



Dinosaur statistics 2006

(As of December 31st, 2006)

Socha & Madzia: Dinosaur statistics 2006.

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1. Number of valid dinosaur genera by countries

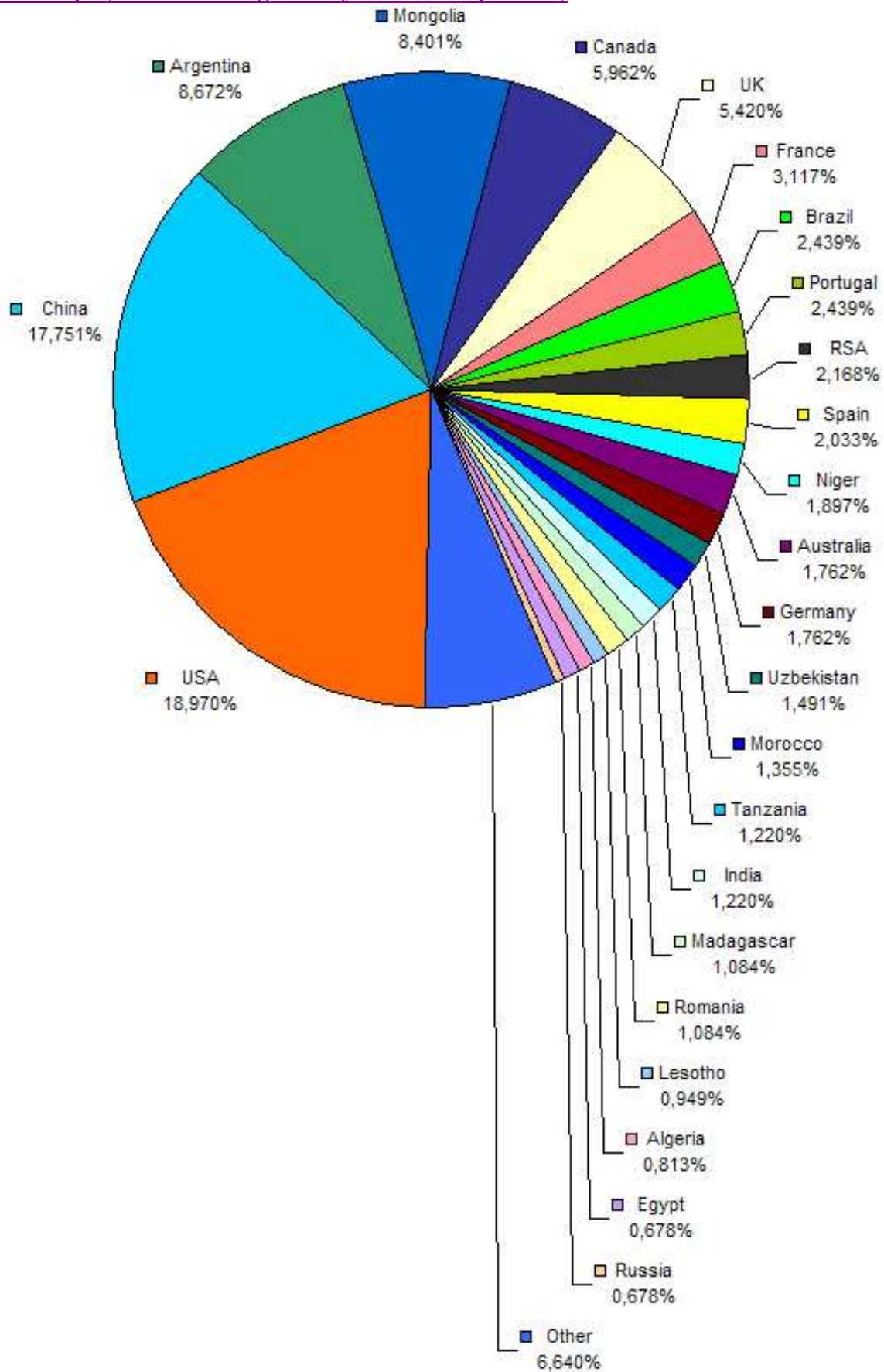
1. USA (**140**) (1)
2. China (**131**) (1)
3. Argentina (**64**)
4. Mongolia (**62**)
5. Canada (**44**)
6. UK (**40**) (1)
7. France (**23**) (1)
8. Brazil (**18**)
9. Portugal (**18**)
10. RSA (**16**)
11. Spain (**15**)
12. Niger (**14**)
13. Australia (**13**) (1)
14. Germany (**13**)
15. Uzbekistan (**11**)
16. Morocco (**10**)
17. Tanzania (**9**) (1)
18. India (**9**)
19. Madagascar (**8**) (1?)
20. Romania (**8**)
21. Lesotho (**7**)
22. Algeria (**6**)
- 23.-24. Egypt, Russia (**5**)
- 25.-27. Thailand, Uruguay, Zimbabwe (**4**)
- 28.-30. Antarktica, Mexico, Tunisia (**3**)
31. Kazakhstan (**2**) (1)
- 32.-39. Belgium, Japan, Kyrgyzstan, Hungary, Malawi, Orange Free State, Austria, Switzerland (**2**)
- 40.-49. Denmark, Chile, Croatia, Italy, South Korea, Laos, Libya, Namibia, Tajikistan, Tibet (**1**)

