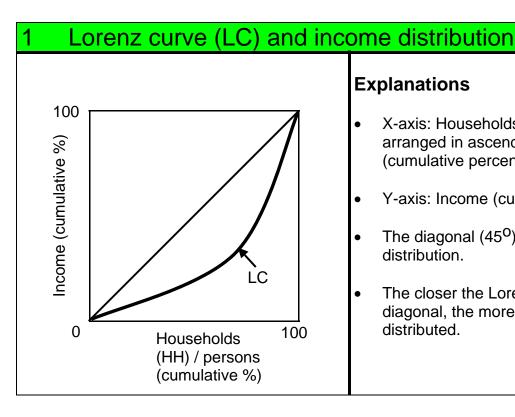
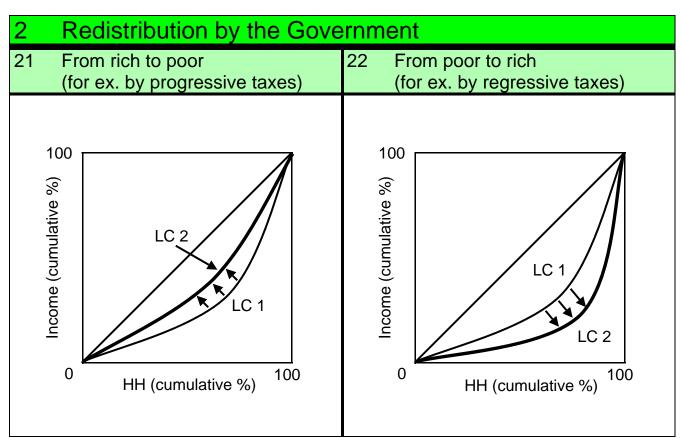
## Lorenz Curve and Gini Coefficient

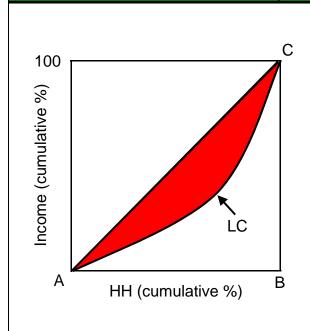


## **Explanations**

- X-axis: Households/persons are arranged in ascending order of income (cumulative percentage).
- Y-axis: Income (cumulative percentage)
- The diagonal (45<sup>0</sup>) displays totally equal distribution.
- The closer the Lorenz curve lies to the diagonal, the more equal income is distributed.



## 3 The Gini coefficient (GC) as a measure of (in)equality



## **Explanations**

Gini coefficient =

Area between the diagonal and the LC (coloured)

Total area under the diagonal (= ABC)

- The GC has a value between 0 and 1.
  The bigger it is, the more unequally income is distributed.
- Special cases

 $GC = 0 \rightarrow totally equal distribution$ 

 $GC = 1 \rightarrow totally unequal distribution$