CARBON FOOTPRINT
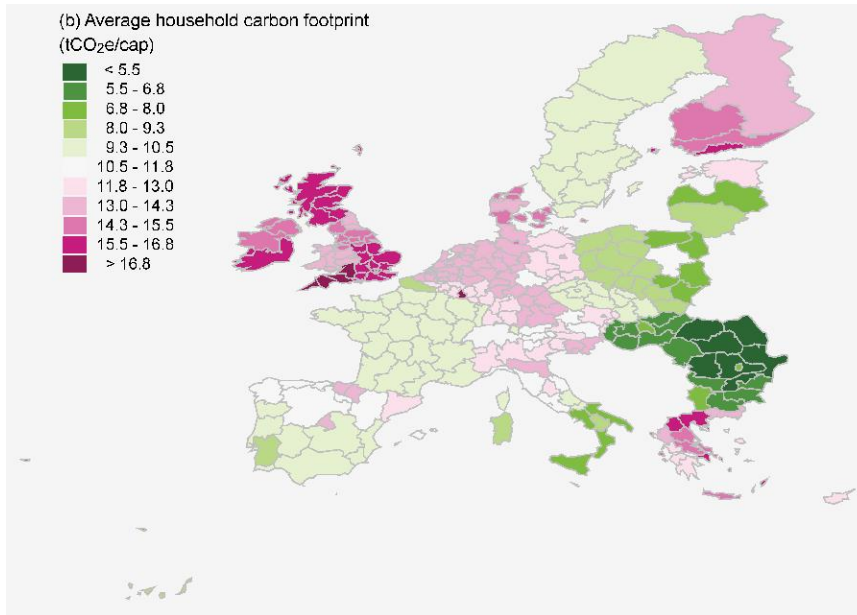

(b) Average household carbon footprint (tCO2e/cap)

Rocca, Boscati

What?

A carbon footprint is the total amount of greenhouse gases(including carbon dioxide and methane) that are generated by our action. The average carbon footprint for a person in the United States is 16 tons, one of the highest rates in the world, but in Italy is 3 tons.

EXAMPLE:

For example, the carbon footprint of a bottle of water includes the CO_2 or CO_2 equivalent emitted during the manufacture of the bottle itself plus the amount emitted during the transportation of the bottle to the consumer.

When?

The concept of **Carbon Footprint** was invented in the early 1990s by Canadian ecologist William Rees and Swiss-born regional planner Mathis Wackernagel at the University of British Columbia.

Why?

Carbon is a shorthand for all the different greenhouse gases that contributed to global warming. The term carbon footprint, therefore, is a shorthand to describe the best estimate that we can get of the full climate change impact of something. Carbon emissions affect the planet significantly, as they are the greenhouse gas with the highest levels of emissions in the atmosphere. This, of course, causes global warming and ultimately, climate change. Carbon dioxide is released into the atmosphere when fossil fuels coal, natural gas, and oil are burned.

The Biggest footprint

Transportation (29 percent of 2019 greenhouse gas emissions) – The transportation sector generates the largest share of greenhouse gas emissions. Greenhouse gas emissions from transportation primarily come from burning fossil fuel for our cars, trucks, ships, trains, and planes.

Which country produces more pollution?

The countries that produce more pollution are:

1. China (10.065 million tons of CO_2 emitted)
2. USA (5.416 million tons of CO_2 emitted)
3. India (2.654 million tons of CO_2 emitted)
4. Russia (1.711 million tons of CO_2 emitted)
5. Japan (1.162 million tons of CO_2 emitted)
6. Germany (759 million tons of CO_2 emitted)
7. Iran (720 million tons of CO_2 emitted)
8. South Corea (659 million tons of CO_2 emitted)
9. Saudi Arabia (621 million tons of CO_2 emitted)
10. Indonesia (615 million tons of CO_2 emitted)

How reduce it?

Consume local and seasonal products (forget strawberries in winter),limit meat consumption, especially beef, select fish from sustainable fishing, bring reusable shopping bags and avoid products with excessive plastic packaging,make sure to buy only what you need, to avoid waste.

BP

It turns out that the concept of the "carbon footprint", that popular measure of personal impact, was the brainchild of an advertising firm working for BP(Big Oil, British Petroleum).

REFERENCE LIST:
-www.wikipedia.it
-www.mite.gov.it