Total of **49** countries, **738** valid genera (some of them appearing in more countries, reduced number is **605**) plus **7(8?)** uncertain.

TOP 10 (in percents)

1. USA (18,970%)
2. China (17,751%)
3. Argentina (8,672%)
4. Mongolia (8,401%)
5. Canada (5,962%)
6. UK (5,420%)
7. France (3,117%)
8. Brazil (2,439%)
9. Portugal (2,439%)
10. RSA (2,168%)
-
11. Other (24,666%)

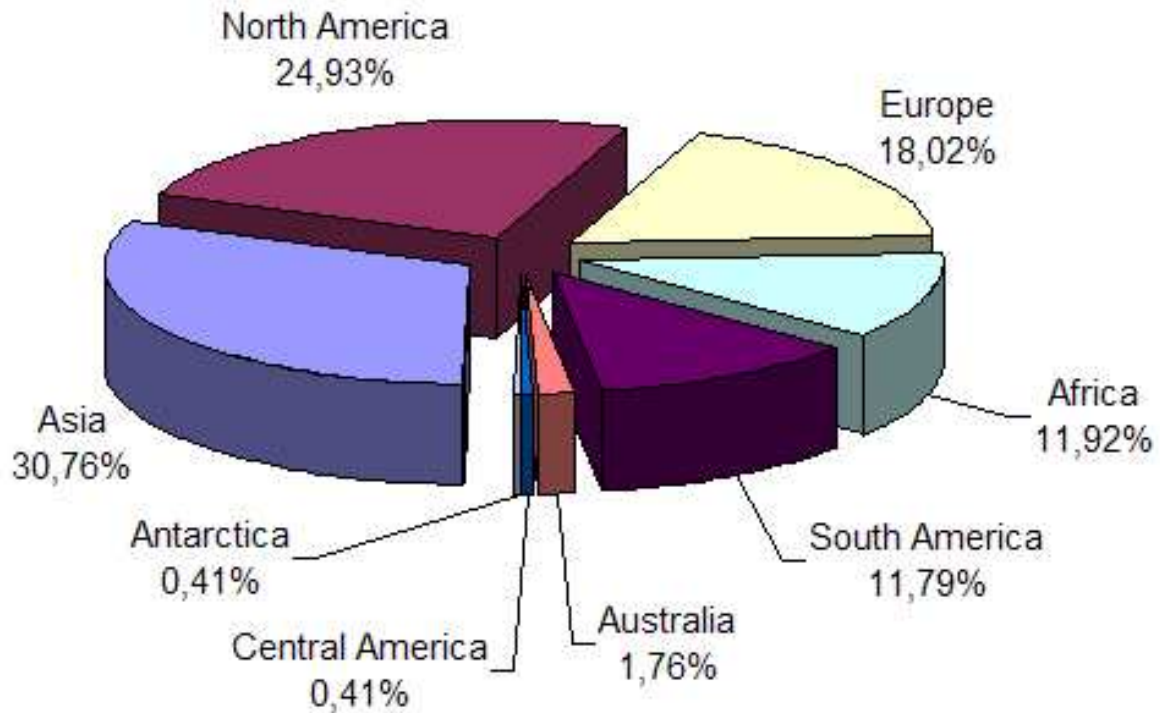
1.1. Graph (valid dinosaur genera by countries in percents)



