



"Zest for Enlightenment"

SMART CENTRES INDEX 8 GLOBAL LAUNCH

23 November 2023





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Risk/Reward Managers

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Welcome & Introduction



lan Harris Director Z/Yen Group









Programme



09:00	Welcome & Introduction Ian Harris, Director, Z/Yen Group
09:05	Smart Centres Index 8 Results Mike Wardle, Chief Executive Officer, Z/Yen Group
09:25	Observations, Ian Harris, Director, Z/Yen Group
09:30	Questions, Comments & Answers
09:45	Close







Smart Centres Index 8 Results



Mike Wardle Chief Executive Officer Z/Yen Group



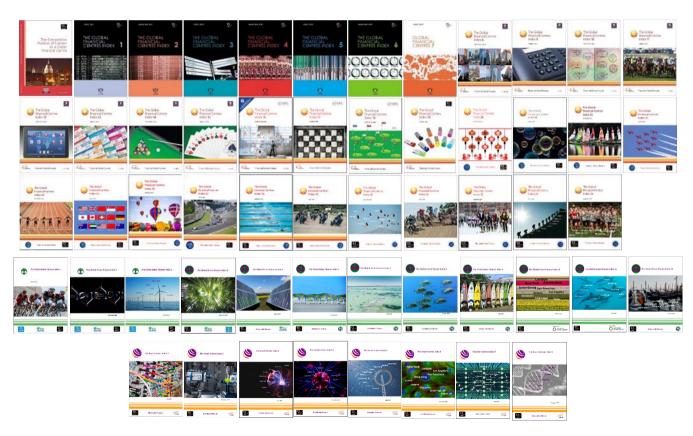






Z/Yen Research











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









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







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





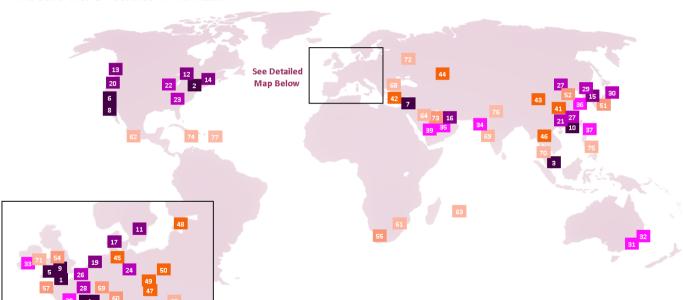


The SCI World



77 Centres Feature In SCI 8

The SCI 8 World - Centres In The Index









SCI 8 Headlines



- ♦ Most centres in the top half of the table fell in the ratings, while the reverse is true for centres in the lower half of the index.
- Regional performance followed this trend, with Western European and North American centres' average rating falling reflecting the higher number of centres in these regions in the top half of the ranking.
- London retained first place in the index, with New York and Singapore in second and third positions.
- Four Western European centres feature in the top 10, and three from the US.
- Singapore and Hong Kong feature in the top 10 among Asia/Pacific centres and Tel Aviv continues to feature in the top 10.
- ♦ Four centres rose 10 or more places in the ranking in SCI 8, while five centres fell 10 or more places.
- ♦ Following a rise in the average ratings in SCI 7, the average rating in SCI 8 rose by just 0.47%. Against a background of geopolitical threats, this may reflect uncertainty over the perceived risks and uncertain types of benefits arising from technologies such as generative AI.



