



1.2 Worldwide livestock populations

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VETS30030 / VETS90123

Animals we will cover this semester



- Cattle (beef and dairy), sheep (wool, meat and milk), goats (fibre, meat and milk), camelids (meat and sometimes milk) and alpaca (fibre and meat)

Classification of the Artiodactyla

Class—Mammalia

Order—Artiodactyla

Suborder—Suiformes

Family—Hippopotamidae—Hippopotamuses

Family—Suidae—Pigs

Family—Tayassuidae—Peccaries

Suborder—Tylopoda (L., "padded foot")

Family—Camelidae

Camelus bactrianus ferus—Wild Bactrian camel

C. bactrianus—Bactrian camel (two humps)

C. dromedarius—**romedary camel (one hump)**

Lama guanacoe—Guanaco

L. glama—Llama

L. (Vicugna) pacos—**Alpaca**

Vicugna vicugna—Vicuña

Suborder—Ruminantia—Ruminants

Family—Tragulidae—Chevrotain, mouse deer

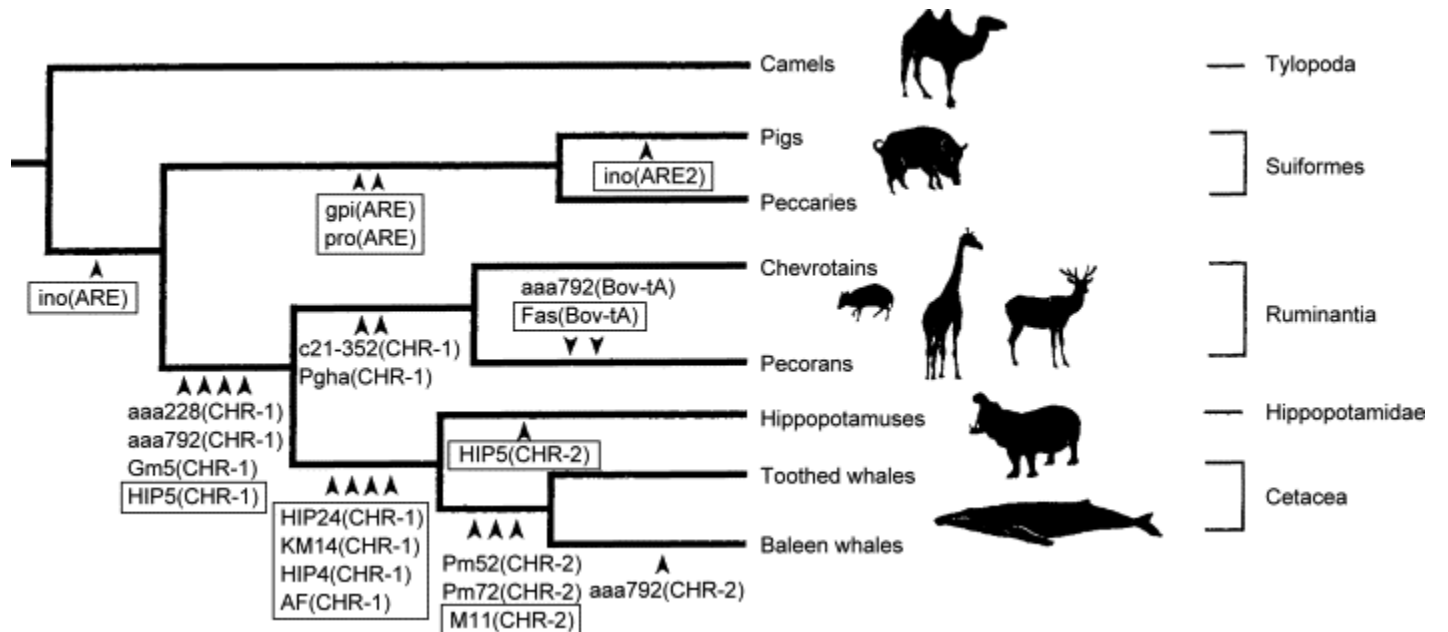
Family—Moschinae—Musk deer

Family—Giraffidae—Giraffe

Family—Cervidae—Deer, elk, caribou

Family—Antilocapridae—Pronghorn

Family—Bovidae—**Cattle, bison, antelope, sheep, goats**



Extract from Zoo and Wild Animal Medicine
(Sixth Edition) Links to an external site.,
Current Therapy, 2008, Pages 375-385

