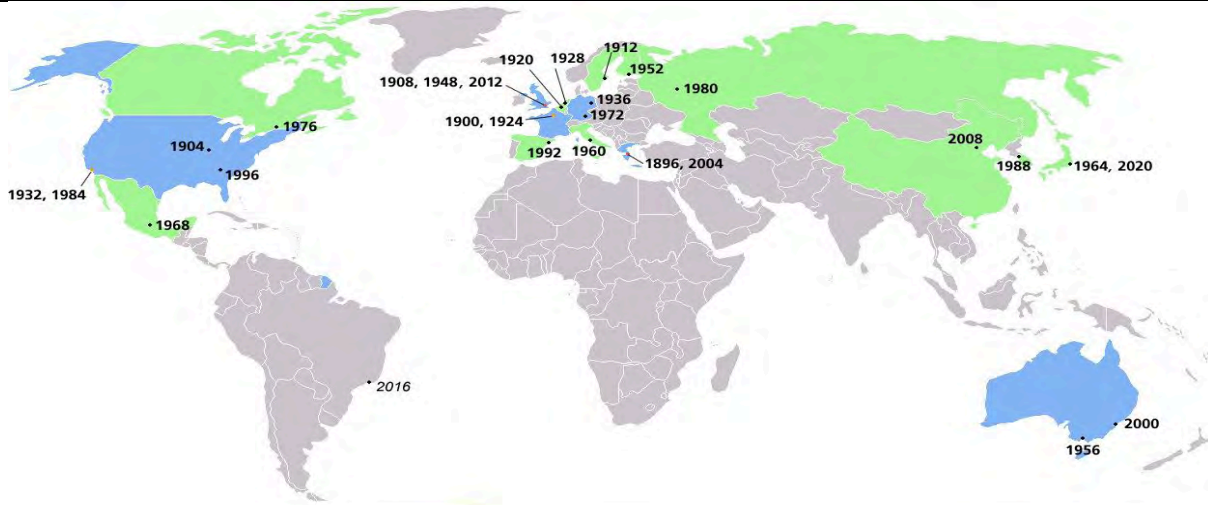


## TRANSPORT NEWS

### 1896-2016 Summer Olympics tremendous global growth patterns = sharp decline of candidature bids



### Athens 1896 to Rio 2016 Olympic Summer Games key indicators

	1.Nb NOC.	2.Nb Events	3.Nb Comp.	4.% Female	5.Nb Media	6.Nb Volunt	7.Nb Tickets	8.Nb TV.vw	9.Total TV rights
<b>1896 ATHENS</b>	14	43	240	0					
1924 Paris	44	126	3100	4					
1936 Berlin	49	129	4000	8					
1960 Rome	83	150	5300	12					
<b>1972 MUNICH</b>	<b>121</b>	<b>195</b>	<b>7100</b>	<b>15</b>					
<b>1984 LOS ANGELES</b>	<b>140</b>	<b>221</b>	<b>6800</b>	<b>23</b>	<b>9200</b>	<b>28000</b>	<b>5.7</b>	<b>2.5</b>	<b>285</b>
1988 Seoul	159	237	8500	26	11300	27000	3.3	---	400
<b>1992 BARCELONA</b>	<b>169</b>	<b>257</b>	<b>9400</b>	<b>29</b>	<b>13100</b>	<b>34000</b>	<b>3.0</b>	<b>---</b>	<b>835</b>
1996 Atlanta	197	271	10400	34	15100	47000	8.3	---	900
<b>2000 SYDNEY</b>	<b>200</b>	<b>300</b>	<b>10600</b>	<b>38</b>	<b>16000</b>	<b>47000</b>	<b>6.7</b>	<b>3.7</b>	<b>1330</b>
2004 Athens	202	301	10600	42	21500	45000	3.6	3.9	1495
<b>2008 BEIJING</b>	<b>204</b>	<b>302</b>	<b>10950</b>	<b>43</b>	<b>24600</b>	<b>70000</b>	<b>6.5</b>	<b>3.7</b>	<b>1730</b>
2012 London	204	302	10575	44	24275	70000	8.0	3.9	2600
<b>2016 RIO (10 est.)</b>	<b>206</b>	<b>306</b>	<b>11305</b>	<b>45</b>	<b>25700</b>	<b>27000</b>	<b>6.1</b>	<b>4.0</b>	<b>--?--</b>
<b>1984/2016 growth (%)</b> * 45	<b>35</b>	<b>65</b>	<b>95</b>	<b>175</b>	<b>0</b>	<b>5</b>	<b>60</b>	<b>--?--</b>	