2. Continents by number of valid dinosaur genera

1. Asia (**227**) (3)
2. North America (**184**) (1)
3. Europe (**133**) (2)
4. Africa (**88**) (1)
5. South America (**87**)
6. Australia (**13**) (1)
7. Central America (**3**)
8. Antarctica (**3**)

2.1. Graph (continents by number of valid dinosaur genera in percents)



3. Dinosaur genera per stages

3.1. Stage (Ma)/number of genera/length of stage (Ma)

(Upper/Late Triassic)

Carnian (2,2)/25/11,5 Ma

Norian (2,1)/28/12,9 Ma

Rhaetian (2,5)/10/4,0 Ma

(Lower/Early Jurassic)

Hettangian (6,1)/19/3,1 Ma

Sinemurian (3,5)/24/6,9 Ma

Pliensbachian (3,0)/20/6,6 Ma

Toarcian (1,8)/13/7,4 Ma

(Middle Jurassic)

Aalenian (1,7)/7/4,0 Ma

Bajocian (2,3)/9/3,9 Ma

Bathonian (8,6)/26/3,0 Ma

Callovian (8,8)/31/3,5 Ma

(Upper/Late Jurassic)

Oxfordian (4,7)/26/5,5 Ma

Kimmeridgian (11,9)/61/5,1 Ma

Tithonian (8,8)/45/5,1 Ma

(Lower/Early Cretaceous)

Berriasian (3,0)/16/5,3 Ma

Valanginian (8,9)/34/3,8 Ma

Hauterivian (5,8)/37/6,4 Ma

Barremian (12,6)/63/5,0 Ma

Aptian (4,8)/63/13,0 Ma

Albian (5,8)/72/12,4 Ma

(Upper/Late Cretaceous)

