

How to utilize IC information for investment

Tatsuo Nakamura

**Information and Knowledge for All:
*Towards an Inclusive Innovation***

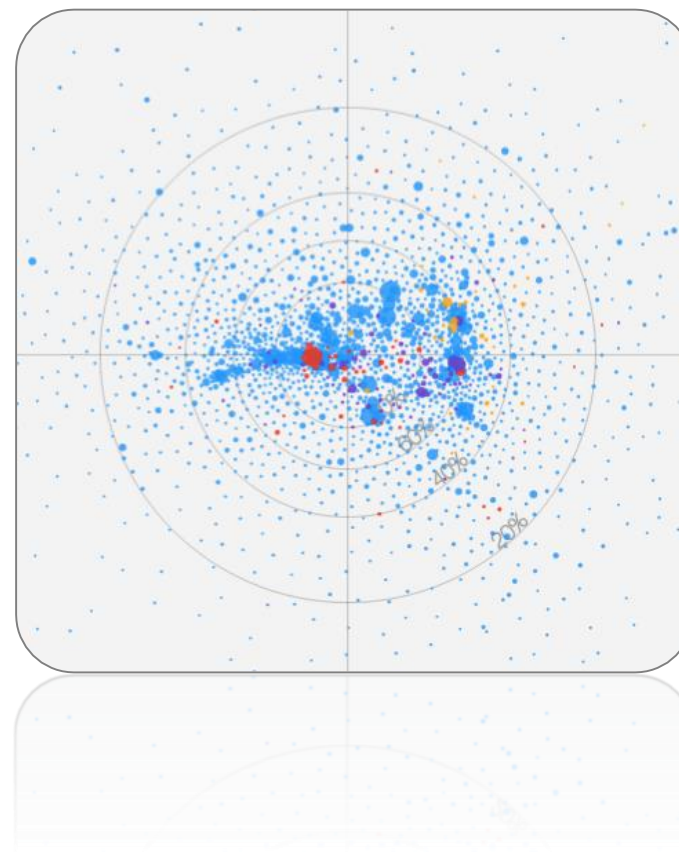
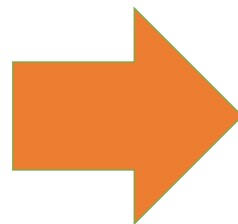
The World Conference on Intellectual Capital for Communities

UNESCO, July 3&4 2017

A picture is worth 1000 words

	TEXT	SOUND	VISUAL	
			PICTURE	MOVIE
Amount of data	1	<	<<	<<<<
Pros	Easy	Can be done simultaneously with other tasks	Can be understood at a glance	Feels complete
Cons	Incremental work, time-consuming	Requires signal transfer	May require a caption	Incremental work, time-consuming

Reading vs. Viewing



Which would you rather navigate with?



Which is more maneuverable?

- Primitive Map

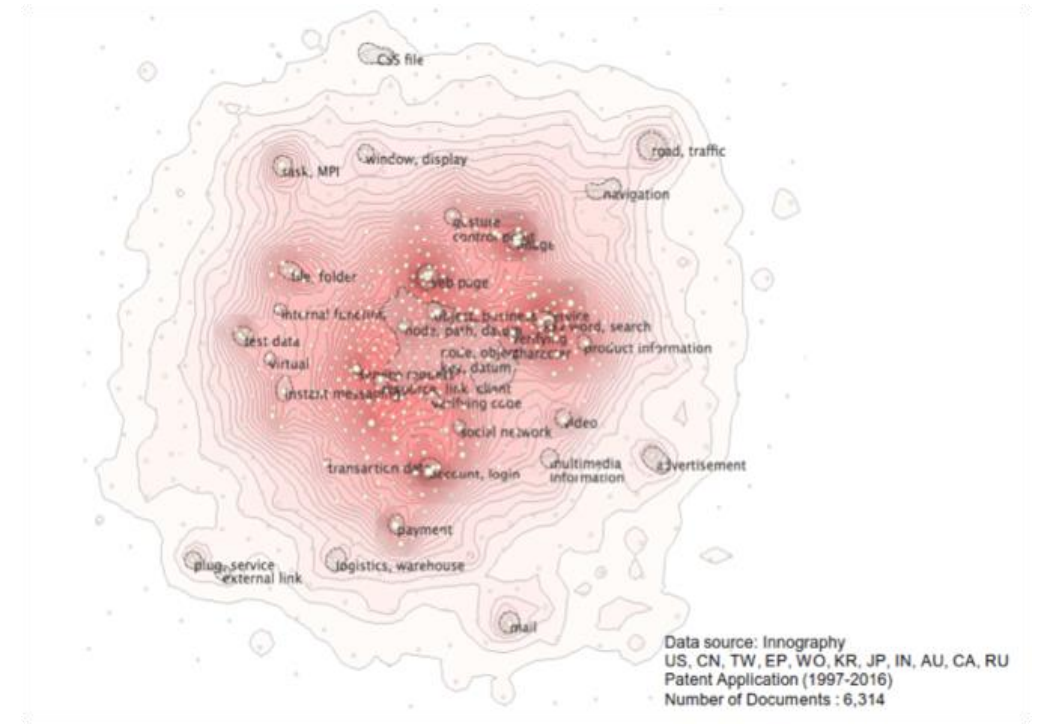
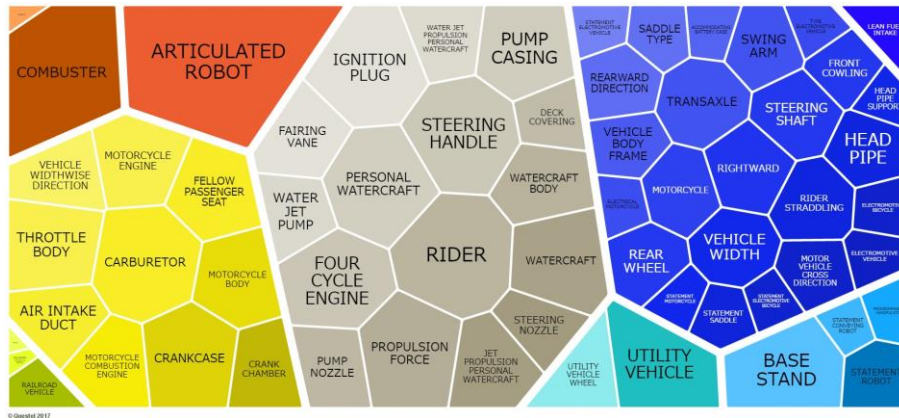