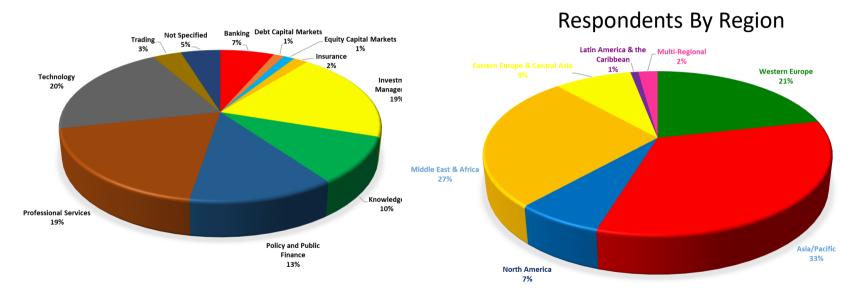




SCI 8 Respondents



Respondents By Sector









SCI 8 Top Twenty Centres



Combus	SC	18	SCI 7		Change In	Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
London	1	732	1	757	0	▼25
New York	2	727	2	750	0	▼ 23
Singapore	3	717	6	721	▲ 3	▼4
Zurich	4	715	4	725	0	▼ 10
Oxford, UK	5	713	7	719	A 2	▼ 6
San Francisco	6	711	3	732	▼3	▼ 21
Tel Aviv	7	707	9	717	▲ 2	▼10
Los Angeles	8	705	8	718	0	▼13
Cambridge, UK	9	703	13	713	A 4	▼10
Hong Kong	10	702	10	716	0	▼14
Stockholm	11	701	15	711	A 4	▼10
Toronto	12	700	20	706	▲8	▼ 6
Vancouver	13	699	18	708	1 5	▼ 9
Boston	14	698	12	714	▼2	▼16
Busan	15	697	19	707	4	▼ 10
Dubai	16	696	21	705	▲ 5	▼ 9
Copenhagen	17	695	14	712	▼3	▼ 17
Geneva	18	694	23	703	1 5	▼ 9
Amsterdam	19	693	24	698	▲ 5	▼5
Seattle	20	692	11	715	▼9	▼23

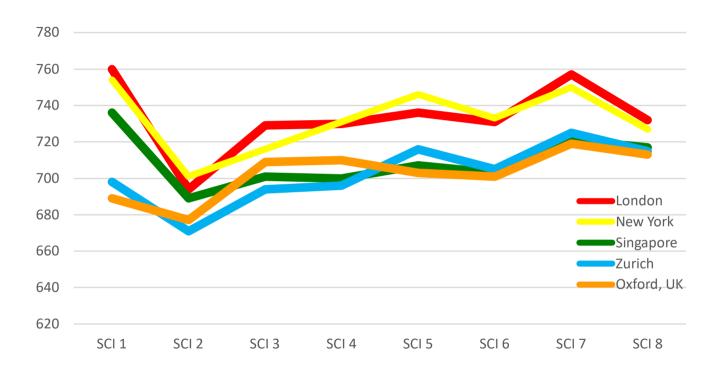






Leading Centres Over Time









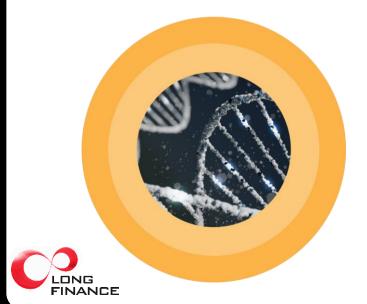


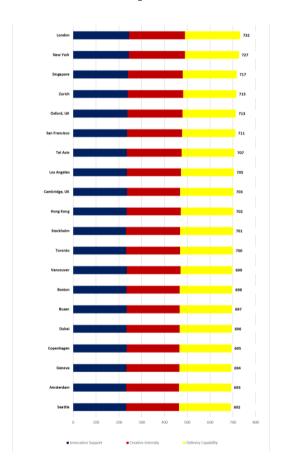
SCI 8 Top Twenty Centres By Dimension



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- ♦ The SCI Dimensions
 - ► Innovation Support
 - ➤ Creative Intensity
 - ➤ Delivery Capability









Western Europe – Top 15



Cantus	SC	18		SCI 7		Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
London	1	732	1	757	0	▼25
Zurich	4	715	4	725	0	▼10
Oxford, UK	5	713	7	719	▲ 2	▼ 6
Cambridge, UK	9	703	13	713	4	▼10
Stockholm	11	701	15	711	4	▼10
Copenhagen	17	695	14	712	▼3	▼17
Geneva	18	694	23	703	▲ 5	▼9
Amsterdam	19	693	24	698	▲ 5	▼5
Berlin	24	688	32	686	▲8	▲ 2
Malta	25	687	17	709	▼8	▼22
Brussels	26	686	30	688	4	▼2
Luxembourg	28	684	33	685	▲ 5	▼1
Dublin	33	679	41	669	▲8	▲ 10
Paris	38	674	55	647	▲ 17	▲ 27
Gibraltar	40	672	45	664	▲ 5	▲8

- ♦ 17 centres in the region maintained or improved their rank position.
- ♦ Paris up 17 rank places, and Madrid up 10 rank places in SCI 8.







North America



Contro	SCI 8			SCI 7		Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
New York	2	727	2	750	0	▼23
San Francisco	6	711	3	732	▼ 3	▼21
Los Angeles	8	705	8	718	0	▼ 13
Toronto	12	700	20	706	▲8	▼ 6
Vancouver	13	699	18	708	▲ 5	▼ 9
Boston	14	698	12	714	▼2	▼16
Seattle	20	692	11	715	▼ 9	▼23
Chicago	22	690	16	710	▼ 6	▼20
Washington DC	23	689	26	694	▲ 3	▼5

- Nine North American centres feature in SCI 8 and three are in the world top 10.
- ◆ Five centres in the region maintained or improved their rank position compared with SCI 7, with Toronto improving 8 rank places.







