



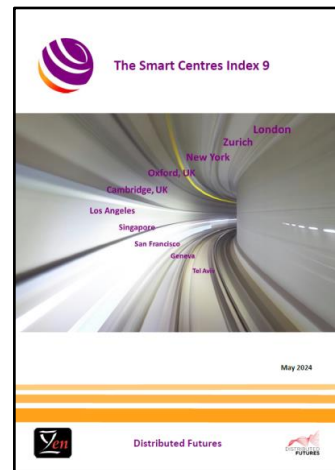
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*"Zest for Enlightenment"*

# SMART CENTRES INDEX 9 GLOBAL LAUNCH

30 May 2024



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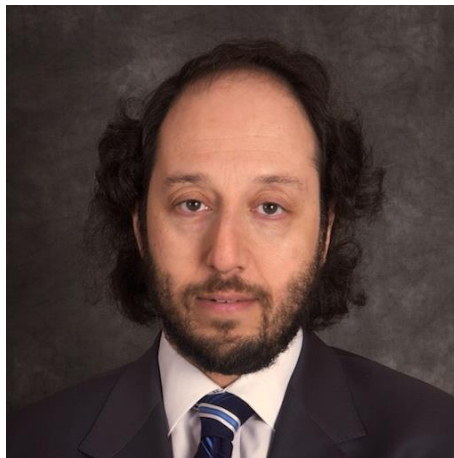


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# Welcome & Introduction



Ian Harris  
Director  
Z/Yen Group





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# Programme



09:00	Welcome & Introduction <i>Ian Harris, Director, Z/Yen Group</i>
09:05	Smart Centres Index 9 Results <i>Mike Wardle, Chief Executive Officer, Z/Yen Group</i>
09:15	Observations, <i>Ian Harris, Director, Z/Yen Group</i>
09:20	Questions, Comments & Answers
09:30	Close



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# Smart Centres Index 9 Results



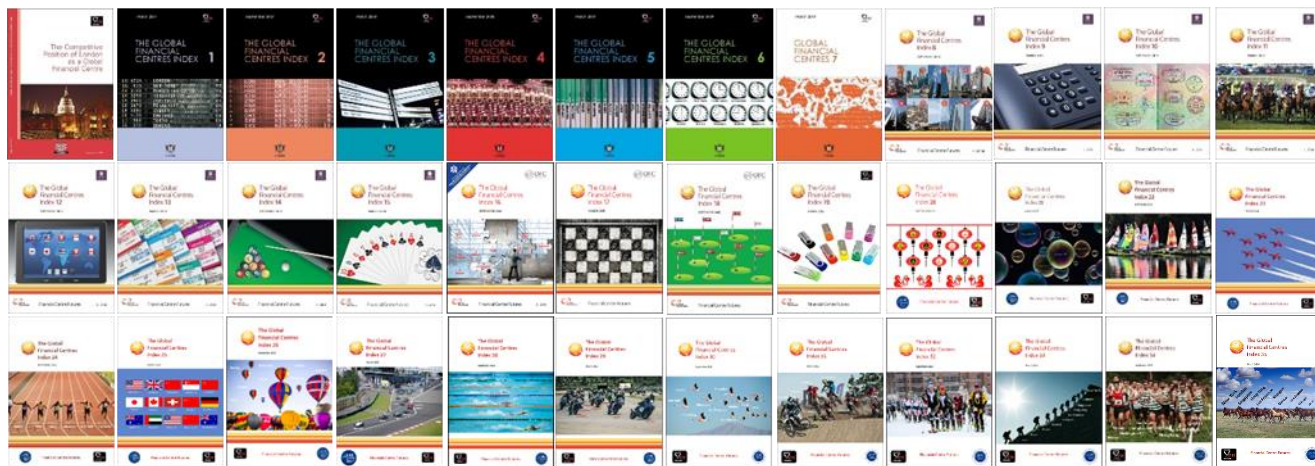
Mike Wardle  
Chief Executive Officer  
Z/Yen Group





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# Z/Yen Research





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# Smart Centres Index



- ◆ The Smart Centres Index is designed to track commercial centres' ability to create, develop, and deploy technology
- ◆ Aims to help investors, governments, and regulators view the attractiveness of centres for new technologies and products by measuring how attuned centres and their regulatory systems are to attracting innovation and growth in innovation and technology





