

Population, Education and Sustainable Development

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What are demographic trends?



The classic definition of the discipline of demography is:

the scientific study of changing population size and structures.

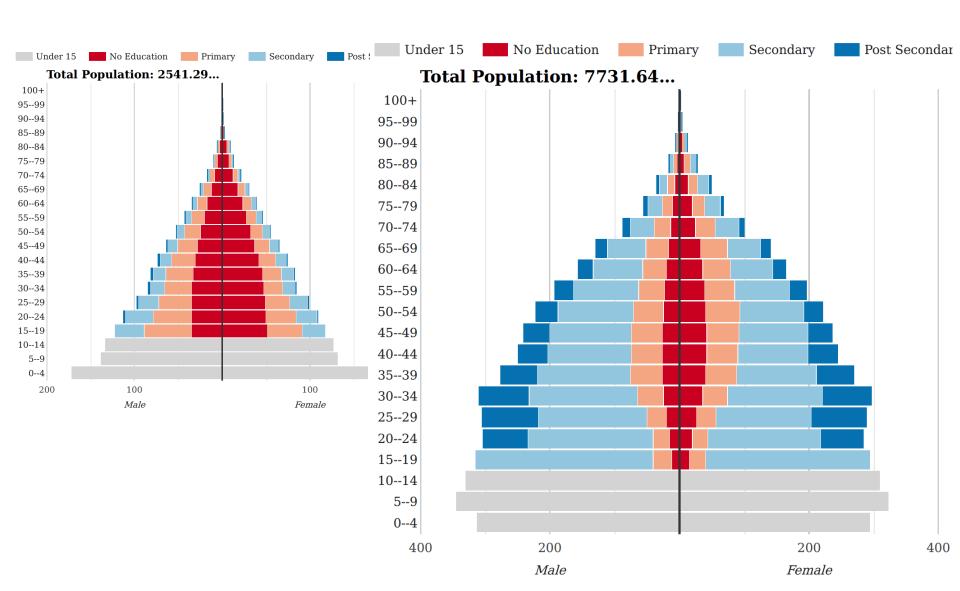
"Structures" is stated in plural referring to multiple structures (not only age structure)

Multi-dimensional demography (study population structures by age, sex, place of residence, education, Labor Force-Participation, ethnicity ... as traditionally collected in censuses)

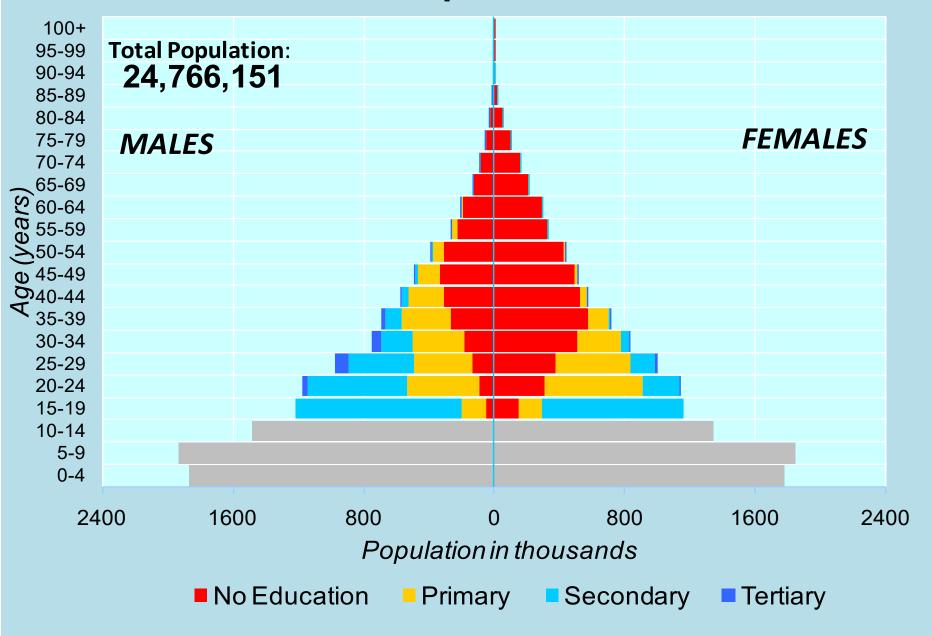
This multi-dimensional approach makes the study of changing population structures much more relevant for sustainable development than a limited focus on age structure alone.