Cenomanian (7,3)/45/6,1 Ma

Turonian (8,3)/35/4,2 Ma

Coniacian (5,1)/18/3,5 Ma

Santonian (13,9)/32/2,3 Ma

Campanian (10,9)/141/12,9 Ma

Maastrichtian (23,1)/118/5,1 Ma

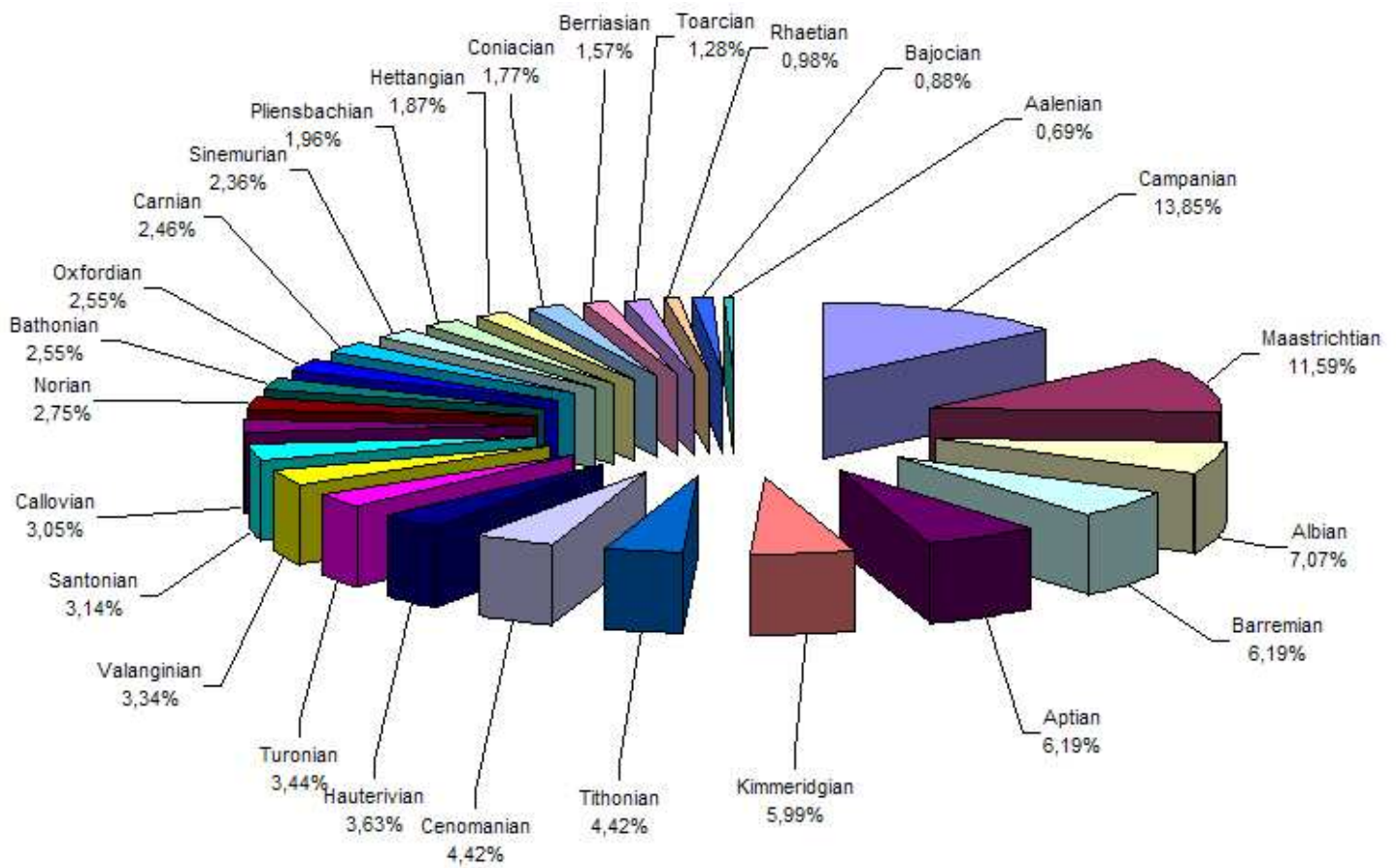
Total:

Triassic: 64

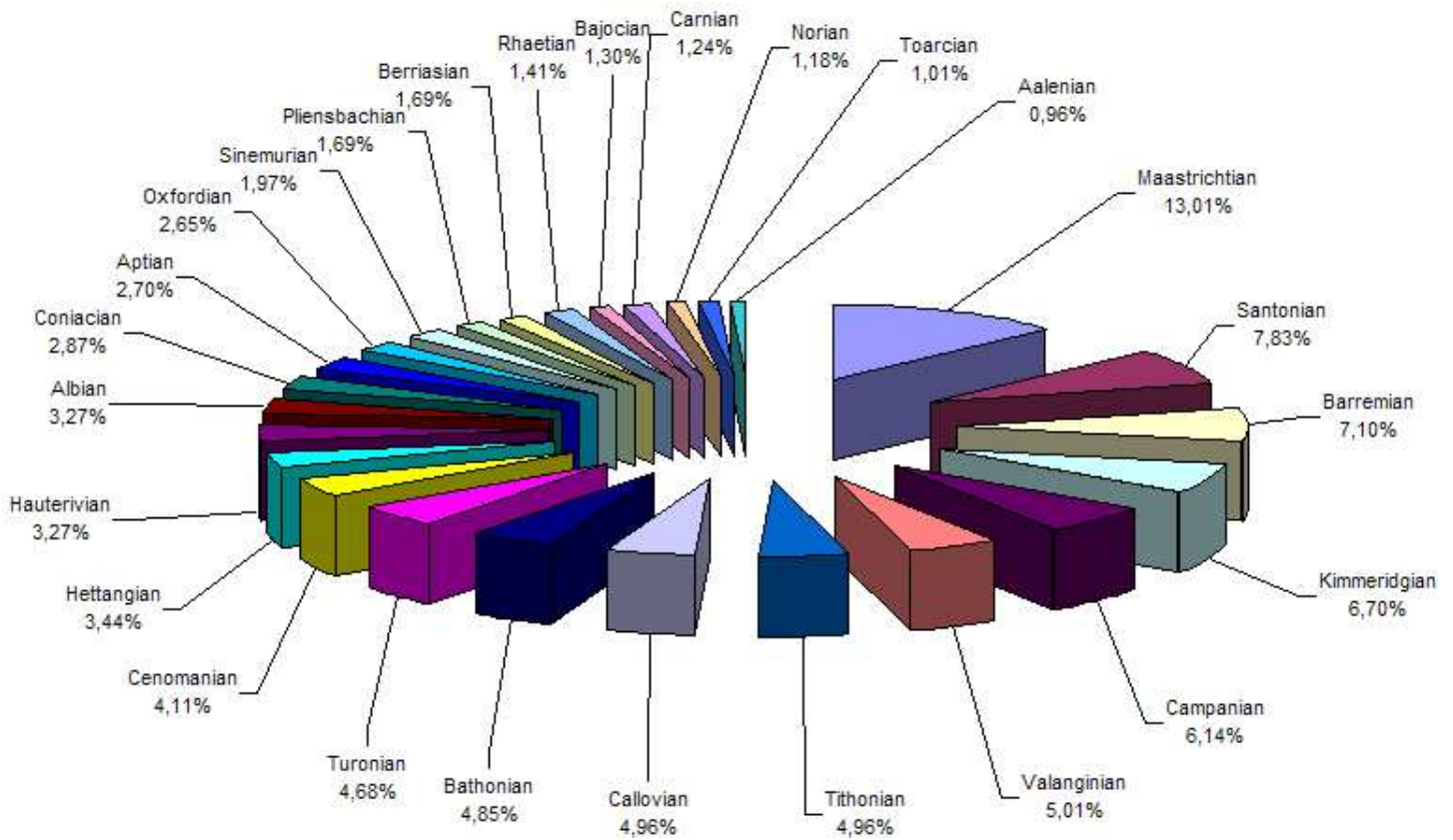
Jurassic: 284

Cretaceous: 679

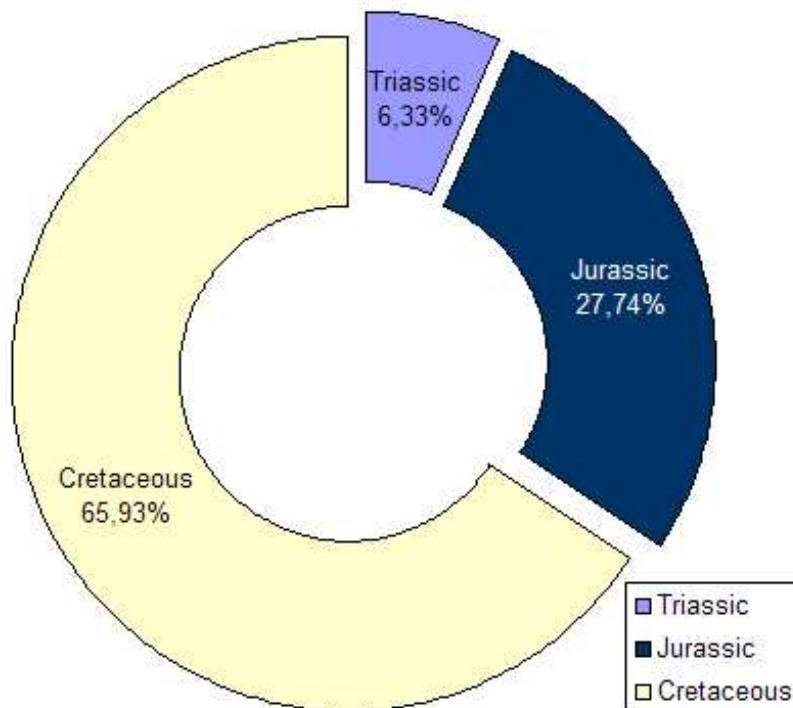
3.1.1. Graph (number of dinosaur genera per stages in percents)



3.1.2. Graph (number of genera per 1 Ma in percents)



3.1.3. Graph (number of genera per periods in percents)



Genera without exact dating:

Late Triassic: 1

Early Jurassic: 1

Middle Jurassic: 4

Late Jurassic: 2(?) *Pedopenna*

Early Cretaceous: 10

Late Cretaceous: 2

(Incl. *Daanosaurus*, *Chebsaurus*, *Chuanjiesaurus*, *Shanxia*, *Tianzhenosaurus*, *Auroraceratops* and *Lanzhousaurus*)

Uncertain: *Megapnosaurus*, *Nemegtia*, *Shixinggia*, *Chebsaurus*, *Erketu*, *Yuanmousaurus*, *Sonidosaurus*, *Jiutaisaurus*, *Yamaceratops*, *Dracovenator*, *Huanghetitan*, *Fusuisaurus*, *Xuanhuasaurus* and *Dashanpusaurus*).

4. Letters of alphabet by number of valid dinosaur genera starting with that letter

