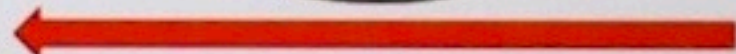
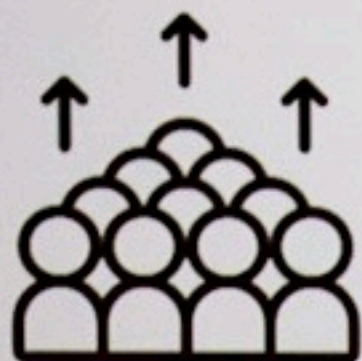


## Our World, Agriculture by 2050:



**9.7**

9.7 billion people on Earth  
(over 25% increase by 2050)

Urban population to increase from  
**50 to 70%**

Global food production must increase by approx.  
**50%**

Arable farmland will decrease by 70 million hectares in developed countries and increase by 120 million hectares in developing countries

**+3%**

**90%**

of the growth in agricultural production will come from yield increases

Rural Depopulation  
Less Farmers,  
Farm Consolidation

Farmers are aging  
**11%** less than 40 year-old in EU

**9%** less than 35 year-old in USA

Climate change  
Soil conservation  
Water scarcity  
Agriculture will require

**+11%**

of water for irrigation

Social & political pressure (farm chemicals, GMOs, fertilizers, water...)

The 1.5°C pathway requires:

**-2,3 GtCO<sub>2</sub>**

**-50% CH<sub>4</sub>**

**-20% N<sub>2</sub>O**