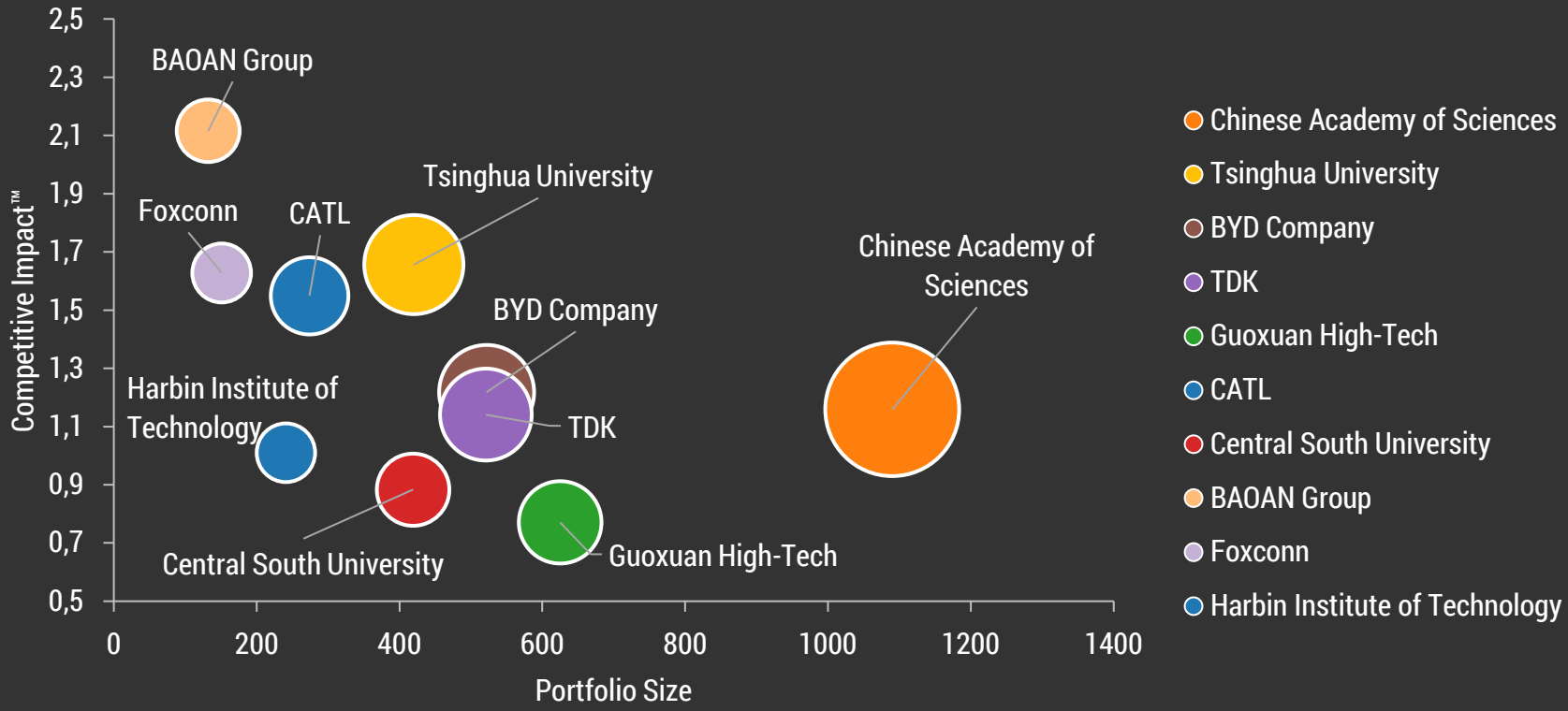
The quality and quantity of lithium ion battery patents for selected countries of origin



The average age of lithium ion patents for selected countries of origin over time



