

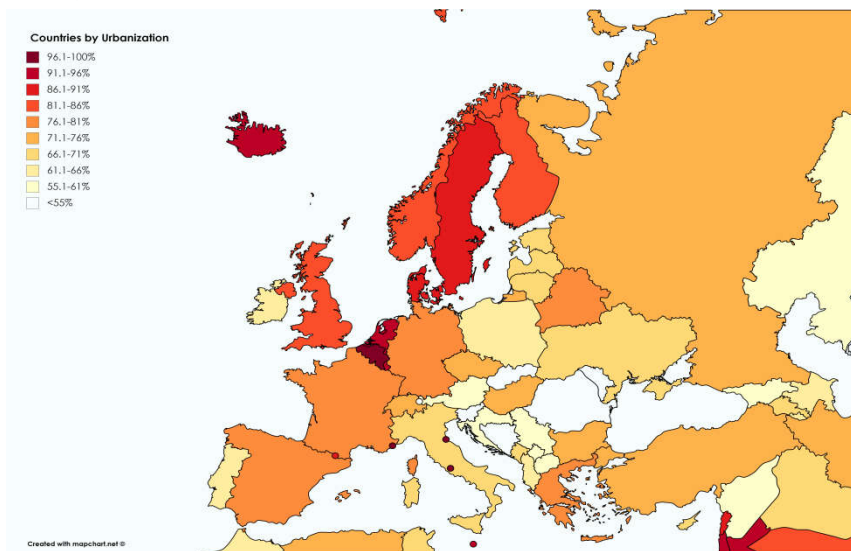
Unit 3: urbanization and its problems

12th lesson

- 20' – Discussion. Activate knowledge

The teacher shows on the IWB some sentences about urbanization and students shall think about their meaning. The teacher can also show and give one graph or map per subject. When they reach a quite acceptable answer, the teacher can make them write the sentence on their notebook and glue the table under the statement.

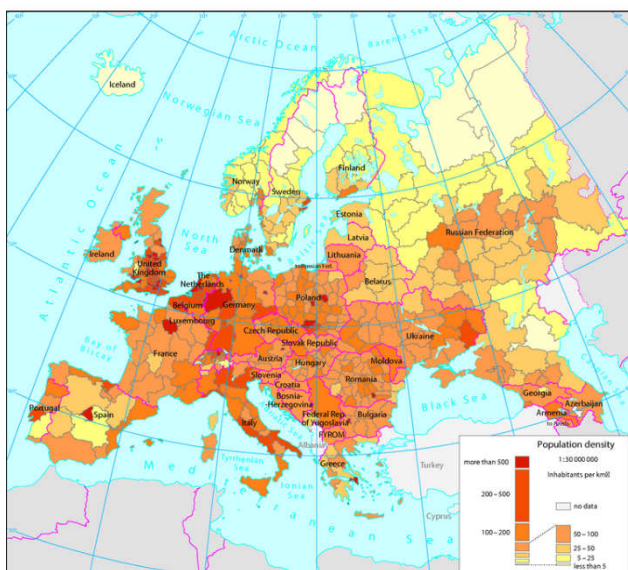
1. Europe is the most urbanized continent