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# Factor Assessment Index



- ◆ Combine perception data with quantitative data using advanced statistical modelling
- ◆ Individual assessments of commercial centres are associated with the quantitative data for that centre
- ◆ We can then predict how an individual would rate other cities based on their profile





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# SCI Dimensions



- ◆ The SCI measures three equally weighted dimensions:
  - Innovation Support – the approach taken to regulation and support for the innovation and technology industry provided by the commercial ecosystem
  - Creative Intensity - the extent to which technology and innovative industries are embedded in the economy of the centre
  - Delivery Capability - the quality of the work being undertaken in the field in the centre





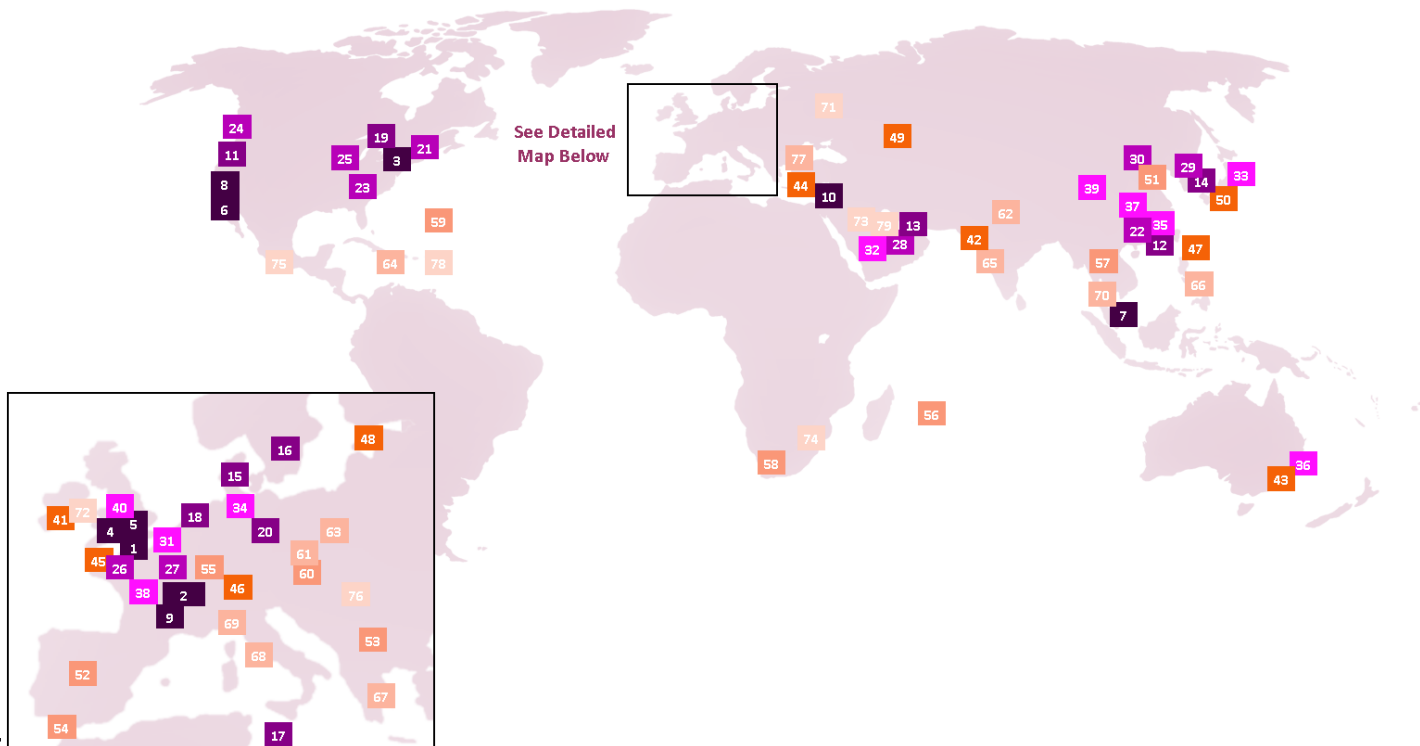
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# The SCI World

