

# Making sense of sustainable growth: demography, technology and the environment

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What makes growth sustainable? Will we always get richer? What resources do we need to preserve for future generations? Will technology accelerate growth or displace workers? This module provides insights into what drives growth and what makes growth sustainable.

## The module will focus on:

- sustainable growth – concepts and measurement
- demographic change
- environment – natural resources, climate change, energy and regulation
- technological change – innovation, disruption and growth
- political economy, e.g. intergenerational transfers

## At the end of this module you will:

- be able to evaluate the impact of demographic change on the economy
- be able to assess the impact of technological change on employment and productivity
- understand the role of trade, food security and energy security in growth

## You will understand and be able to use frequently used terms:

- dependency ratio
- inequality
- shadow prices
- ecosystem services
- Solow model
- tipping points
- natural capital
- stocks and flows
- productivity
- externalities spill-overs
- network effects
- creative destruction

This module puts you in the position to understand about long-term trends and the drivers of growth. It complements the modules on making sense of cost-benefit analysis and making sense of trade.

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