- Accurate Map

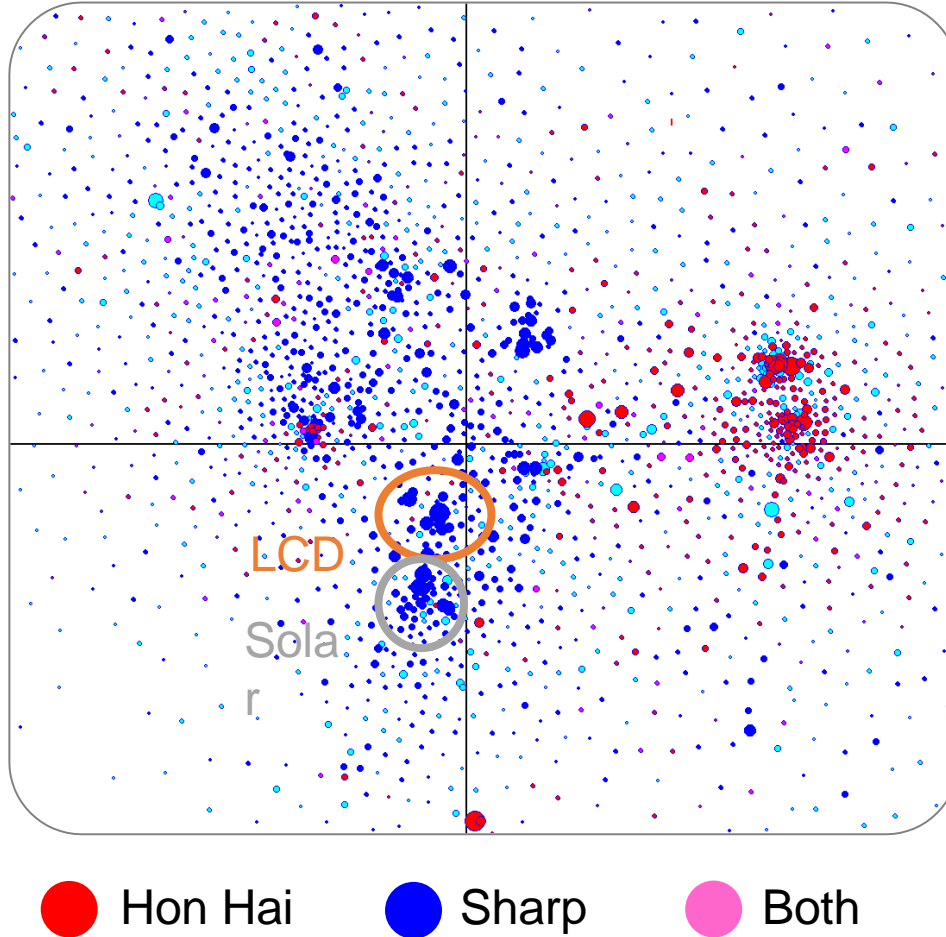


Which is closer to the truth?

- Distorted Map
- Accurate Map



SHARP and Hon Hai in 2012

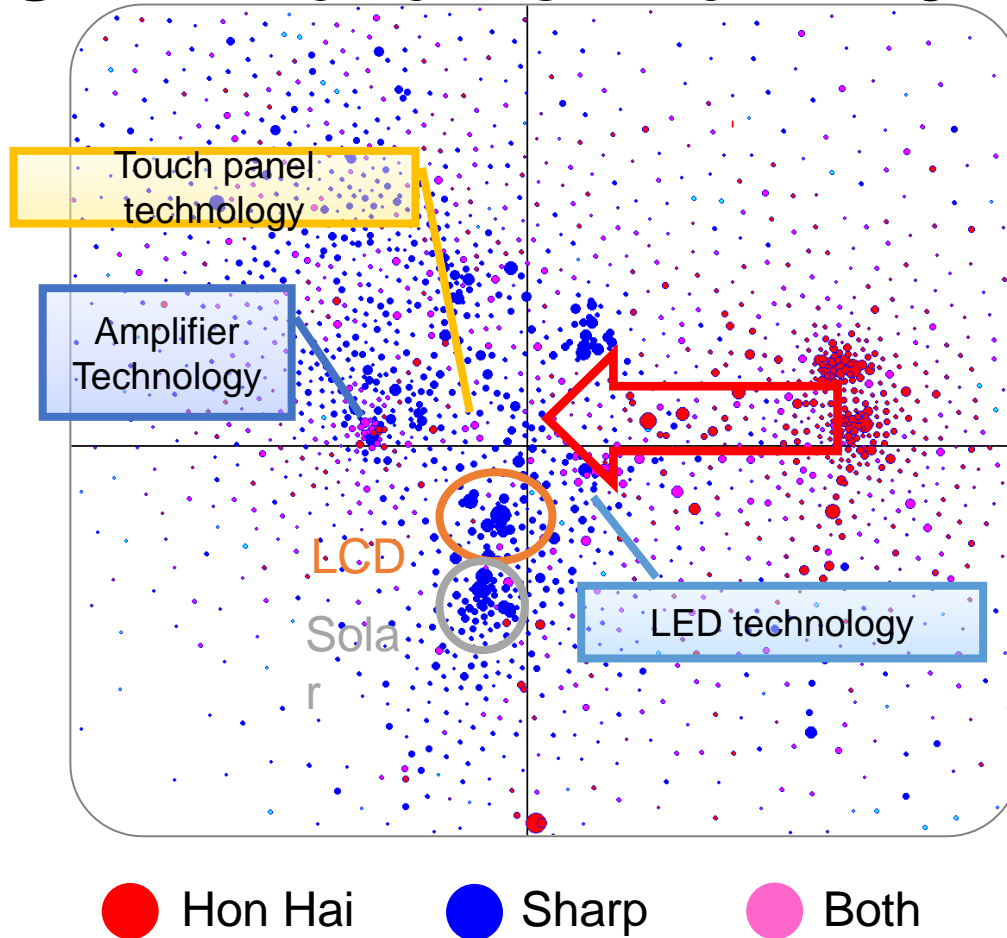


Until 2012, there were few common technical fields between SHARP and Hon Hai.

Sharp asked Hon Hai to invest but failed.

Hon Hai proposed a US\$13m investment in an LCD company.