A (67), B (32), C (48), D (28), E (29), F (7), G (27), H (25), I (10), J (8), K (13), L (29), M (35), N (20), O (13), P (49), Q (4), R (15), S (65), T (45), U (5), V (8), W (2), X (5), Y (9), Z (6).

(A (67), S (65), P (49), C (48), T (45), M (35), B (32), E (29), L (29), D (28), G (27), H (25), N (20), R (15), K (13), O (13), I (10), Y (9), J (8), V (8), F (7), Z (6), U (5), X (5), Q (4), W (2).)

5. Most prolific years by number of v. d. genera description

- 1.**
2006 - 32
- 2.**
2003 - 30
- 3.**
1998 - 26
- 4.**
2001 - 25
- 5.**
1999 - 24
- 6.**
2005 - 23
- 7.**
2000 - 19
- 8.**
1996 - 18
2004 - 18
- 10.**
1991 - 16
- 11.**
1994 - 15
- 12.**
1979 - 13
- 13.**
1995 - 12
2002 - 12
- 15.**
1993 - 11
- 16.**
1877 - 9
1914 - 9
1973 - 9
1983 - 9
1990 - 9
- 21.**
1977 - 8
1980 - 8
1984 - 8
1985 - 8
- 25.**
1924 - 7
1933 - 7
1981 - 7
- 28.**
1932 - 6
1970 - 6
1974 - 6
1986 - 6
1997 - 6
- 33.**
1972 - 5
1978 - 5
1987 - 5
1988 - 5