## 79 Centres Feature In SCI 9

The SCI 9 World - Centres In The Index





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## SCI 9 Headlines



- ◆ London retained first place in the index, with Zurich rising to second place and New York down one place to third.
- ◆ Five Western European centres feature in the top 10, alongside three US centres.
- ◆ Singapore and Tel Aviv also feature in the top 10.
- ◆ Six centres rose 10 or more places in the ranking in SCI 9, while 11 centres fell 10 or more places.
- ◆ Following a rise in the average ratings in the last two editions of the index, the average rating in SCI 9 fell by 1.31%. The smallest reduction in average ratings was in Latin America & The Caribbean, while centres in Eastern Europe & Central Asia fell almost 2%.
- ◆ The continued geopolitical threats caused by conflict and economic instability may be driving a lack of confidence in technology centres across the world.

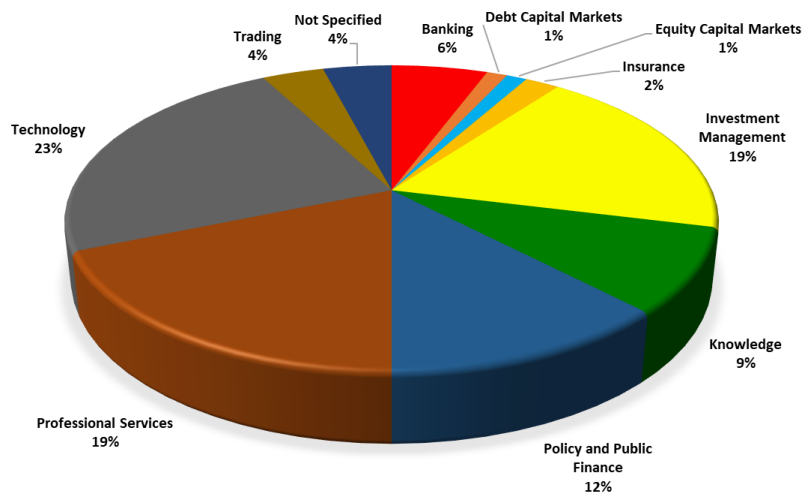


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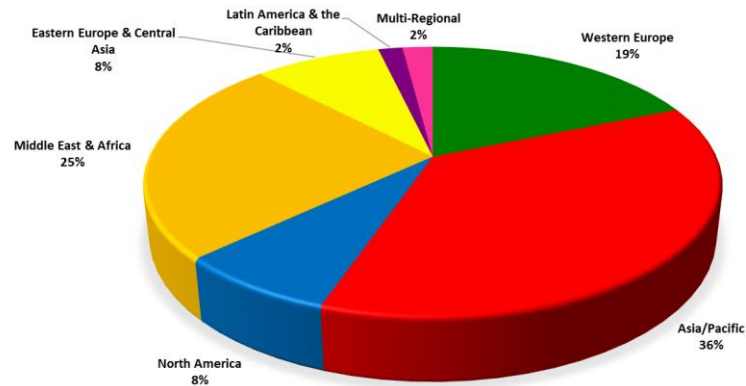
# SCI 9 Respondents