SHARP and Hon Hai in 2016



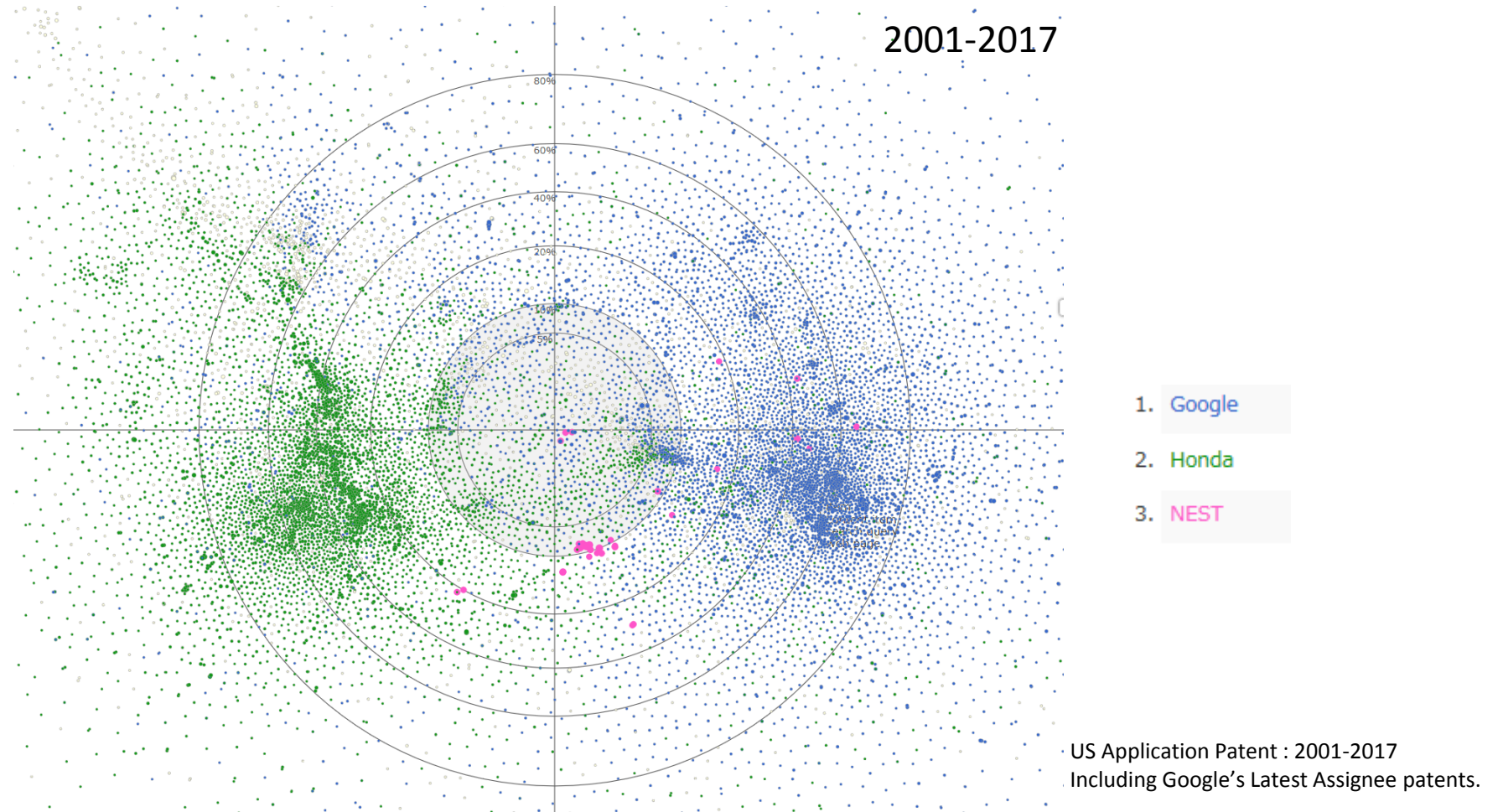
By 2016, Hon Hai (Foxconn) had moved closer to SHARP's core technology areas.

SHARP lost its technical advantage in 4 years.

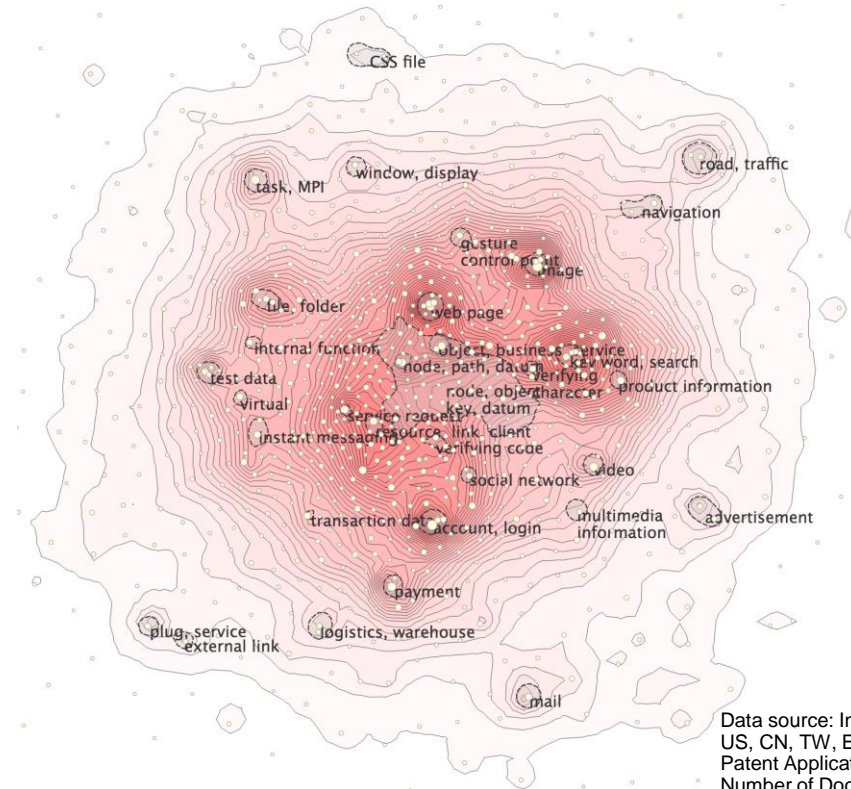
Was it ever worth \$6bn?
(Final price was near \$3.5bn)

Can Nest provide a bridge technology?

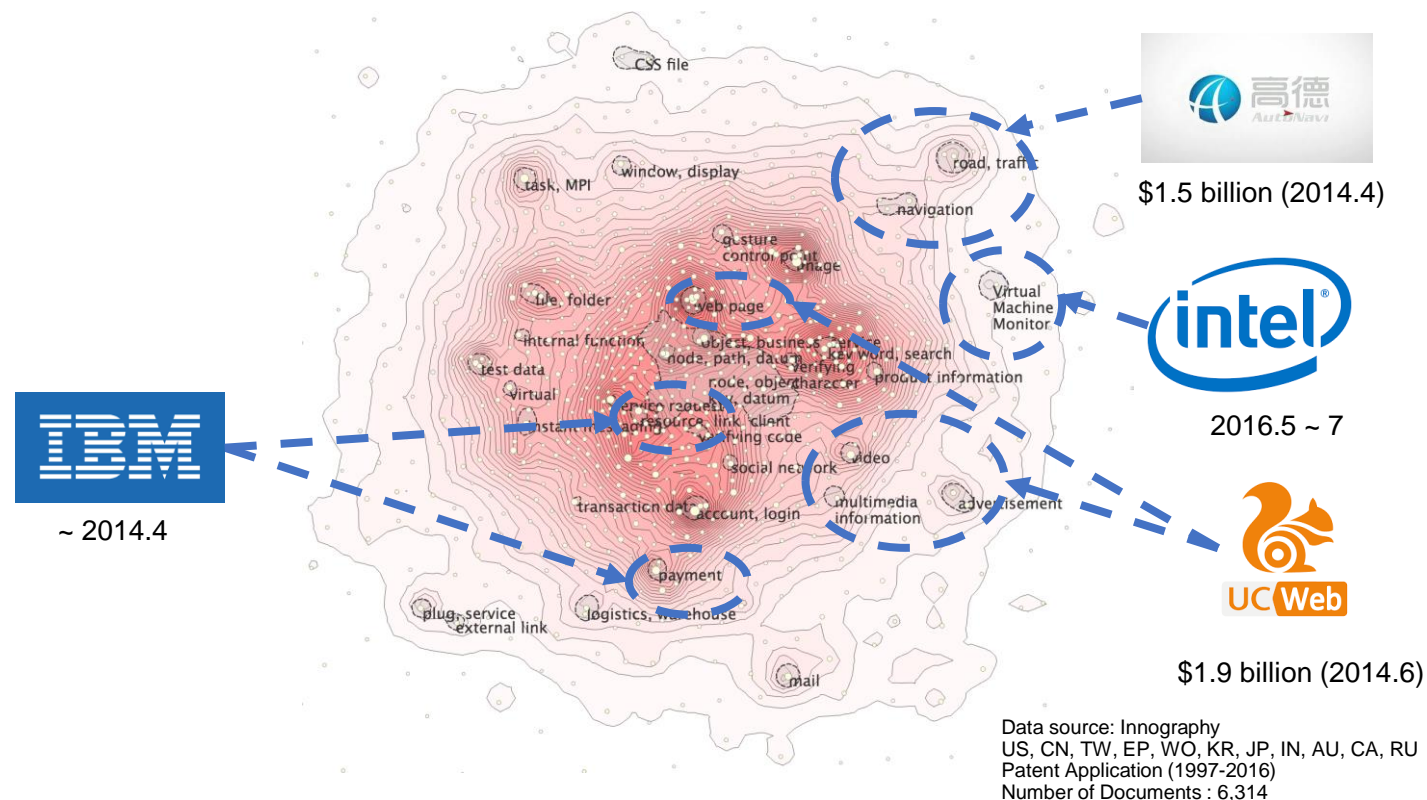
Patents Gravity are moving to Automobile area