1989 - 5
1992 - 5
39.
1869 - 4
1903 - 4
1922 - 4
1923 - 4
1929 - 4
1975 - 4
1976 - 4
1982 - 4
47.
1885 - 3
1889 - 3
1890 - 3
1902 - 3
1905 - 3
1913 - 3
1915 - 3
1928 - 3
1954 - 3
1964 - 3
57.
1854 - 2
1859 - 2
1876 - 2
1891 - 2
1893 - 2
1908 - 2
1910 - 2
1911 - 2
1916 - 2
1925 - 2
1927 - 2
1936 - 2
1937 - 2
1942 - 2
1948 - 2
1950 - 2
1957 - 2
1960 - 2
1969 - 2
1971 - 2
77.
1824 - 1
1825 - 1
1833 - 1
1836 - 1
1837 - 1
1838 - 1
1841 - 1
1848 - 1
1850 - 1
1856 - 1
1857 - 1

1861 - 1
1865 - 1
1866 - 1
1867 - 1
1870 - 1
1875 - 1
1878 - 1
1879 - 1
1881 - 1
1883 - 1
1884 - 1
1888 - 1
1894 - 1
1901 - 1
1904 - 1
1909 - 1
1912 - 1
1917 - 1
1919 - 1
1920 - 1
1921 - 1
1926 - 1
1931 - 1
1934 - 1
1939 - 1
1940 - 1
1941 - 1
1943 - 1
1947 - 1
1951 - 1
1952 - 1
1953 - 1
1955 - 1
1956 - 1
1958 - 1
1959 - 1
1962 - 1
1963 - 1
1965 - 1
1966 - 1
1967 - 1
1968 - 1

Total of **129** years (out of **182** from the first description).

605 genera presently known, which makes an average of **3.324** genera described each year from 1824. During the first 6 years of the new Millenium (2001-2006) it was 140 new genera however, which makes an average 23.3 genera per year.

6. Countries per „density“ of valid dinosaur genera finds

We took the liberty of calculating another statistic from given figures – table of countries by average „density“ of dinosaur valid genera finds on the area of the given country. We used values from Wikipedia (http://en.wikipedia.org/wiki/List_of_countries_and_outlying_territories_by_total_area) – area in km² for each country and data from Socha's dinosaur genera list (which differs from e. g. George Olshevski's list, btw). Of course, it's highly relative (corresponding to the absolute area of each state) and must be interpreted with caution.