From <https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/artiodactyla>



1.3 Worldwide size of livestock industries

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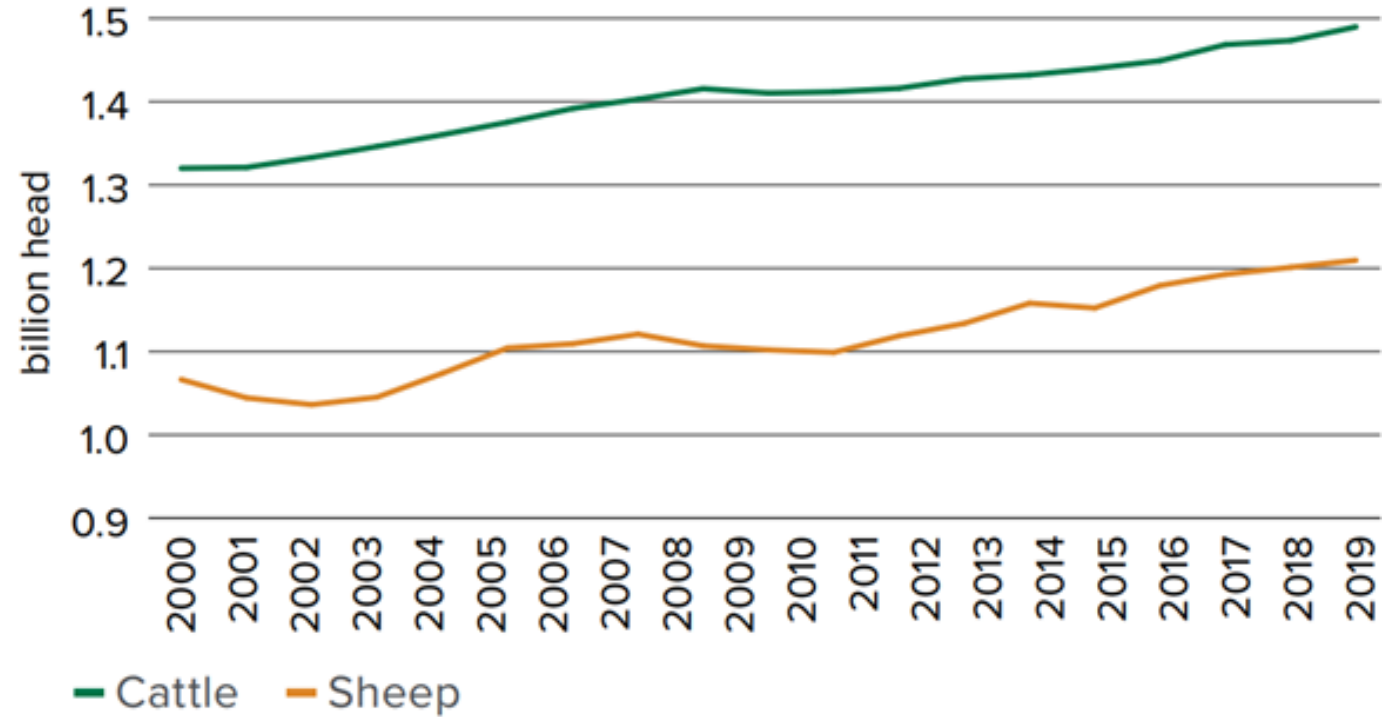
Overall size of international animal population determines total available output from them (whatever any output may be)

Each country likely to have different outputs, even from same animal as found in another country

Can be challenging to get current, accurate information on domesticated livestock around the world