## Respondents By Sector



## Respondents By Region





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# SCI 9 Top Twenty Centres



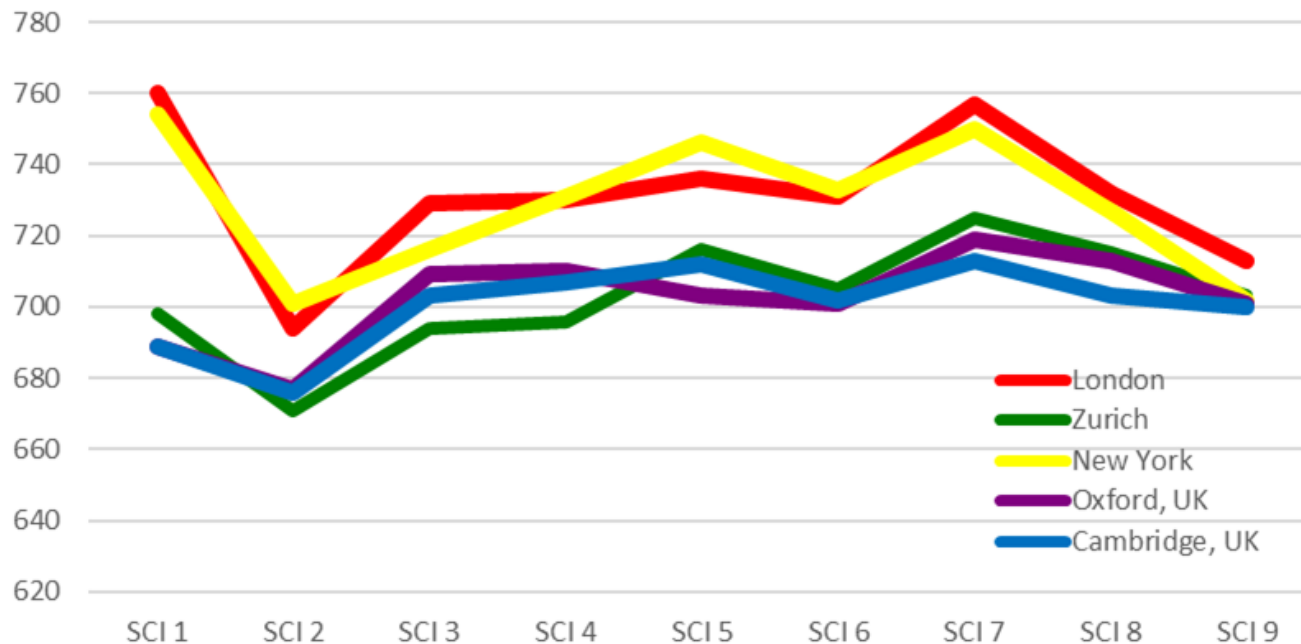
Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
London	1	713	1	732	0	▼19
Zurich	2	703	4	715	▲2	▼12
New York	3	702	2	727	▼1	▼25
Oxford, UK	4	701	5	713	▲1	▼12
Cambridge, UK	5	700	9	703	▲4	▼3
Los Angeles	6	699	8	705	▲2	▼6
Singapore	7	698	3	717	▼4	▼19
San Francisco	8	697	6	711	▼2	▼14
Geneva	9	696	18	694	▲9	▲2
Tel Aviv	10	695	7	707	▼3	▼12
Seattle	11	694	20	692	▲9	▲2
Hong Kong	12	693	10	702	▼2	▼9
Dubai	13	692	16	696	▲3	▼4
Busan	14	691	15	697	▲1	▼6
Copenhagen	15	690	17	695	▲2	▼5
Stockholm	16	689	11	701	▼5	▼12
Malta	17	688	25	687	▲8	▲1
Amsterdam	18	687	19	693	▲1	▼6
Toronto	19	686	12	700	▼7	▼14
Berlin	20	685	24	688	▲4	▼3



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# Leading Centres Over Time



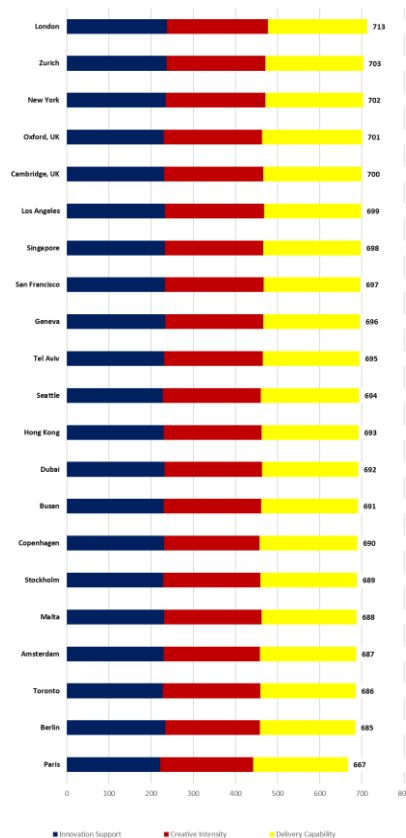


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# SCI 9 Top Twenty Centres By Dimension



- ◆ The SCI Dimensions
  - Innovation Support
  - Creative Intensity
  - Delivery Capability