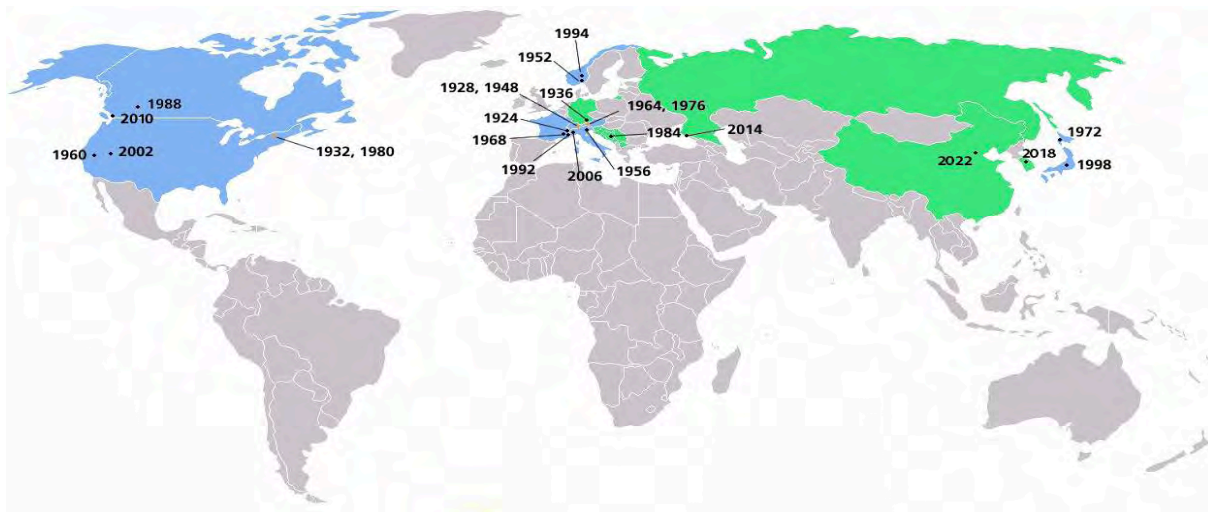
**Legend** 1. Number of NOC – nations / 2. Number of competition events / 3. Number of athletes (±50) / 4. Percentage female athletes (±1%) / 5. Number accredited medias, press and broadcasters (±100) / 6. Number of volunteers (±1000) / 7. Number of spectator tickets sold (±0,1million) / 8. Number world TV viewers (±0,1billion) / 9. Total TV rights (±5 mio US\$) / 10. Dec 2016 estimates

\*LA-1984 to RIO-2016 key indicators growth over 9 Summer Games or 32 years (rounded ±5%)

Prof. Ph. Bovy / Updated Feb 15<sup>th</sup> 2017

Summer Games systematic continuous growth of most organic parameters over 120 years lead to «pharaonic Games size» exceeding world Cities capacities to host them in terms of global sport venue infrastructure, operating and maintenance costs and even bigger transport system and metropolitan mobility management costs. Thus a sharp decline in Summer Olympic candidature bids over the last 20 years.

**1924-2014 Winter Olympics tremendous global growth patterns = sharp decline of candidature bids**



**Olympic Winter Games Statistics**

Sochi 2014 estimates

	1.Nb NOC.	2.Nb Events	3.Nb Comp.	4.% Female	5.Nb Medias	6.Nb Volunt	7.Nb Tickets	8. TV viewers	9.Total TV rights
<b>1924 Chamonix+</b>	<b>16</b>	<b>16</b>	<b>260</b>	<b>4</b>					
1948 St Moritz+	28	22	670	12					
1956 Corina d'Ampezzo+	32	24	820	16					
1960 Squaw Valley+	30	27	665	22					
1968 Grenoble+	37	35	1160	18					
1976 Innsbruck+	37	37	1120	21					
<b>1984 Sarajevo</b>	<b>49</b>	<b>39</b>	<b>1270</b>	<b>22</b>	<b>7400</b>	<b>10500</b>	<b>----</b>		<b>105</b>
1988 Calgary	57	46	1400	21	6850	9500	1,60		325
<b>1992 Albertville</b>	<b>64</b>	<b>57</b>	<b>1800</b>	<b>27</b>	<b>5900</b>	<b>8600</b>	<b>0.90</b>		<b>290</b>
1994 Lillehammer	67	61	1750	30	6650	9000	1.30		355
<b>1998 Nagano</b>	<b>72</b>	<b>68</b>	<b>2200</b>	<b>31</b>	<b>8350</b>	<b>32000</b>	<b>1.45</b>		<b>515</b>
2002 Salt Lake City	77	78	2400	37	8750	22000	1,60	3.0	740
<b>2006 Turin</b>	<b>80</b>	<b>84</b>	<b>2500</b>	<b>38</b>	<b>9400</b>	<b>18000</b>	<b>0,90</b>		<b>835</b>
2010 Vancouver	82	86	2650	40	12600	17500	1,50	3.8	1280
<b>2014 Sochi*</b>	<b>85*</b>	<b>98*</b>	<b>2800*</b>	<b>&gt;40</b>	<b>13500*</b>	<b>19000*</b>	<b>1,15*</b>	<b>--</b>	<b>--</b>
<i>1984/2014 growth (%)**</i>	<i>75**</i>	<i>150**</i>	<i>120**</i>	<i>80</i>	<i>80**</i>	<i>80**</i>	<i>--</i>	<i>--</i>	<i>1200**</i>

**Legend:** 1. Number of NOC/nations / 2. Number of competition/events / 3. Number of competitors/athletes (±50)  
 4. Percentage of female athletes / 5. Number of accredited medias (±50) / 6. Number of volunteers (±500)  
 7. Number of spectator tickets sold (±0.05 million) / 8. TV viewers (billion) / 9. Total TV rights (million US\$ ±5)

**Winter Games systematic continuous growth of most organic parameters over 90 years lead to «pharaonic Games size» exceeding most host Cities and particularly adjoining mountainous regions capacities to host them in terms of sport venue infrastructure construction, operating and maintenance costs and even bigger regional transport system costs. Thus a very sharp decline in Olympic Winter candidature bids over the last 20 years.**