Worldwide sheep flock

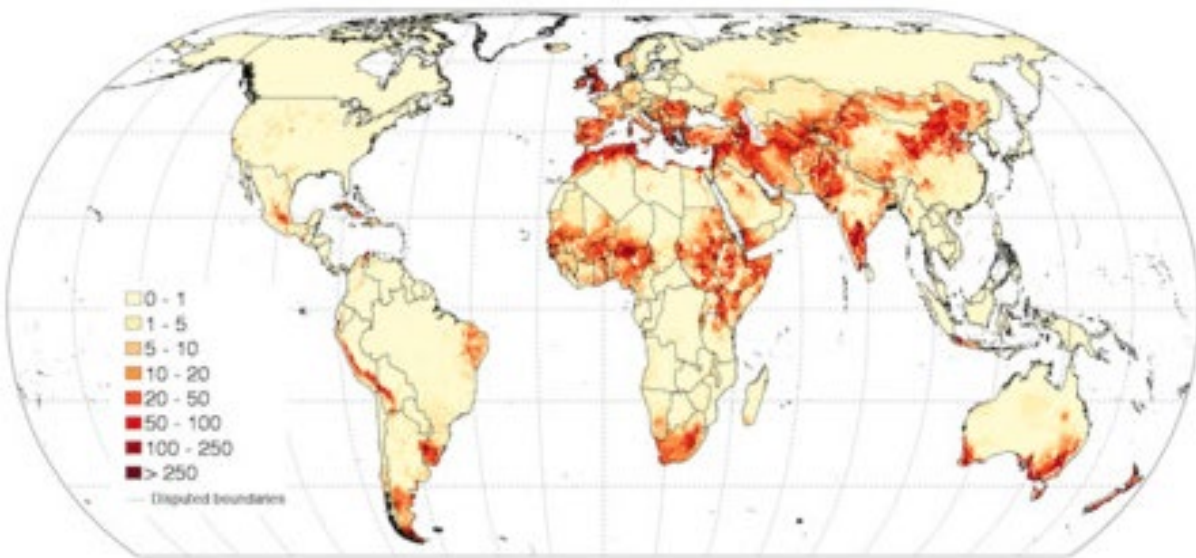
- Over 1 billion animals
- Challenging to get accurate counts given birth rate (often multiple lambs), potentially multiple births per year and also sales
- Density in a country can vary from region to region, not evenly distributed



