The True Size of Africa

Top 100 Countries

Area in square kilometers, Percentage of World Total Sources: Britannica, Wikipedia, Almanac 2010

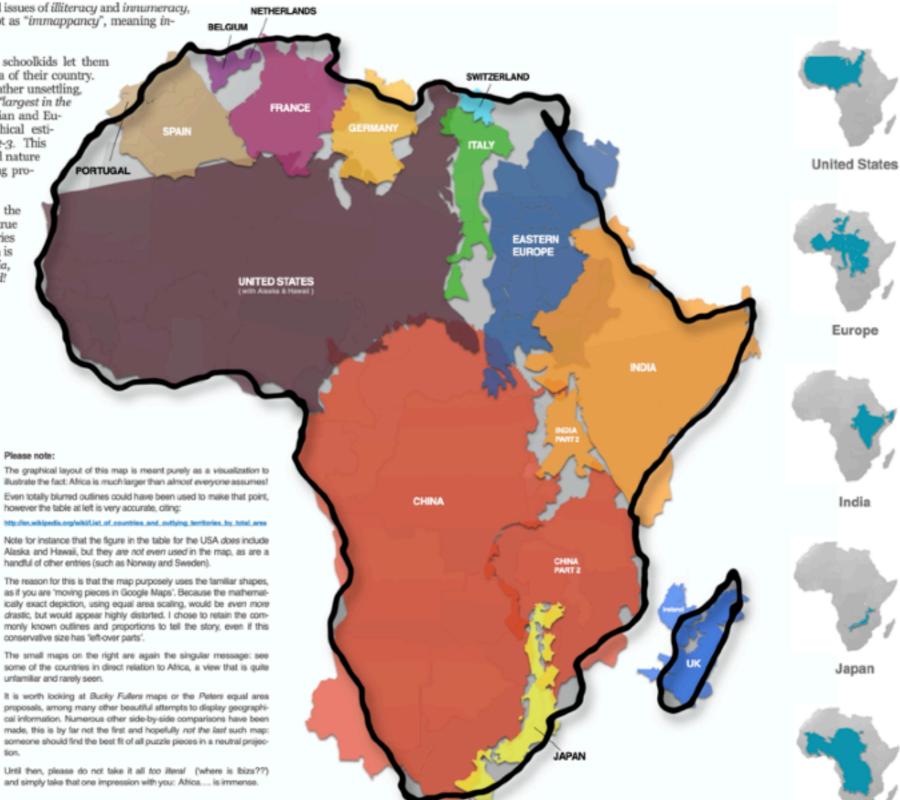
China

In addition to the well known social issues of illiteracy and innumeracy. there also should be such a concept as "immappancy", meaning insufficient geographical knowledge. A survey with random American schoolkids let them

guess the population and land area of their country. Not entirely unexpected, but still rather unsettling, the majority chose "1-2 billion" and "largest in the world", respectively. Even with Asian and European college students, geographical estimates were often off by factors of 2-3. This is partly due to the highly distorted nature of the predominantly used mapping projections (such as Mercator).

A particularly extreme example is the worldwide misjudgement of the true size of Africa. This single image tries to embody the massive scale, which is larger than the USA, China, India, Japan and all of Europe - combined!

COUNTRY	AREA x 1000 km²
USA	9.629
China	9.573
India	3.287
Mexico	1.964
Peru	1.285
France	633
Spain	506
Papua New Guinea	462
Sweden	441
Japan	378
Germany	357
Norway	324
Italy	301
New Zealand	270
United Kingdom	243
Nepal	147
Bangladesh	144
Greece	132
TOTAL	30.102
AFRICA	30.221
Just for Reference: The Surface of the MOON	37.930





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PROJECTED COORDINATE SYSTEM COMPONENTS

- A Geographic Coordinate System
 - Datum, with origin and units
- A projection
 - Developable Surface (such as cylindrical, conical, others)
- An origin
 - (x,y) = (0,0)
- Units
 - Distance: meters, feet