Quantity vs. quality for selected Chinese lithium ion battery patent owners




What is the next technology?
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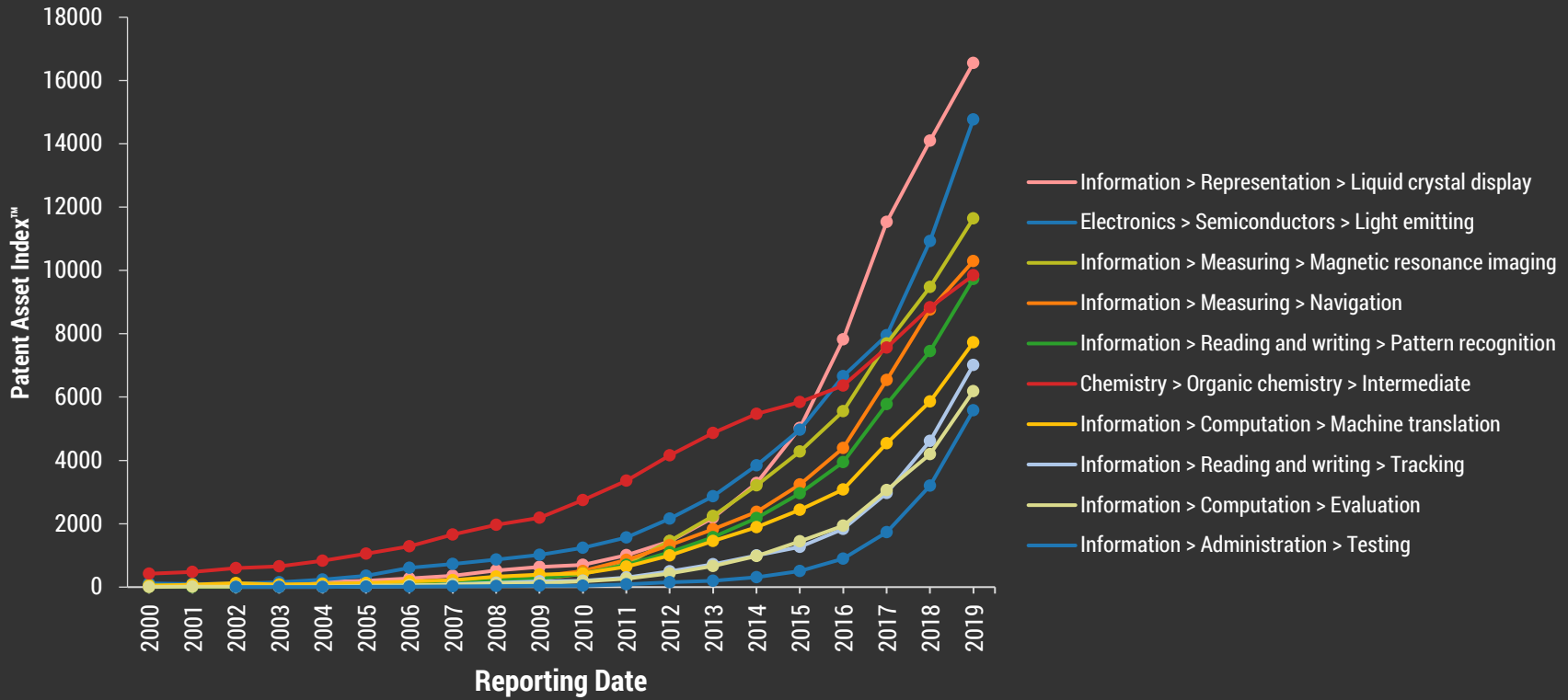
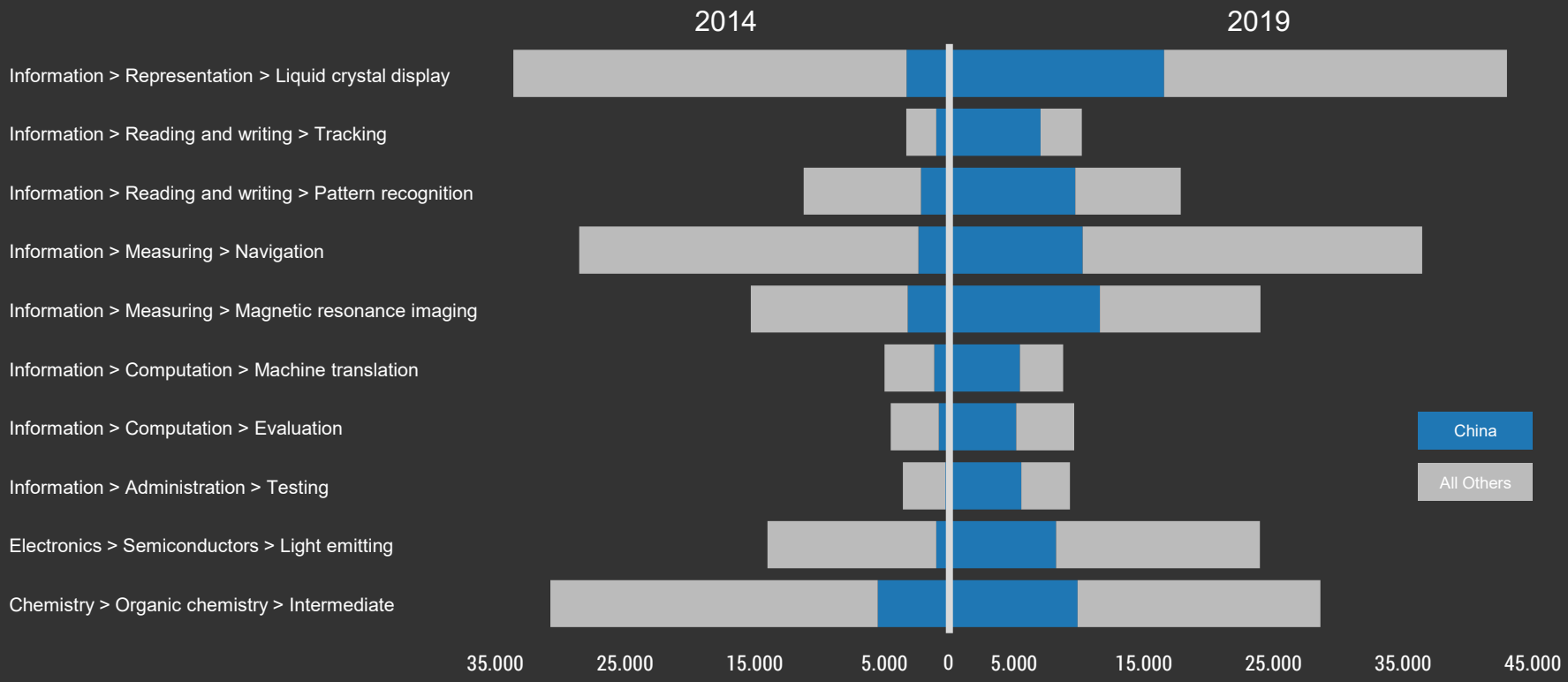
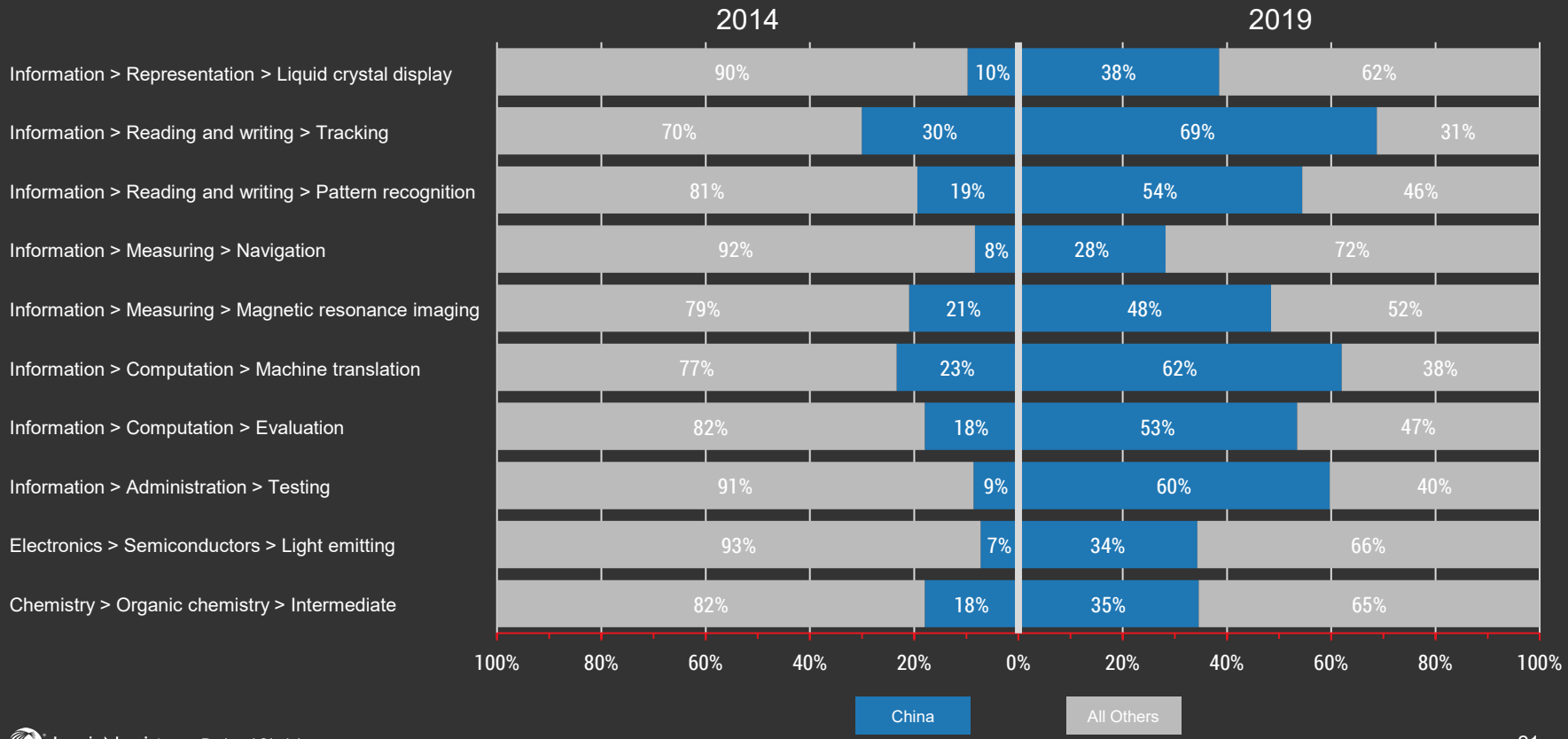
Thriving technology areas in China



Thriving technology areas in China: 2014 vs. 2019



Thriving technology areas in China: 2014 vs. 2019



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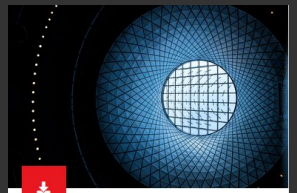

Looking into the Digital Crystal Ball

Early Identification of Disruptive Players with Advanced Patent Analytics

Merger Deals Increasingly Scrutinized Using Patent Analysis

Digital Aliens in Autonomous Driving

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During this panel discussion with **department heads of international patent offices**, we would like to touch on the following:

- What is the respective mandate of the patent offices?
- What are the offerings and free or paid services around patent analytics which can be obtained from these offices?
- What are the requirements of the patent offices' customers?
- What challenges do the patent offices currently face and what solutions do they see for the future?

Thank you

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