# Western Europe – Top 15



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
London	1	713	1	732	0	▼ 19
Zurich	2	703	4	715	▲ 2	▼ 12
Oxford, UK	4	701	5	713	▲ 1	▼ 12
Cambridge, UK	5	700	9	703	▲ 4	▼ 3
Geneva	9	696	18	694	▲ 9	▲ 2
Copenhagen	15	690	17	695	▲ 2	▼ 5
Stockholm	16	689	11	701	▼ 5	▼ 12
Malta	17	688	25	687	▲ 8	▲ 1
Amsterdam	18	687	19	693	▲ 1	▼ 6
Berlin	20	685	24	688	▲ 4	▼ 3
Jersey	26	679	New	New	New	New
Luxembourg	27	678	28	684	▲ 1	▼ 6
Brussels	31	674	26	686	▼ 5	▼ 12
Hamburg	34	671	45	667	▲ 11	▲ 4
Paris	38	667	38	674	0	▼ 7

- ♦ 26 centres in Western Europe feature in SCI 9 with five centres in the top 10 and a further five in the top 20. Jersey enters the index for the first time.
- ♦ Hamburg, Edinburgh, Guernsey, and Munich rose more than 10 places.

# North America



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
New York	3	702	2	727	▼1	▼25
Los Angeles	6	699	8	705	▲2	▼6
San Francisco	8	697	6	711	▼2	▼14
Seattle	11	694	20	692	▲9	▲2
Toronto	19	686	12	700	▼7	▼14
Boston	21	684	14	698	▼7	▼14
Washington DC	23	682	23	689	0	▼7
Vancouver	24	681	13	699	▼11	▼18
Chicago	25	680	22	690	▼3	▼10

- ◆ Nine North American centres feature in SCI 9 and three are in the world top 10.
- ◆ Three centres in the region maintained or improved their rank position compared with SCI 8, with Seattle improving nine rank places.



# Asia/Pacific – Top 15



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
Singapore	7	698	3	717	▼4	▼19
Hong Kong	12	693	10	702	▼2	▼9
Busan	14	691	15	697	▲1	▼6
Shenzhen	22	683	21	691	▼1	▼8
Seoul	29	676	29	683	0	▼7
Beijing	30	675	36	676	▲6	▼1
Tokyo	33	672	30	682	▼3	▼10
Shanghai	35	670	27	685	▼8	▼15
Sydney	36	669	32	680	▼4	▼11
Guangzhou	37	668	41	671	▲4	▼3
Chengdu	39	666	43	669	▲4	▼3
GIFT City-Gujarat	42	663	34	678	▼8	▼15
Melbourne	43	662	31	681	▼12	▼19
Taipei	47	658	37	675	▼10	▼17
Osaka	50	655	51	661	▲1	▼6

- ◆ Singapore, Hong Kong, and Busan rank in the top 20 in the world.
- ◆ 11 of the 21 centres in the region rose or maintained their position in the ranking in SCI 9, with New Delhi up 14 places.

# Eastern Europe & Central Asia



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
Cyprus	44	661	42	670	▼2	▼9
Sofia	48	657	53	659	▲5	▼2
Astana	49	656	44	668	▼5	▼12
Tallinn	53	652	48	664	▼5	▼12
Prague	61	644	49	663	▼12	▼19
Budapest	63	642	50	662	▼13	▼20
Athens	67	638	58	654	▼9	▼16
Moscow	71	634	72	640	▲1	▼6
Warsaw	76	629	65	647	▼11	▼18
Istanbul	77	628	68	644	▼9	▼16

- ♦ Cyprus continues to lead the region. Sofia moved up 5 rank places to take second place at 48<sup>th</sup> globally.
- ♦ Most centres in the region fell in the rankings in SCI 9.



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## Middle East & Africa



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
Tel Aviv	10	695	7	707	▼3	▼12
Dubai	13	692	16	696	▲3	▼4
Abu Dhabi	28	677	35	677	▲7	0
Doha	32	673	39	673	▲7	0
Mauritius	56	649	63	649	▲7	0
Cape Town	58	647	55	657	▼3	▼10
Riyadh	73	632	64	648	▼9	▼16
Johannesburg	74	631	61	651	▼13	▼20
Bahrain	79	609	73	639	▼6	▼30

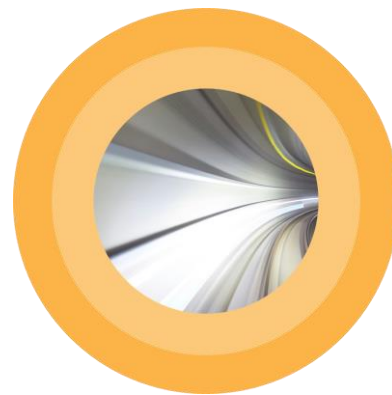
- ♦ Tel Aviv leads this region and moved in 10th position overall, with Dubai in second place at 13th in the world – up three places.
- ♦ Abu Dhabi, Doha, and Mauritius all rose 7 rank places.