Age and education pyramids for the world population in 1950 (left) and 2020 (right).

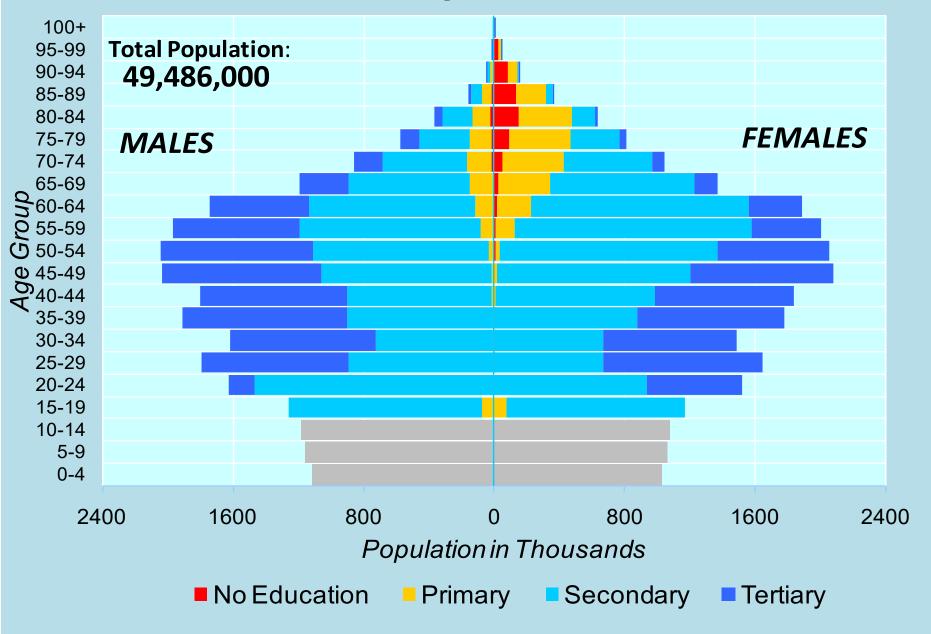
Source: WIC Graphic Explorer



Republic of Korea-1960

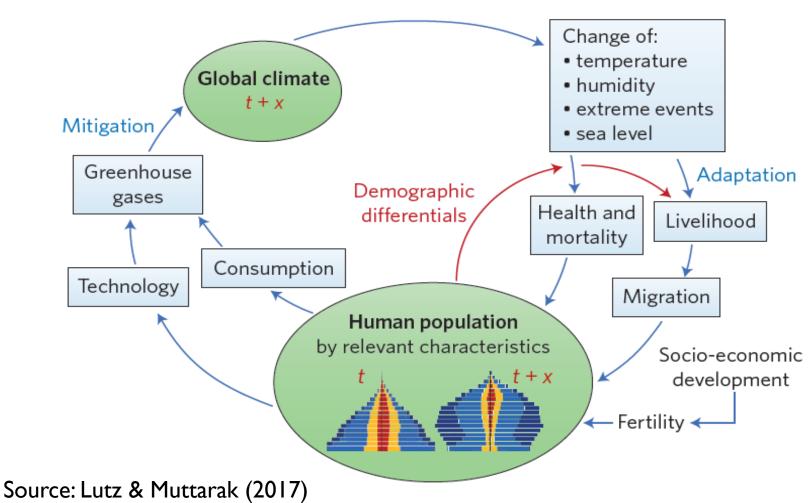


Republic of Korea-2020



Interactions between Population and Climate Change





Nature Climate Change.





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Climate change is harder on less educated people

And covid learning loss has made them even more vulnerable



Under a multi-dimensional demographic perspective the future looks different

Wittgenstein Centre

The "burden" of demographic aging (From: Marois, Belanger and Lutz; PNAS 2020)

Figure 2. Projections of the three different dependency ratios for the EU-28, baseline scenario, 2015-2060

