

# How climate change affects population dynamics (Raya Muttarak)

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Fertility, mortality and migration are the three main factors that guide demographic dynamics; the same three factors that climate change has been strongly impacting on. Throughout her talk, Raya Muttarak reveals how climate change interplays with these three population determinants and why it is crucial to define new public policies, as well as local and international laws, in order to make sure that adaptation and mitigation actions are inclusive and that no one is left behind. Currently Professor of Demography at the Department of Statistical Sciences at the University of Bologna (Italy), Raya Muttarak is also a Principal Investigator of the ERC consolidator grant project POPCLIMA “Population Dynamics under Global Climate Change” (2022-2026). Her main research areas include population and environment, with a focus on particularly demographically differentiated vulnerability and the ability of humans to respond and cope with consequences of extreme climate events. This talk was given at a TEDx event using the TED conference format but independently organized by a local community. Learn more at <https://www.ted.com/tedx>