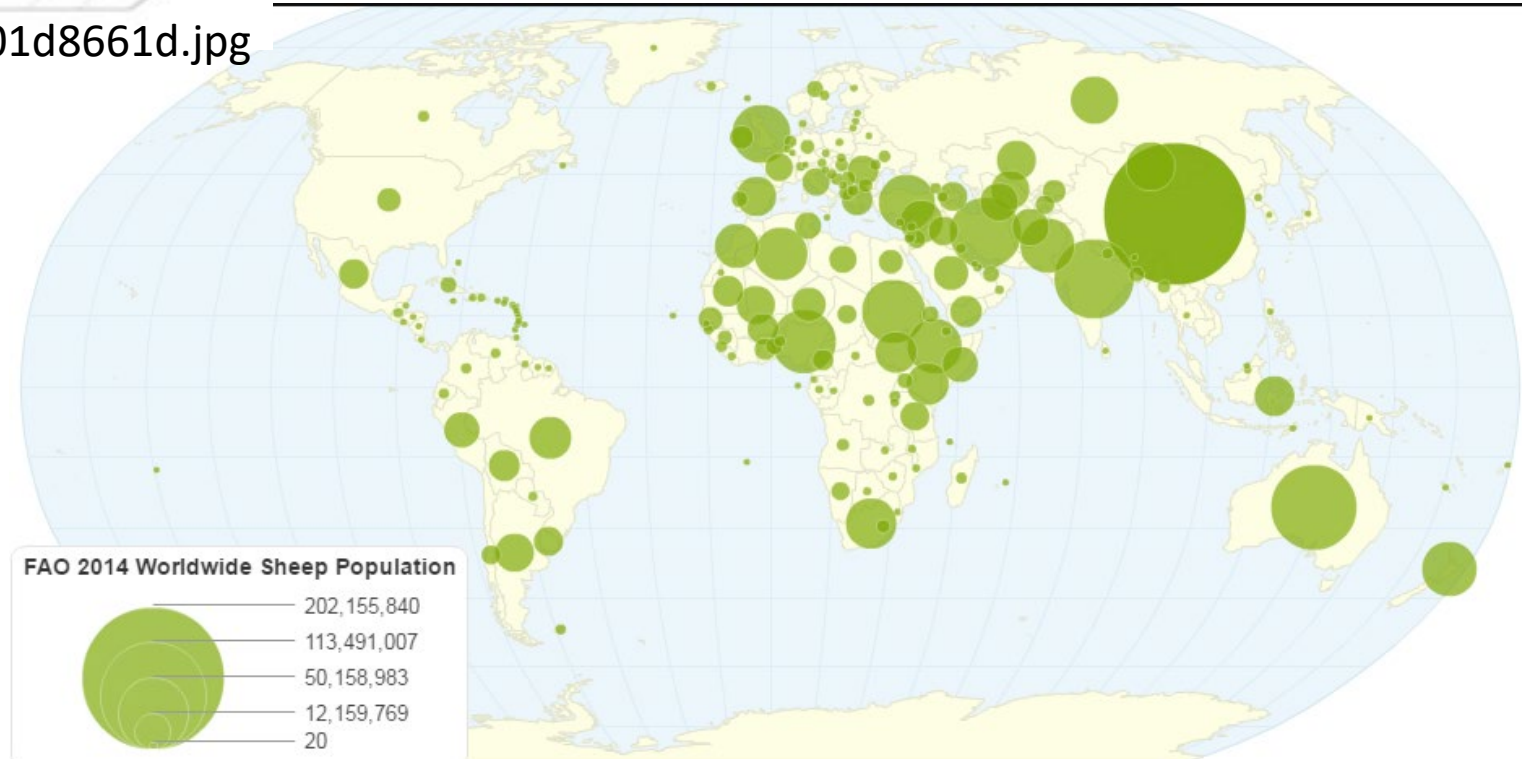
Source: FAO



Number of sheep per square kilometre in 2010



<https://www.fao.org/typo3temp/pics/7e01d8661d.jpg>

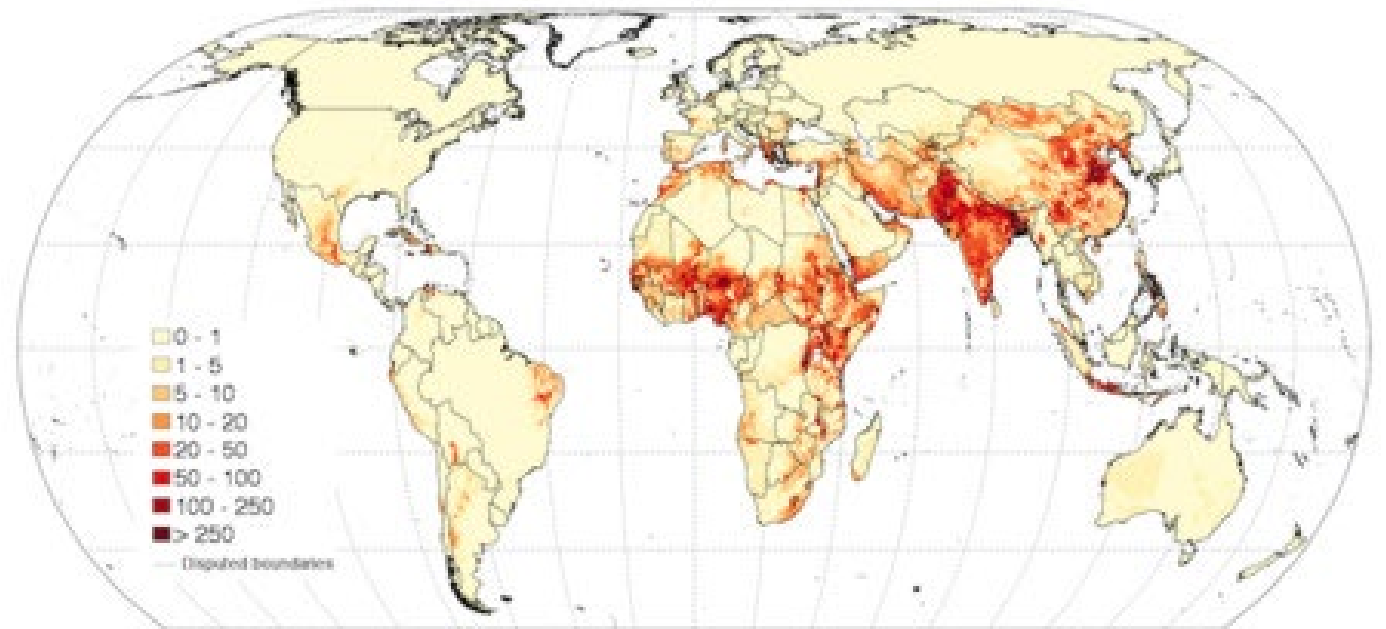


http://cdn3.chartsbin.com/chartimages/l_42239_9cd955684ffce310fdfbff06043c6419

Worldwide goat herd

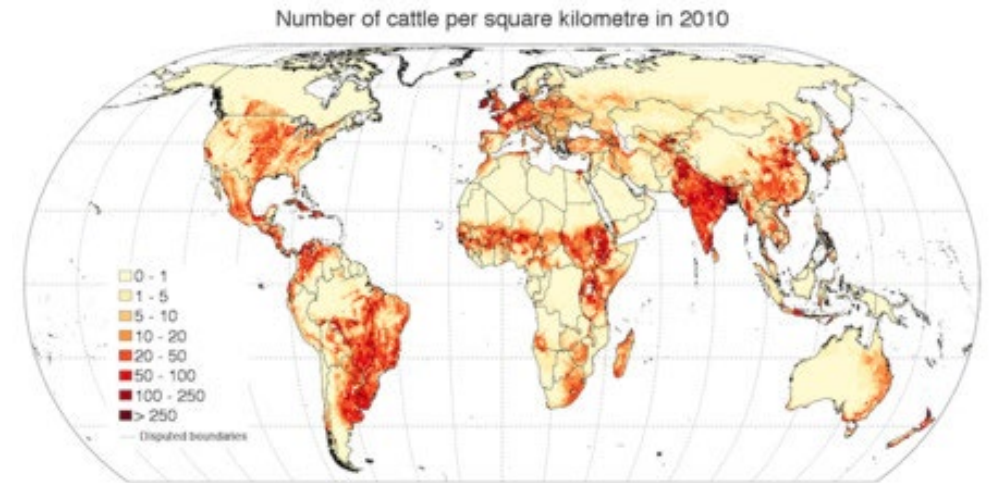
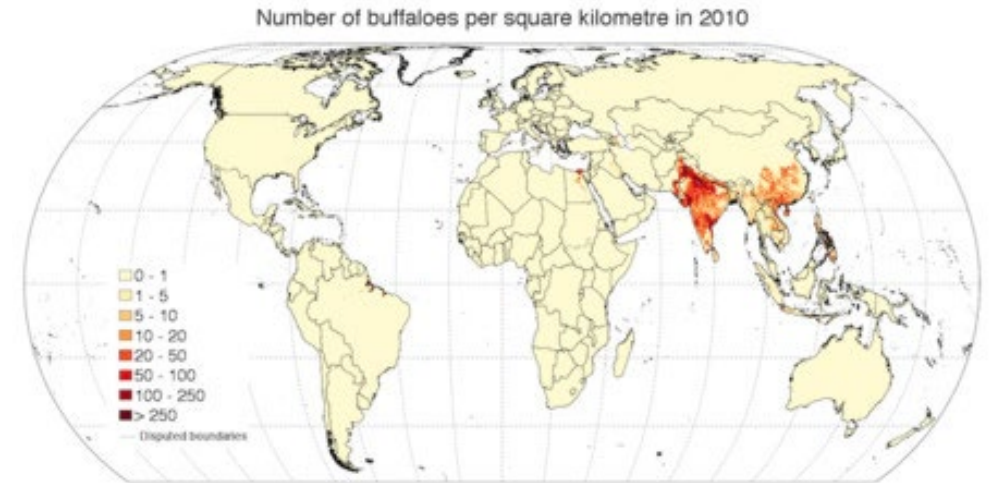
- About 750,000 goats (smaller than sheep)
- Often grown in similar areas

Number of goats per square kilometre in 2010



Worldwide cattle (beef and dairy) herd

- According to <https://www.statista.com/statistics/263979/global-cattle-population-since-1990/> approximately 1 billion cattle
- Buffalo also farmed around the world (approximately 200 million buffalo around the world)



<https://www.fao.org/typo3temp/pics/20734530c8.jpg>



Deer, alpaca and camel herds

- Significant wild deer populations
- In the 2000s about 4 million deer farmed, largest populations in NZ (red deer), then USSR next biggest
- Approximately 3.5-4 million alpaca, mostly South America (Peru)
- Global camel population 25-30 million head in 2013