USA 9.629.091 km²/140 genera = 68 779.2 km² per 1 genus

China 9.598.086 km²/131 = 73 267.8

Argentina 2.780.400 km²/63 = 44 133.3

Mongolia 1.564.116 km²/61 = 25 641.2

Canada 9.970.610 km²/44 = 226 604.8

UK 242.900 km²/40 = 6072.5

France 551.500 km²/23 = 23 978.2

Brazil 8.514.877 km²/18 = 473 048.7

Portugal 91.982 km²/18 = 5110.1

South Africa 1.221.037 km²/16 = 76 314.8

Spain 505.992 km²/15 = 33 732.8

Niger 1.267.000 km²/14 = 90 500

Australia 7.741.220 km²/13 = 595 478.4

Germany 357.022 km²/13 = 27 463.2

Uzbekistan 447.400 km²/11 = 40 672.7

Morocco 446.550 km²/10 = 44 655

Tanzania 945.087 km²/9 = 105 009.6

India 3.287.263 km²/9 = 365 251.4

Madagascar 587.041 km²/8 = 73 380.1

Romania 238.391 km²/8 = 29 798.9

Lesotho 30.355 km²/7 = 4336.4

Algeria 2.381.741 km²/6 = 396 956.8

Egypt 1.001.449 km²/5 = 200 289.8

Russia 17.098.242 km²/5 = 3 419 648.4

Thailand 513.115 km²/4 = 128 278.7

Uruguay 175.016 km²/4 = 43 754

Zimbabwe 390.757 km²/4 = 97 689.2

"Antarctica" 14.425.000 km²/3 = 4 808 333.3

Mexico 1.958.201 km²/3 = 652 733.6

Tunisia 163.610 km²/3 = 54 536.7

Kazakhstan 2.724.900 km²/2 = 1 362 450

Belgium 30.528 km²/2 = 15 264

Japan 377.873 km²/2 = 188 936.5

Kyrgyzstan 199.900 km²/2 = 99 950

Hungary 93.032 km²/2 = 46 516

Malawi 118.484 km²/2 = 59 242

Orange Free State (former) 129.400 km²/2 = 64 700

Austria 83.858 km²/2 = 41 929

Switzerland 41.284 km²/2 = 20 642

Denmark 43.094 km²/1 = 43 094

Chile 756.096 km²/1 = 756 096

Croatia 56.538 km²/1 = 56 538

Italy 301.318 km²/1 = 301 318

South Korea 99.538 km²/1 = 99 538

Laos 236.800 km²/1 = 236 800

Lybia 1.759.540 km²/1 = 1 759 540

Namibia 824.292 km²/1 = 824 292

Tajikistan 143.100 km²/1 = 143 100
Tibet 2.500.000 km²/1 = 2 500 000 (?)

6.1. Table of countries by average „density“ of dinosaur genera finds

- 1.) **Lesotho** â 1/4336.4 km²
- 2.) **Portugal** â 1/5110.1 km²
- 3.) **UK** â 1/6072.5 km²
- 4.) **Belgium** â 1/15 264 km²
- 5.) **Switzerland** â 1/20 642 km²
- 6.) **France** â 1/23 978.2 km²
- 7.) **Mongolia** â 1/25 641.2 km²
- 8.) **Germany** â 1/27 463.2 km²
- 9.) **Romania** â 1/29 798.9 km²
- 10.) **Spain** â 1/33 732.8 km²
- 11.) **Uzbekistan** â 1/40 672.7 km²
- 12.) **Austria** â 1/41 929 km²
- 13.) **Denmark** â 1/43 094 km²
- 14.) **Uruguay** â 1/43 754 km²
- 15.) **Argentina** â 1/44 133.3 km²
- 16.) **Morocco** â 1/44 655 km²
- 17.) **Hungary** â 1/46 516 km²
- 18.) **Tunisia** â 1/54 536.7 km²
- 19.) **Croatia** â 1/56 538 km²
- 20.) **Malawi** â 1/59 242 km²
- 21.) **Orange Free State** â 1/64 700 km²
- 22.) **USA** â 1/68 779.2 km²
- 23.) **China** â 1/73 267.8 km²
- 24.) **Madagascar** â 1/73 380.1 km²
- 25.) **South Africa** â 1/76 314.8 km²
- 26.) **Niger** â 1/90 500 km²
- 27.) **Zimbabwe** â 1/97 689.2 km²
- 28.) **South Korea** â 1/99 538 km²
- 29.) **Kyrgyzstan** â 1/99 950 km²
- 30.) **Tanzania** â 1/105 009.6 km²
- 31.) **Thailand** â 1/128 278.7 km²
- 32.) **Tajikistan** â 1/143 100 km²
- 33.) **Japan** â 1/188 936.5 km²
- 34.) **Egypt** â 1/200 289.8 km²
- 35.) **Canada** â 1/226 604.8 km²
- 36.) **Laos** â 1/236 800 km²
- 37.) **Italy** â 1/301 318 km²
- 38.) **India** â 1/365 251.4 km²
- 39.) **Algeria** â 1/396 956.8 km²
- 40.) **Brazil** â 1/473 048.7 km²
- 41.) **Australia** â 1/595 478.4 km²
- 42.) **Mexico** â 1/652 733.6 km²
- 43.) **Chile** â 1/756 096 km²
- 44.) **Namibia** â 1/824 292 km²
- 45.) **Kazakhstan** â 1/1 362 450 km²
- 46.) **Lybia** â 1/1 759 540 km²
- 47.) **Tibet** â 1/2 500 000 km²
- 48.) **Russia** â 1/3 419 648.4 km²
- 49.) **Antarctica** â 1/4 808 333.3 km²



DINOSAUR STATISTICS