Asia/Pacific – Top 15



Cantus	SC	18		SCI 7		Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
Singapore	3	717	6	721	▲3	▼4
Hong Kong	10	702	10	716	0	▼ 14
Busan	15	697	19	707	4	▼10
Shenzhen	21	691	25	696	4	▼5
Shanghai	27	685	27	692	0	▼7
Seoul	29	683	28	691	▼1	▼8
Tokyo	30	682	22	704	▼8	▼22
Melbourne	31	681	39	672	▲8	▲ 9
Sydney	32	680	35	682	▲3	▼2
GIFT City-Gujarat	34	678	42	668	▲8	▲ 10
Beijing	36	676	34	683	▼2	▼7
Taipei	37	675	40	671	▲3	4
Guangzhou	41	671	37	679	▼4	▼8
Chengdu	43	669	46	661	▲ 3	▲8
Bangkok	46	666	36	680	▼ 10	▼ 14

- ◆ Singapore, Hong Kong, and Busan rank in the top 20 in the world.
- ◆ 14 centres in the region rose or maintained their position in the ranking in SCI 8, with Melbourne and GIFT City-Gujarat up eight places.







Eastern Europe & Central Asia



Contro	SC	18		SCI 7		Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
Cyprus	42	670	New	New	New	New
Astana	44	668	53	652	▲9	▲ 16
Tallinn	48	664	44	666	▼4	▼2
Prague	49	663	48	657	▼1	A 6
Budapest	50	662	63	630	▲ 13	▲32
Sofia	53	659	43	667	▼ 10	▼8
Athens	58	654	70	612	▲ 12	▲ 42
Warsaw	65	647	69	614	4	▲33
Istanbul	68	644	59	639	▼ 9	▲ 5
Moscow	72	640	67	618	▼ 5	▲ 22

- Cyprus entered the SCI for the first time and took the lead in the region
- ♦ Astana moved up 9 rank places to take second place at 44th globally.
- Budapest and Athens rose more than 10 places in the ranking, while Sofia fell back 10 places.







Middle East & Africa



Contro	SC	18		SCI 7		Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
Tel Aviv	7	707	9	717	▲ 2	▼10
Dubai	16	696	21	705	▲ 5	▼9
Abu Dhabi	35	677	31	687	▼4	▼10
Doha	39	673	29	690	▼ 10	▼17
Cape Town	55	657	50	655	▼5	A 2
Johannesburg	61	651	58	640	▼3	▲ 11
Mauritius	63	649	New	New	New	New
Riyadh	64	648	57	645	▼7	▲ 3
Bahrain	73	639	60	636	▼ 13	▲ 3

- ◆ Tel Aviv leads this region and moved into 7th position overall, with Dubai in second place at 16th in the world up five places.
- ♦ Mauritius entered the index in 63rd position.
- ◆ All centres in the region, other than Tel Aviv and Dubai, fell in the ranking.







Latin America & The Caribbean



Contro	SCI 8		SCI 7		Change In	Change In
Centre	Rank	Rating	Rank	Rating	Rank	Rating
Mexico City	62	650	68	617	A 6	▲33
Cayman Islands	74	638	72	609	▼2	▲ 29
British Virgin Islands	77	615	New	New	New	New

- Mexico City leads the region and has extended its lead over the Cayman Islands.
- ◆ The British Virgin Islands entered the SCI for the first time.









SCI Taxonomy



Areas of Competitiveness









Areas Of Competitiveness



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







Technology Effect



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







Reputation Advantage



Centre - Top 15	Weighted Average Assessment	SCI 8 Rating	SCI 8 Reputational Advantage
Busan	850	697	153
San Francisco	851	711	140
Tel Aviv	836	707	129
Geneva	821	694	127
Copenhagen	816	695	121
Stockholm	809	701	108
Zurich	815	715	100
Oxford, UK	805	713	92
London	817	732	85
New York	810	727	83
Sydney	763	680	83
Brussels	765	686	79
Los Angeles	782	705	77
Vancouver	776	699	77
Singapore	792	717	75