What's in Alibaba's patent portfolio?

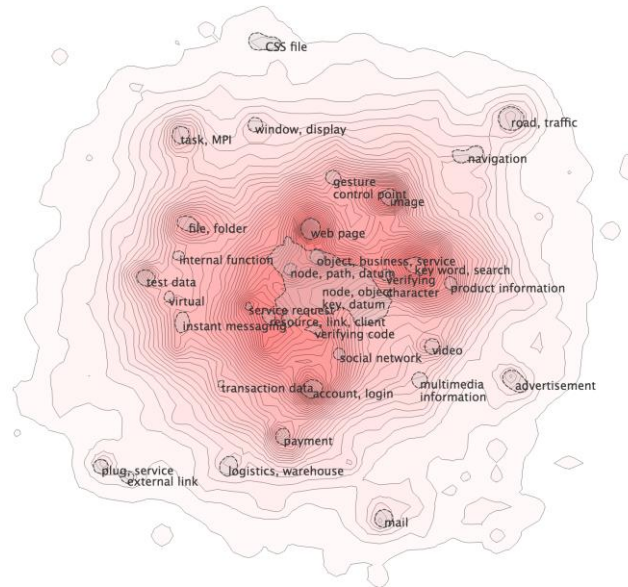


Alibaba boosted its patent portfolio before the IPO (Sept. 2014)

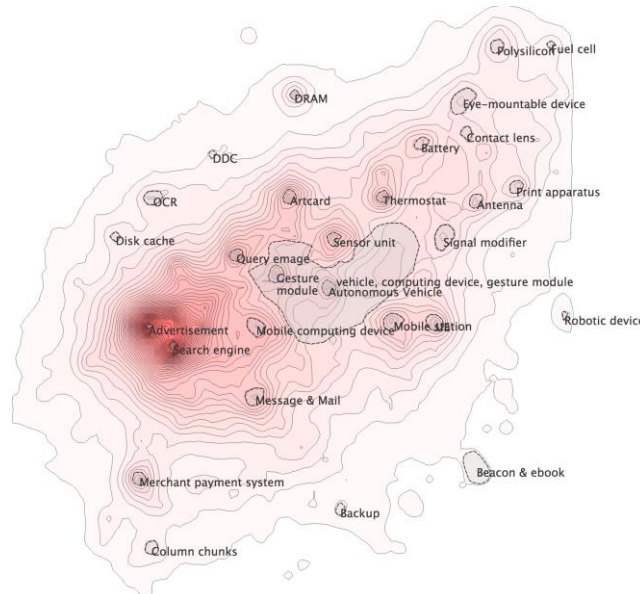


Alibaba and Google look similar

Alibaba's Patent map Google's Patent map

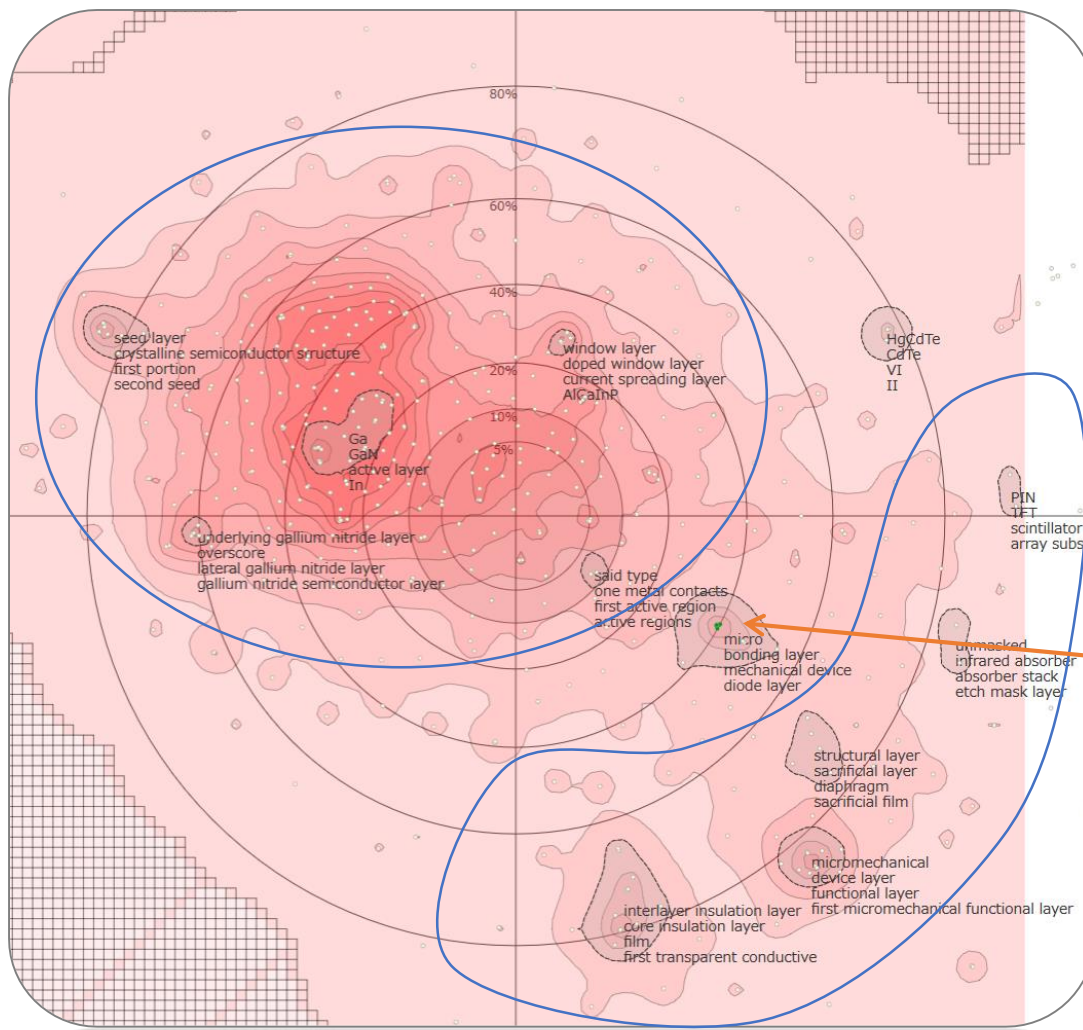


Data source: Innography
US, CN, TW, EP, WO, KR, JP, IN, AU, CA, RU
Patent Application (1997-2016)
Number of Documents : 6,314