<https://i.redd.it/2l405hidm3521.png>

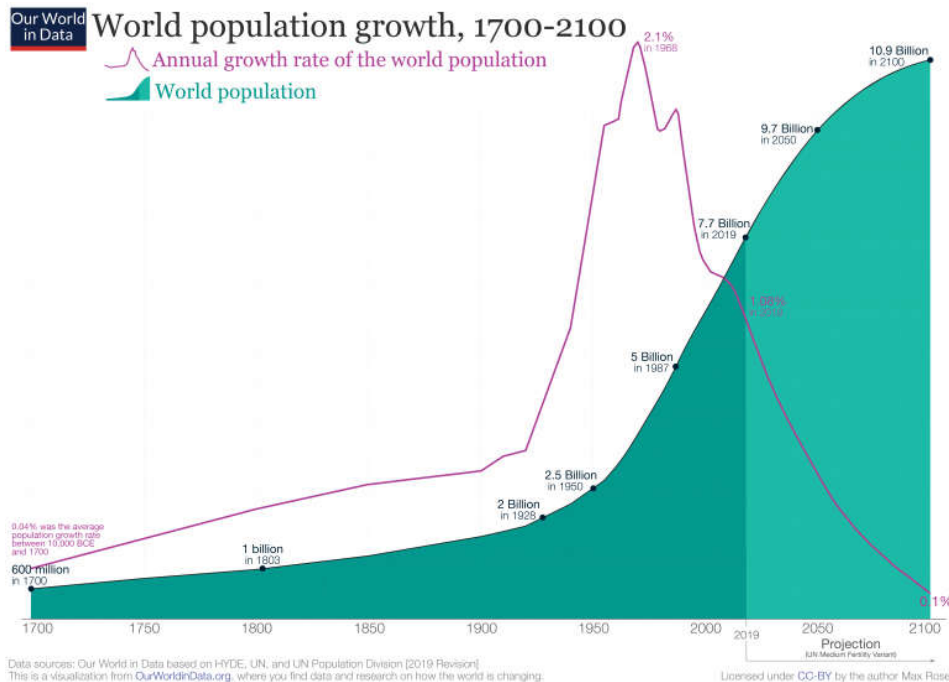
2. The population density is the number of people who live in a square kilometer. In Iceland live 3 people per square kilometer!

Map 1.1 Population density in Europe.
Source: WHO



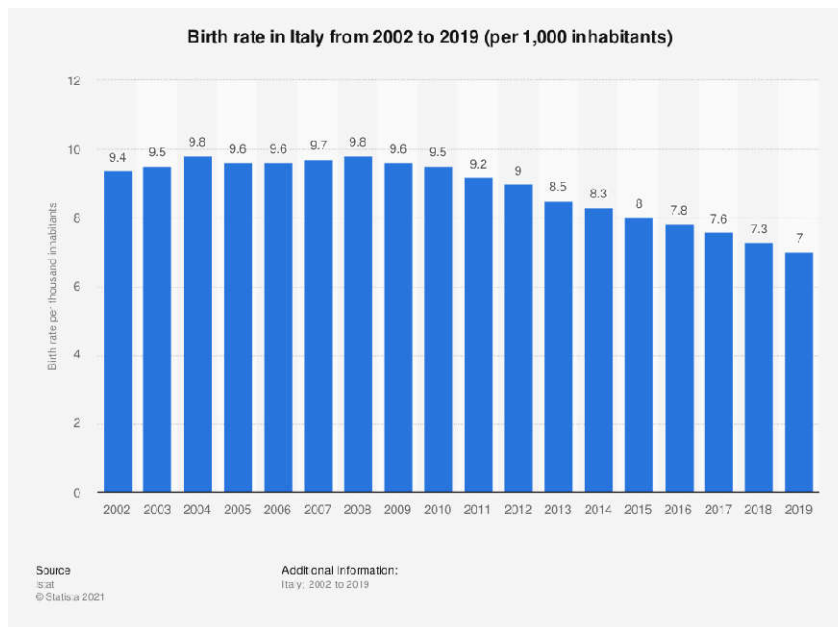
https://www.eea.europa.eu/data-and-maps/figures/population-density-1992/image_large

- Global population growth has increased so fast in the last 2 centuries
- The population has grown with an impressive speed: in 2050 it will reach 10 billion people