# Latin America & The Caribbean



Centre	SCI 9		SCI 8		Change In	Change In
	Rank	Rating	Rank	Rating	Rank	Rating
Bermuda	59	646	New	New	New	New
Cayman Islands	64	641	74	638	▲ 10	▲ 3
Mexico City	75	630	62	650	▼ 13	▼ 20
British Virgin Islands	78	619	77	615	▼ 1	▲ 4

- ◆ Bermuda enters the SCI for the first time and takes the leading place in the region, in 59<sup>th</sup> position overall.
- ◆ Cayman Islands rose 10 rank places to take second position in the region.





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# SCI Taxonomy





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# Areas Of Competitiveness



Rank	Technology	Business Environment	Human Capital	Infrastructure	Financial Sector Development	Reputational & General
1	London	London	London	London	London	London
2	New York	New York	New York	New York	New York	Zurich
3	Singapore	Zurich	Zurich	Singapore	Hong Kong	New York
4	Zurich	Singapore	Singapore	Zurich	Zurich	Geneva
5	Hong Kong	Seattle	Cambridge, UK	Seattle	Los Angeles	Singapore
6	Cambridge, UK	Dubai	Dubai	Busan	Singapore	Cambridge, UK
7	Dubai	Geneva	Oxford, UK	Oxford, UK	San Francisco	Busan
8	Oxford, UK	Cambridge, UK	Los Angeles	San Francisco	Geneva	Oxford, UK
9	San Francisco	Los Angeles	Tel Aviv	Dubai	Busan	Hong Kong
10	Los Angeles	Oxford, UK	Geneva	Cambridge, UK	Dubai	Dubai
11	Seattle	Hong Kong	San Francisco	Hong Kong	Cambridge, UK	Los Angeles
12	Copenhagen	Busan	Seattle	Los Angeles	Oxford, UK	San Francisco
13	Stockholm	San Francisco	Busan	Geneva	Chicago	Tel Aviv
14	Tel Aviv	Copenhagen	Hong Kong	Amsterdam	Luxembourg	Stockholm
15	Shenzhen	Tel Aviv	Copenhagen	Tel Aviv	Seoul	Seattle



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# Technology Effect



SCI 9		
Rank	All Factors	Technology Factors
1	London	London
2	Zurich	New York (+1)
3	New York	Singapore (+4)
4	Oxford, UK	Zurich (-2)
5	Cambridge, UK	Hong Kong (+7)
6	Los Angeles	Cambridge, UK (-1)
7	Singapore	Dubai (+6)
8	San Francisco	Oxford, UK (-4)
9	Geneva	San Francisco (-1)
10	Tel Aviv	Los Angeles (-4)
11	Seattle	Seattle
12	Hong Kong	Copenhagen (+3)
13	Dubai	Stockholm (+3)
14	Busan	Tel Aviv (-4)
15	Copenhagen	Shenzhen (+7)



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# Reputational Advantage



Centre - Top 15	Weighted Average Assessment	SCI 9 Rating	SCI 9 Reputational Advantage
Busan	850	691	159
San Francisco	851	697	154
Tel Aviv	836	695	141
Copenhagen	816	690	126
Geneva	821	696	125
Stockholm	809	689	120
Zurich	815	703	112
New York	810	702	108
London	817	713	104
Oxford, UK	805	701	104
Vancouver	776	681	95
Singapore	792	698	94
Sydney	763	669	94
Brussels	765	674	91
Toronto	772	686	86





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# Reputational Disadvantage



Centre - Lowest 15	Weighted Average Assessment	SCI 9 Rating	SCI 9 Reputational Advantage
Warsaw	587	629	-42
Istanbul	584	628	-44
Tokyo	619	672	-53
Mexico City	570	630	-60
Cayman Islands	573	641	-68
Bahrain	541	609	-68
Chengdu	590	666	-76
Johannesburg	554	631	-77
Dublin	577	664	-87
Athens	547	638	-91
Cape Town	552	647	-95
Isle of Man	537	633	-96
Seoul	568	676	-108
Bangkok	524	648	-124
British Virgin Islands	450	619	-169



