

# DOES AGEING CAUSE MORE INEQUALITY IN GERMANY?

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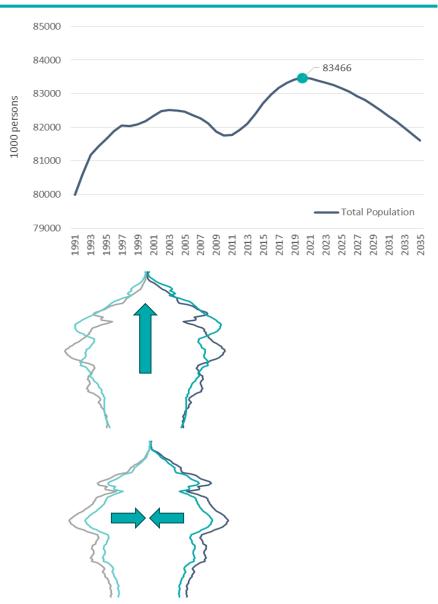


### 1. Ageing and Inequality

Demographic change in Germany Income structure of pensioners Demographic change and inequality

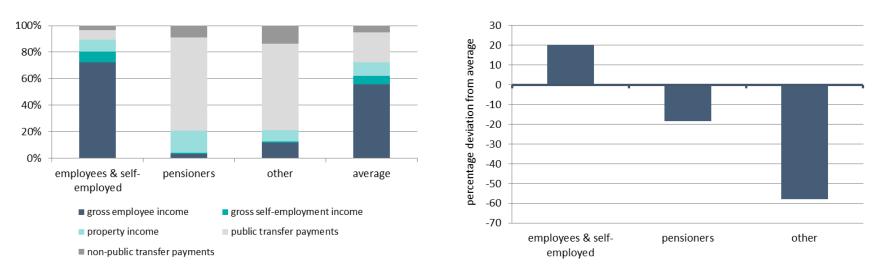
# Demogrphic change in Germany

- ► New:
  - ⇒ high net migration
  - ⇒ population grows until
    2020
- Demographic change in Germany
  - ⇒ structural effect: different age structure (population is ageing)
  - quantity effect: different population size (population is getting smaller)
  - ⇒ Pensioner households
    - 31% in 2013
    - 40% in 2035



## Income structure of elderly people

- Different income structures:
  - ⇒ Pensioner household:
    - public transfer payments, property income
    - 18% below average
  - $\Rightarrow$  working households:
    - 80% wage income, higher level of disposable income, 20% above average



### ■ 60% of all households → high impact on average income

# Demographic change and inequality

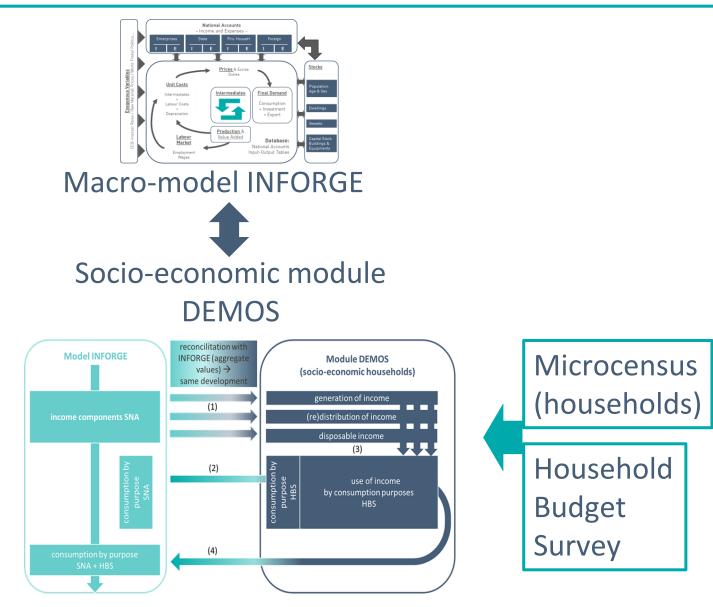
- The interaction between ageing and inequality (Mookherjee & Shorrocks 1982, Pestieau 1989, von Weizsäcker 1996, Lam 1997)
  - ⇒ not easily answered
  - ⇒ outcome depends on opposed effects
  - ⇒ is sensitive to influencing factors such as politics
- Empirical findings (Faik, 2012, Peichl et al., 2012, Guerin, 2013): Income inequality increase with ageing



## 2. Methodology and Results

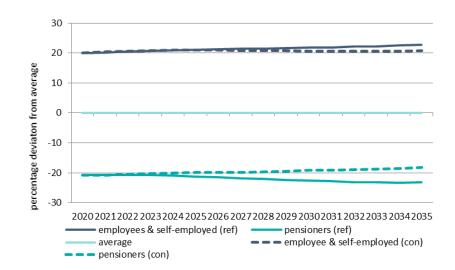
### DEMOS & INFORGE Total effect Quantity and structural effect for pensioner households

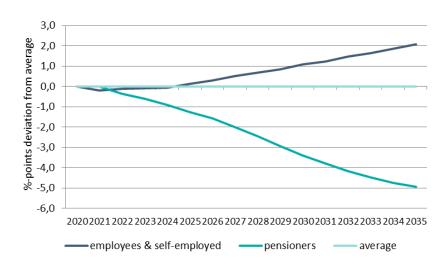
# Methodology



# Results (1/2)

- Distance between pensioner and working household increases:
  - ⇒ pensioners: 21% (2020) →
    23% (2035) below average
  - ⇒ working: 20% → 23% above average
- Total effect of demographic change
  - ⇒ higher for pensioner households
  - ⇒ income inequality 5%points higher than under constant conditions

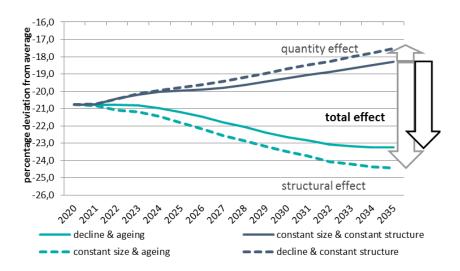




# Results (2/2)

- split of demographic change in
  - $\Rightarrow$  quantity effect:
    - very small
    - positive
  - ⇒ structural effect:
    - main component of total effect
    - negative
    - share of pensioners increase → labour force decrease
    - labour shortage, high wage raises

# Structural, quantity and total effect of demographic change on income inequality for pensioner households (2020-2035)





## 3. Conclusion

## Conclusion

- ► Ageing increases the distance of different houshold incomes from average → more inequality
- Labour market shortage is the main driver for inequality: wages increase faster than transfer payments (pensions)
- Declining population size has equalizing effect
- Outcome depends also on successful integration of migrants
- Future net migration can postpone the inequality effect of ageing
- Next steps:
  - ⇒ new HBS data end of 2015 → assessment of the magnitude of increasing inequality

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### Thank you for your attention.



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