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Spatial opportunities of exhibition centers: Explaining path-dependencies in Amsterdam, Frankfurt, Munich and Milan

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APPENDIX A

Indexes for case selection

In order to allow for a thorough case selection, an ex-ante comparison of exhibition centers has been proposed in Chapter 2. For this end, two ‘indexes’ have been constructed, comprising the ‘metropolitanness’ and size of the venue respectively. The population was formed by the thirty-four exhibition centers introduced in Chapter 1. For the metropolitan index, the city’s population, the number of arrivals at the city’s largest airport and the number of tourists were taken into account. The index measuring size was constructed on the basis of square meters of covered exhibition surface available in a venue and its annual number of visitors. On each variable, cities (in the metropolitan ranking) and venues (size ranking) were ranked with the highest scoring object receiving thirty-four points and the lowest scoring receiving one point. For each ranking, scores were added-up to provide a final ranking.

Unfortunately not all cities and venues had data available on all variables. Therefore, some venues and cities had to be excluded from the analysis. Moreover, the year of measurement is not similar for all cases as data of the most recent year available were worked with. An overview of the two rankings is provided in the Appendix. The chart combining these rankings can be found in Chapter 2.



City	Airport Passengers ¹	Rank	Population ²	Rank	Number of tourists ³	Rank	Total Rank
London	65.881.660	34	7.668.300~	34	n/a ⁴	34	102
Paris-Nord	60.970.551	33	2.181.374*	30	31.733.026*	33	96
Paris Porte de Versailles	60.970.551	32	2.181.374*	29	31.733.026*	32	93
Madrid	49.671.270	29	3.213.271~	32	14.816.191~	29	90
Rome	37.651.700	27	2.743.796°	31	23.727.228~	31	89
Berlin	16.919.820	21	3.460.725°	33	17.770.277~	30	84
Barcelona Montjuic	34.398.226	26	1.615.908~	28	11.940.625~	28	82
Barcelona Gran Via	34.398.226	26	1.615.908~	28	11.940.625~	28	82
Munich	37.763.701	28	1.353.186°	26	9.847.122~	26	80
Amsterdam	49.755.252	30	779.808°	19	8.309.562~	25	74
Frankfurt	56.436.255	31	679.664°	18	5.422.767~	23	72
Milan	18.947.808	23	1.307.495°	25	7.261.643~	24	72
Brussels	18.786.034	22	1.048.491~	23	5.271.014~	22	67
Cologne	9.623.398	19	1.007.119°	21	4.308.701~	21	61
Dusseldorf	18.988.149	24	588.735°	15	3.360.346~	20	59
Lyon	8.437.141	16	1.226.249~	24	3.219.581*	18	58
Stuttgart	9.582.265	18	606.588°	16	2.736.149~	17	51
Valencia	4.934.268	12	807.200~	20	3.350.886~	19	51
Birmingham	8.616.296	17	1.019.200°	22	1.717.900*	10	49
Geneva	13.111.741	20	185.726~	6	2.049.440~	15	41
Hannover	5.340.264	14	522.686°	12	1.855.671~	14	40
Nurnberg	3.962.617	10	505.664°	11	2.276.660~	16	37
Bologna	5.885.884	15	377.220~	10	1.726.714~	11	36
Zaragoza	na	1	666.129~	17	1.834.112~	12	30
Bilbao	4.046.172	11	353.340~	9	1.071.642~	7	27
Leipzig	na	1	522.883°	13	1.852.747~	13	27
Basel	5.053.664	13	165.956~	5	995.541~	6	24
Essen	na	1	574.635°	14	1.078.299~	8	23
Bari	3.725.629	9	320.150°	8	471.811~	5	22
Utrecht	na	1	311.367°	7	444.445~	4	12
Verona	na	1	na	1	1.388.119~	9	11
Herning	na	1	na	1	na	1	3
Parma	na	1	na	1	na	1	3
Rimini	na	1	na	1	na	1	3



* Data from 2006

~ Data from 2009

° Data from 2012

1 Source: Wikipedia: list of busiest Airports in Europe, available from: http://en.wikipedia.org/wiki/List_of_the_busiest_airports_in_Europe

2 Source: Eurostat Urban Audit, available from: <http://epp.eurostat.ec.europa.eu/tgm/table.do?tab=table&init=1&language=en&pcode=tgs00079&plugin=1>

3 Source: Eurostat Urban Audit, available from: <http://epp.eurostat.ec.europa.eu/tgm/refreshTableAction.do?sessionId=9ea7d07d30e8f68935e9691d4eb0bbf4caa733e8978be340aN8PchaTby0Lc3aNchuMc30Se0?tab=table&plugin=1&pcode=tgs00079&language=en>

4 For London there was no data on tourism in the Eurostat Urban Audit collection. Other sources like Euromonitor's Top 100 City Destinations Ranking traditionally point out London as Europe's busiest tourist destination.



City	size ¹	Rank size	visitors ²	Rank visitors	Rank total
Frankfurt	345.697	33	3.370.436	25	58
Milan	345.000	32	5.551.847	26	58
Hannover	466.100	34	2.239.249	23	57
Madrid	200.000	25	2.607.342	24	49
Dusseldorf	262.704	30	1.406.436	17	47
Birmingham	198.983	23	2.100.000	22	45
Cologne	284.000	31	1.219.423	11	42
Munich	180.000	22	1.753.776	19	41
Berlin	160.000	19	1.980.330	21	40
Bologna	200.000	24	1.267.093	13	37
Barcelona Gran Via	205.000	26	1.178.358	9	35
Brussels	115.000	14	1.847.106	20	34
Valencia	230.602	28	332.739	1	29
Verona	135.904	17	1.235.000	12	29
Nurnberg	160.000	18	1.195.870	10	28
Essen	110.000	10	1.400.000	16	26
Basel	162.000	20	852.074	3	23
Barcelona Montjuic	115.000	13	1.178.358	8	21
Lyon	113.719	12	1.172.601	7	19
Amsterdam	89.000	1	1.586.558	18	19
Geneva	102.407	4	1.284.156	14	18
Utrecht	102.000	3	1.284.933	15	18
Herning	110.000	9	900.000	4	13
Stuttgart	105.200	5	1.140.000	6	11
Rimini	109.000	7	820.295	2	9
Leipzig	101.200	2	1.048.513	5	7
Bilbao	108.000	6	na	na	na
Parma	110.000	8	na	na	na
London	110.411	11	na	na	na
Zaragoza	120.000	15	na	na	na
Bari	128.000	16	na	na	na
Rome	167.000	21	na	na	na
Paris Porte de Versailles	228.211	27	na	na	na
Paris-Nord	241.582	29	na	na	na



1 Source, UFI, 2012

2 Source EMECA, member profiles section, (Available on: <http://www.emeca.com/member/>) and various Annual Reports.