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# Observations



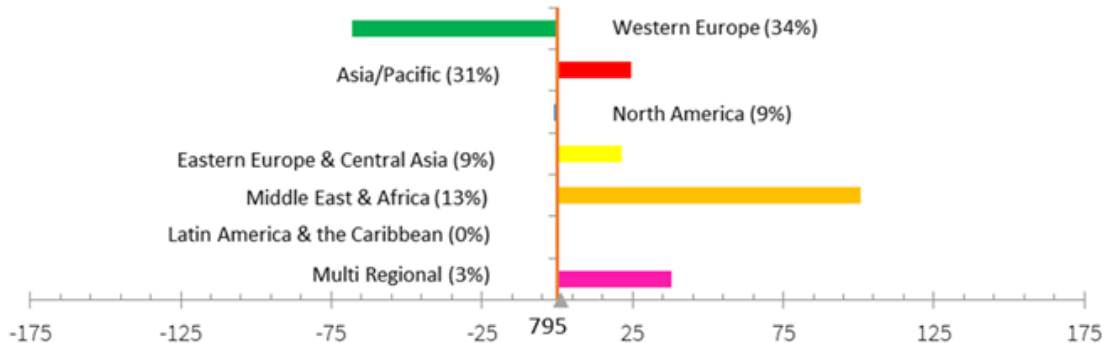
Ian Harris  
Director  
Z/Yen Group



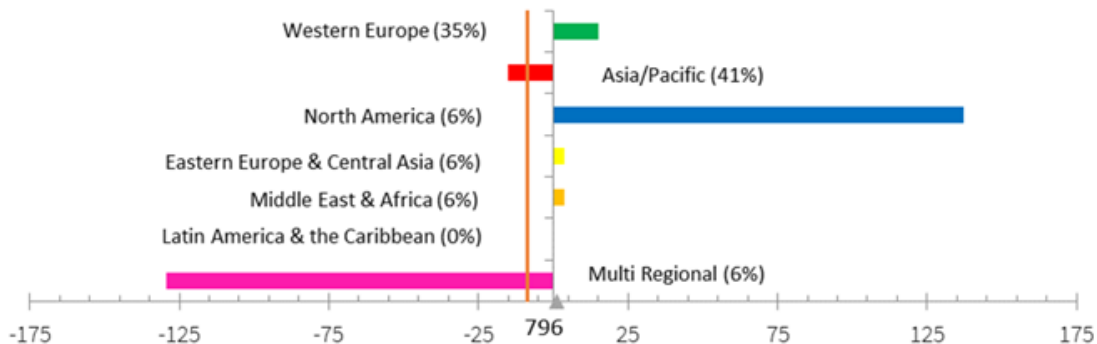


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# Regional Difference In Assessments



New York



Los Angeles



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# Correlation Between SCI 9 & Instrumental Factors



Instrumental Factor	R Squared
Fintech Activity Index	0.616
Urban Mobility Readiness Index	0.604
Global Innovation Index	0.597
The Global Green Finance Index	0.585
Global Financial Centres Index	0.585
The Global Fintech Index	0.502
Safe Cities	0.488
Government Effectiveness	0.469
Adjusted Net National Income Per Capita	0.438
Corruption Perception Index	0.413