Data source: USPTO
US Patent Application (2001-2017)
Number of Documents : 18,564

LuxVue



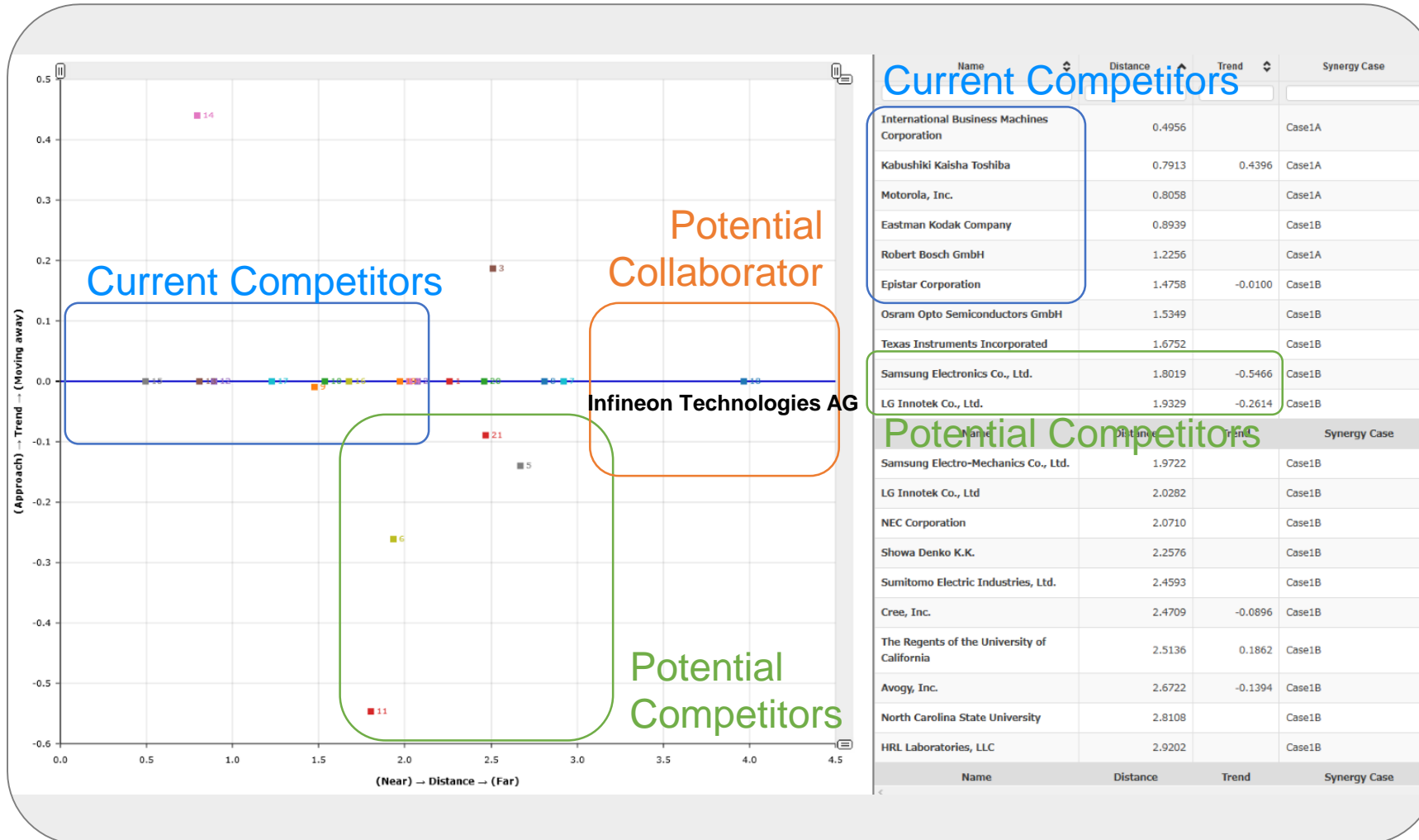
LuxVue Technology Corporation develops low-power, microLED-based displays for consumer electronics applications.

It is in the best position to connect Process and Application.

US 8552436

https://tr.xlus.net/public_dashboard/820312f2-3eb6-47c3-aac7-a3f12da5af69/dashboard

LuxVue's current competitors & potential risks



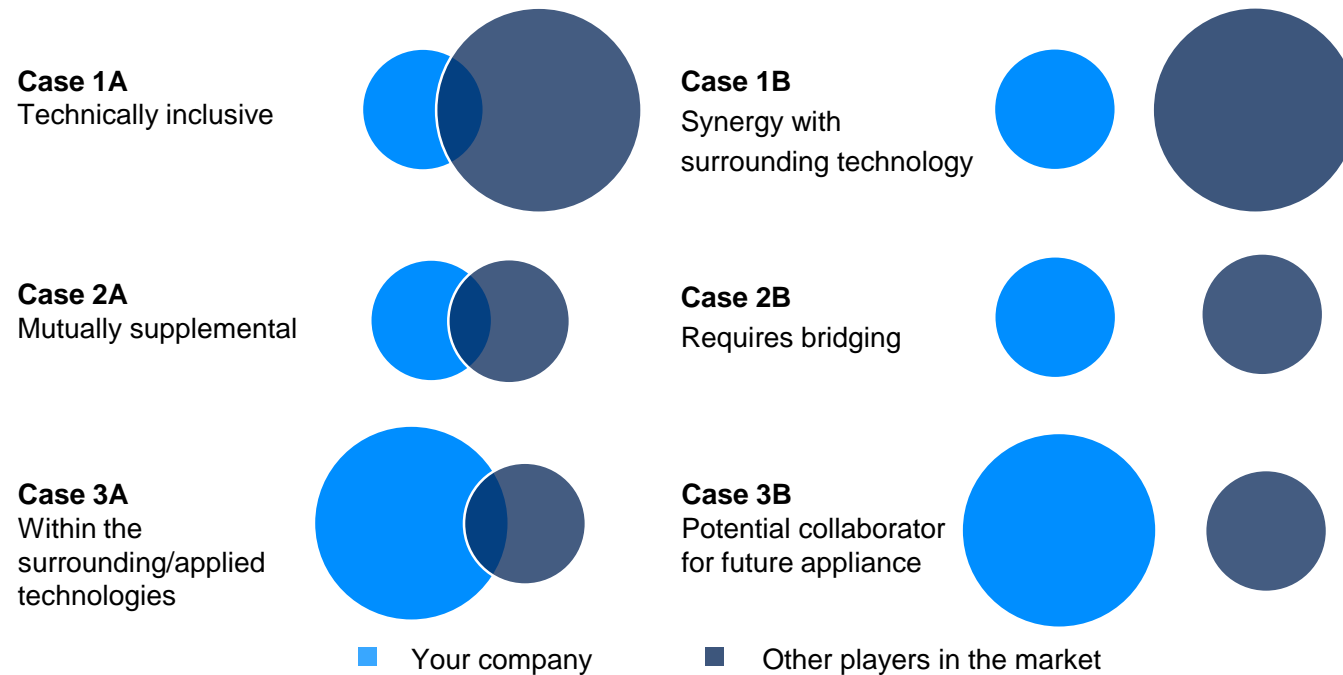
Synergy Cases

- Synergy can be measured by
 - Distance of core technology between Both companies
 - Width of Technology Fields