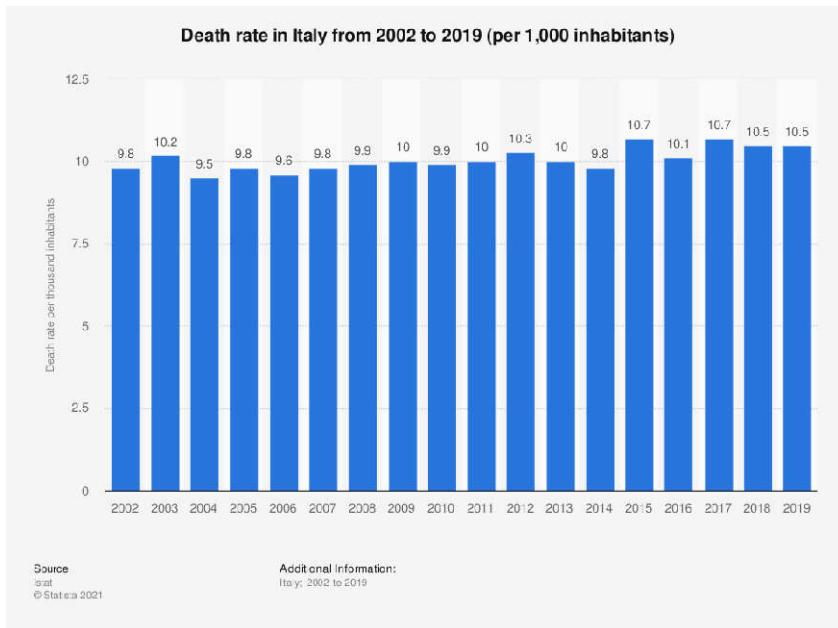
<https://ourworldindata.org/uploads/2019/06/2019-Revision-%E2%80%93-World-Population-Growth-1700-2100-772x550.png>

- We call birth rate the number of people who are born in a specific zone. It is calculated out of 1000 people



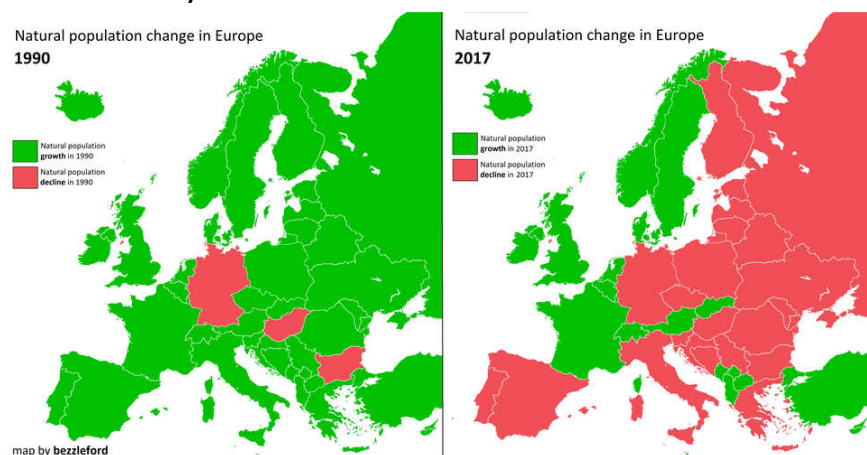
<https://www.statista.com/graphic/1/567936/birth-rate-in-italy.jpg>

- We call mortality rate the number of people who are born in a specific zone. It is calculated out of 1000 people



<https://www.statista.com/graphic/1/568024/death-rate-in-italy.jpg>

7. The natural growth of population is the difference between the birth rate and the mortality rate



<https://preview.redd.it/ie7m1t3v1q121.png?width=960&crop=smart&auto=webp&s=72b449021adf5dfae87a414bc8f0f1f4f0a8f721>

- 10' – first activity

Together, teacher and students calculate the area of the classroom and find the data of the classroom's population density.

Example:

T: Our class is 4 meters long and 5 meters wide. It has an area of...

S: 20 meters!

T: Ok, and how many people are we in the classroom?

S1: We are 20

S2: And the teachers, we are 22.

T: So, the population density is 22 inhabitants – it means us – divided by the area of the classroom. We can use the calculator... How much is it?

S: 1,1

T: Exactly! We can say that our population density is 1,1 person per square meter.

- 20' – exercise

Work with a schoolmate. Complete the table calculating the birth rate, mortality rate and natural growth of the following countries. Follow the example.

COUNTRY	BIRTH RATE (EVERY 1000 PEOPLE)	MORTALITY RATE (EVERY 1000 PEOPLE)	NATURAL GROWTH (EVERY 1000 PEOPLE)
Argentina	17,2	7,5	9,7
Austria	10	9,2	.....
Bulgaria	9,1	.....	6
China	.....	7,3	4,7
Italy	10,1	7,8	.....
Middle East & North Africa	22,8	5	.....
Niger	.....	9,7	38,4