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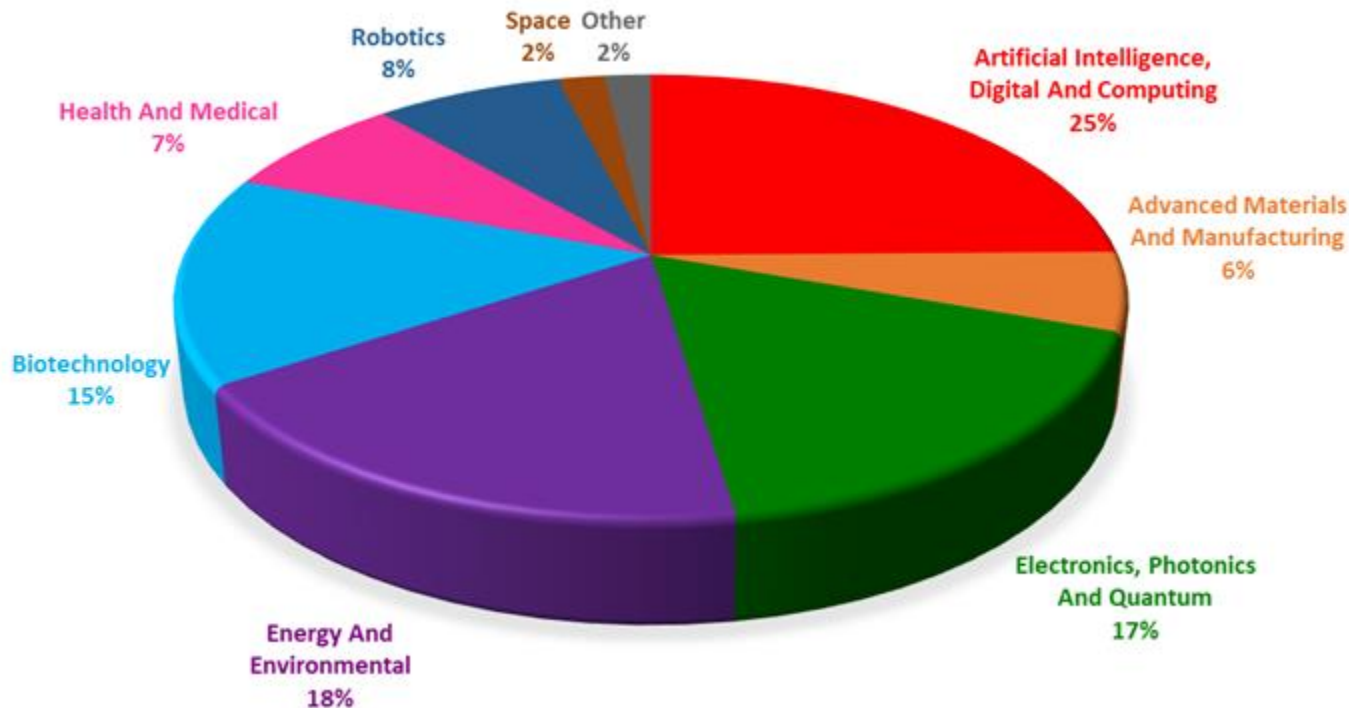
# Correlation With Technology Factors



Technology Factors	R Squared
Fintech Activity Index	0.616
FinTech Index (GFCI)	0.502
Government AI Readiness Index	0.390
Scientific Infrastructure	0.366
Smart City Index	0.344
Creative Outputs	0.344
Technological Infrastructure	0.332
Telecommunication Infrastructure Index	0.319
E-Government Development Index	0.264
Knowledge And Technology Outputs	0.239

# Technology Development

What technological developments are likely to have most impact on industry over the next five years?



# University Performance



## Number Of Universities In The World Top 10

	Physical Sciences	Engineering	Life Sciences	Computer Sciences
US	6	7	7	6
UK	3	2	3	3
Singapore	1			
Switzerland		1		1

*Source: Times Higher Education's World University Rankings - 2024 data*

- ♦ Strength of the university sector in technology subjects may be a key factor in US success and the position of Oxford and Cambridge in the UK.
- ♦ Nine of the ten top ranked centres in the SCI are in countries featured in the table.



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# Comments, Questions & Answers







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# Smart Centres Index 9



***Smart Centres Index 10:*** November 2024



Take the SCI survey at:

[www.smartcentresindex.net/survey/](http://www.smartcentresindex.net/survey/)

***Global Financial Centres Index 36:*** September 2024

***Global Green Finance Index 14:*** October 2024





# Thank You For Participating

## Forthcoming Events

- Thu, 30 May (11:00-11:45) Like A Duck To Water - Empowering Diverse And Creative Thinking For London's Future Success
  - Fri, 31 May (11:00-11:45) The City - Resilient Against The Global Terror Threat?
  - Thu, 6 Jun (11:00-11:45) Fish, Food And Finance: A Journey Through London
  - Visit <https://fsclub.zyen.com/events/forthcoming-events/>
- Watch past webinars <https://www.youtube.com/zyengroup>