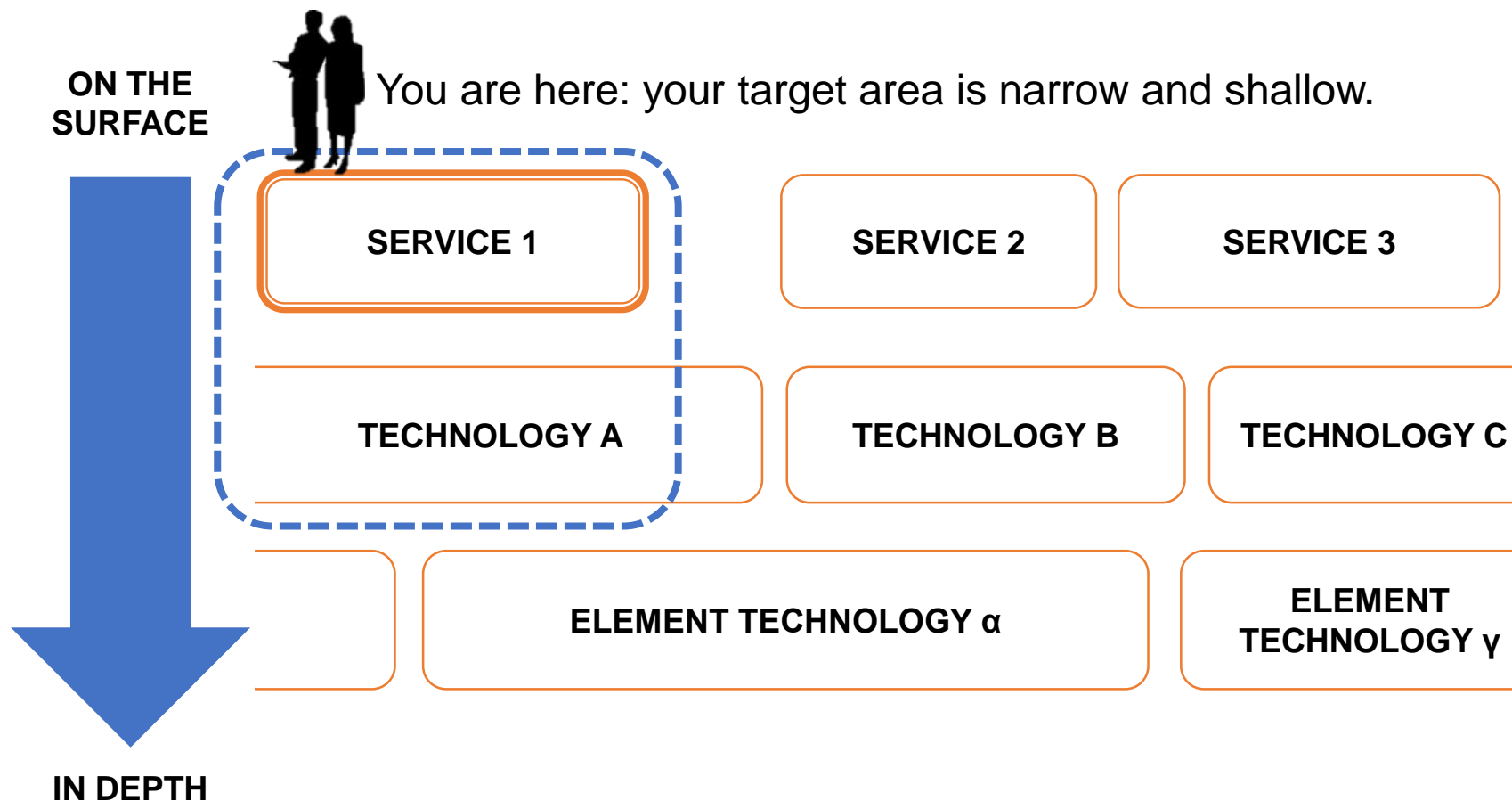
Synergy Categorization

6 cases based on 2 factors:

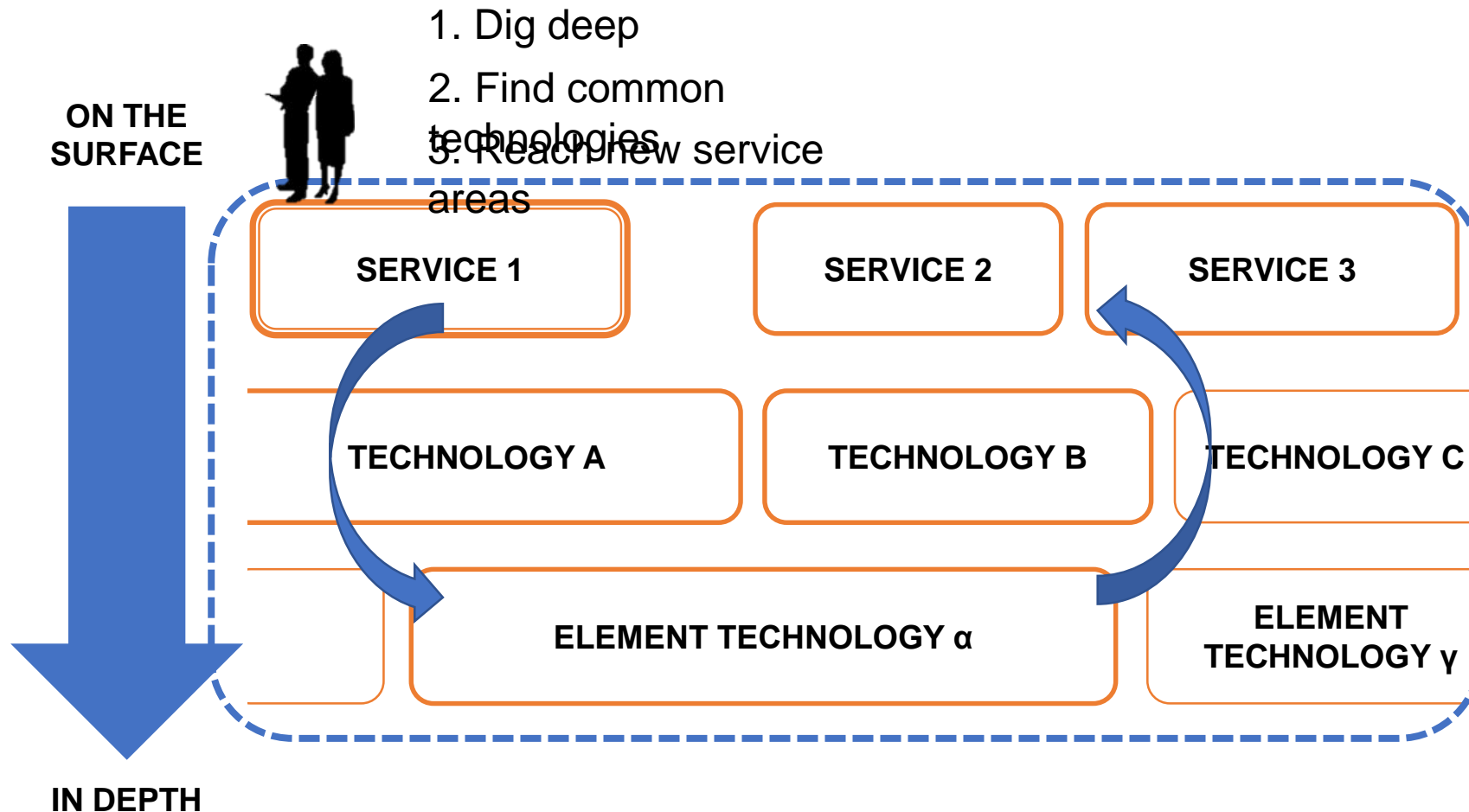
1. Size of R&D boundaries
2. Distance and correlation between R&D centers