Reputational Disadvantage



Centre - Lowest 15	Weighted Average Assessment	SCI 8 Rating	SCI 8 Reputational Advantage
Warsaw	587	647	-60
Istanbul	584	644	-60
Tokyo	619	682	-63
Cayman Islands	573	638	-65
Chengdu	590	669	-79
Mexico City	570	650	-80
Johannesburg	554	651	-97
Bahrain	541	639	-98
Dublin	577	679	-102
Isle of Man	537	641	-104
Cape Town	552	657	-105
Athens	547	654	-107
Seoul	568	683	-115
Bangkok	524	666	-142
British Virgin Islands	450	615	-165







Observations



lan Harris Director Z/Yen Group



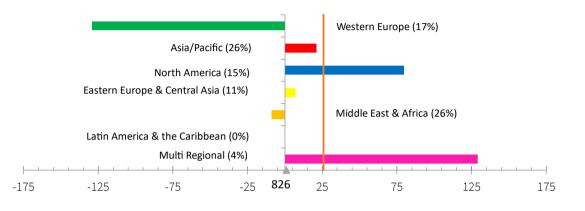




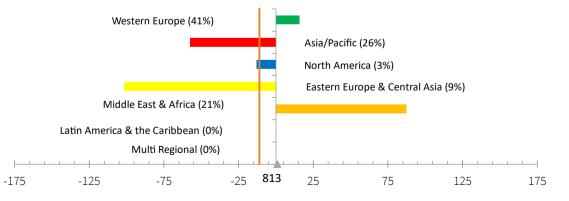


Regional Difference In Assessments





London











Correlation Between SCI 8 & Instrumental Factors



Instrumental Factor	R Squared
Fintech Activity Index	0.593
Urban Mobility Readiness Index	0.536
The Global Green Finance Index	0.516
The Global Financial Centres Index	0.510
Safe Cities Index	0.496
Fintech Index (GFCI)	0.496
Global Innovation Index	0.484
Government Effectiveness	0.453
World Talent Rankings	0.426
Adjusted Net National Income Per Capita	0.421







Correlation With Technology Factors



Technology Factors	R Squared
Fintech Activity Index	0.593
FinTech Index (GFCI)	0.496
Smart City Index	0.408
Technological Infrastructure	0.363
Telecommunication Infrastructure Index	0.340
E-Government Development Index	0.277
Scientific Infrastructure	0.266
Creative Outputs	0.257
E-Participation Index	0.226
Blockchain activity	0.218



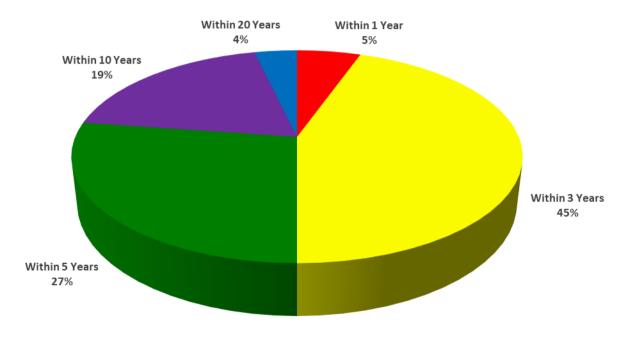




Pace Of Technological Change



How quickly will quantum computers be able to break current public key encryption?









Patent Applications – Top 10 Countries



Country	Patent Applications In 2022	Patent Applications In 2021
China	1,586,339	1,538,604
United States	515,281	509,962
Japan	406,374	412,885
South Korea	272,675	267,527
Germany	157,652	165,826
France	66,446	66,137
India	56,396	43,163
United Kingdom	54,620	53,650
Switzerland	51,445	48,336
Netherlands	32,738	32,779







Comments, Questions & Answers







Smart Centres Index 8



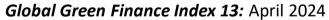
Smart Centres Index 9: May 2024



Take the SCI survey at:

www.smartcentresindex.net/survey/

Global Financial Centres Index 35: March 2024





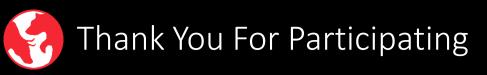












Forthcoming Events

- Fri, 24 Nov (11:00-11:45) Lord Chancellor Jeffreys: A Revisionist View Of His Role & Cases As Common Serjeant & Recorder Of The City Of London
- Mon, 27 Nov (11:00-11:45) Capital As A Powerful Force For Global Impact
- Wed, 29 Nov (08:00-08:45) Financial Centres Of The World 2023: Focus On Fukuoka
- Visit https://fsclub.zyen.com/events/forthcoming-events/
 Watch past webinars https://www.youtube.com/zyengroup