Discover new services...

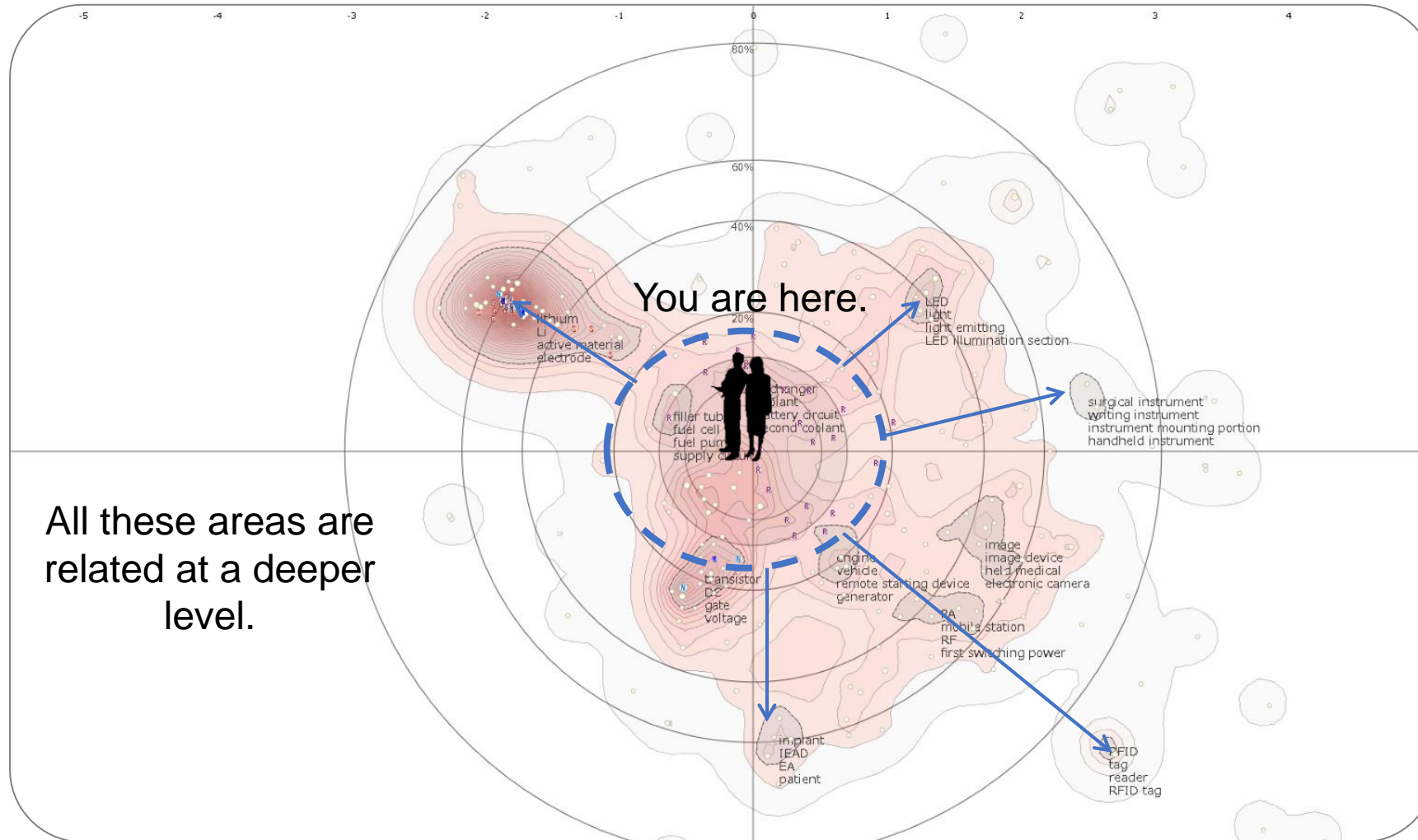


...with Panoramic View



This is Panoramic View.

Reach new areas

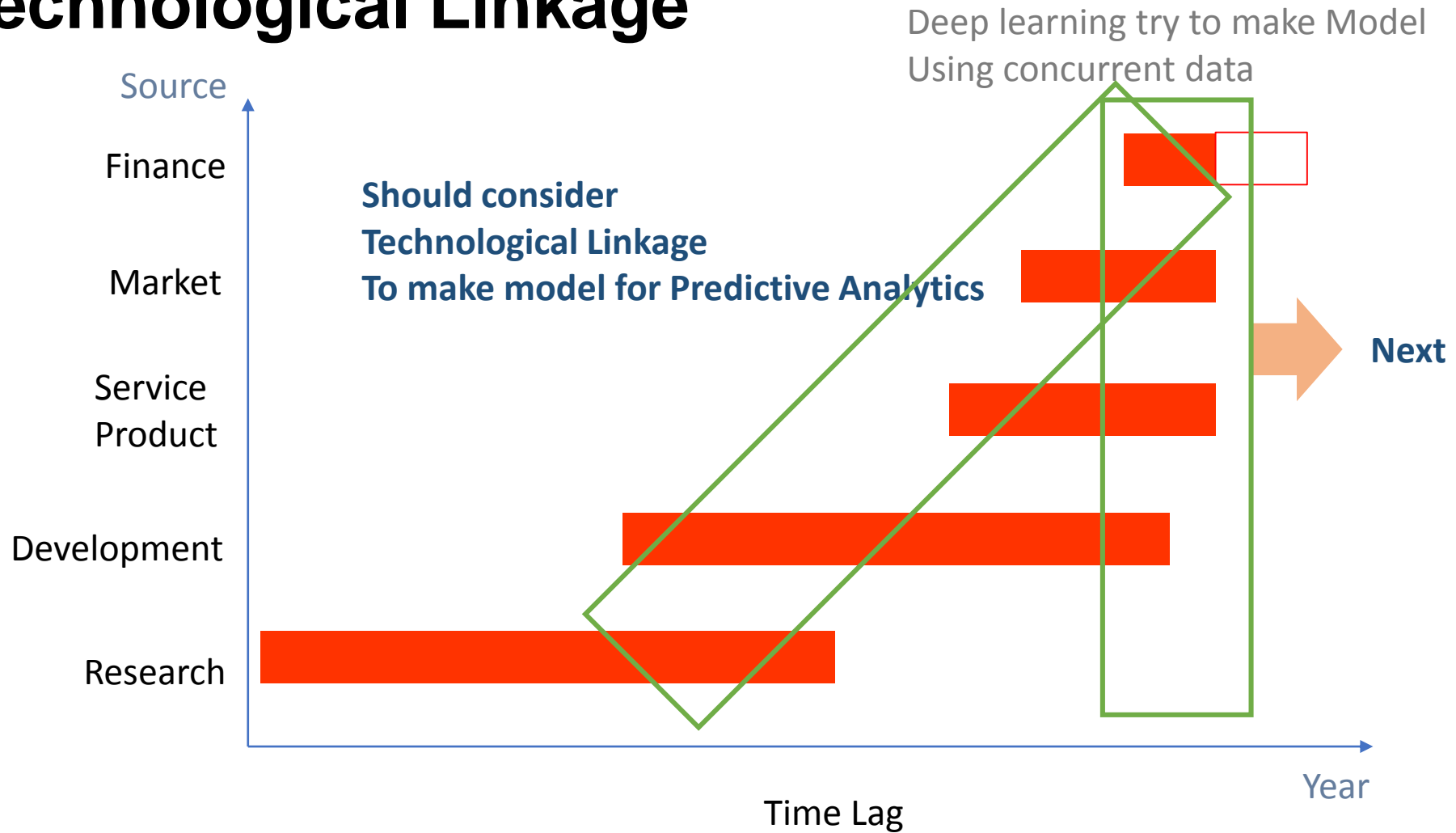


* 3,000 US application patents related to “battery” & “power supply” from 2005 to 2016 (random sampling)

What *is* White Space?

- Patent data is past data.
- When planning the next product and/or service, we need to find completely new technical fields. This is where White Space comes in.

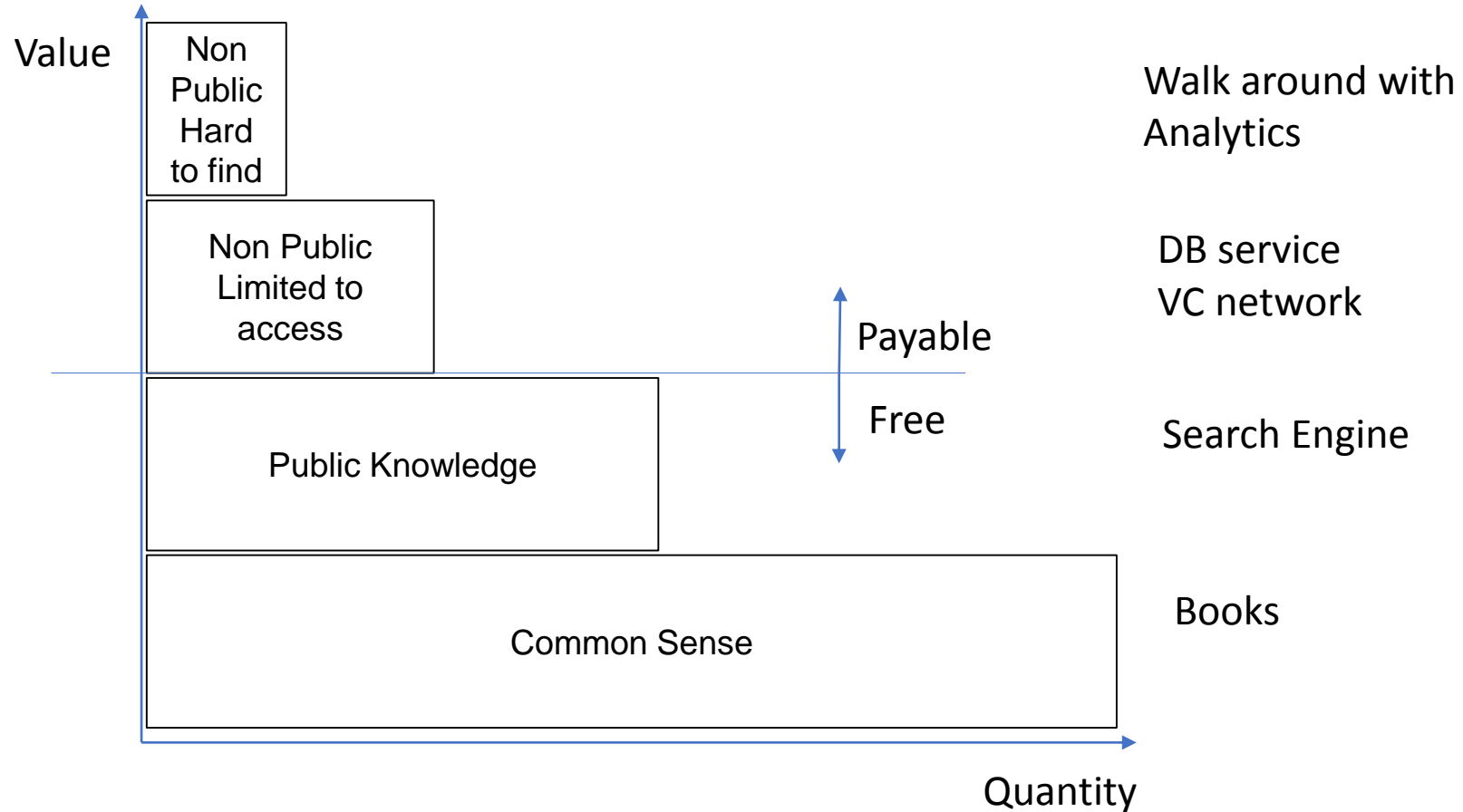
Technological Linkage



Data Fusion

- Patent Documents is very sophisticated and clumped to handle and seeds information.
- When we think about future products, service, marketing data, review data, product and service release information are needed to analysis.
- Valuenex's DocRadar is the service for the aim to expand data source to analysis.

Where should we stand to find valuables?



Conclusion

- Panoramic View Analysis allows you to:
 - Reduce costs and save time
 - Find emerging fields
 - Easy detect white space and future links
 - Evaluate relative value of technologies
 - Simulate M&A effectiveness



Think Future Act accuracy with open mind

iC

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In the Knowledge
Economy

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VALUENEX,Inc.

www.valuenex.com

customer@valuenex.com