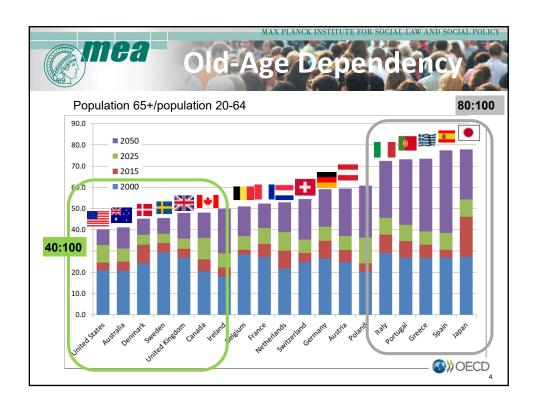
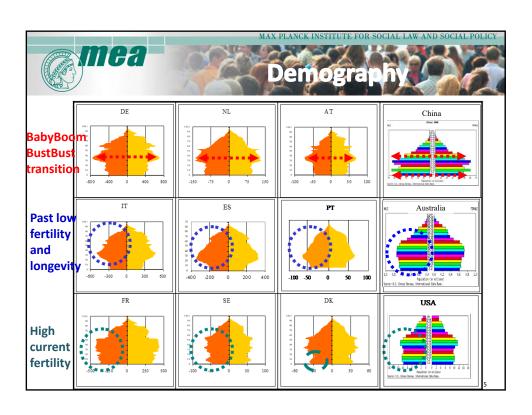




- **1. Demographic challenges:** population aging and migration
- 2. Structural challenges: design and political economy
- **3. First pillar (PAYG) reforms:** the role of automatic stabilizers
- **4. Reforms in occupational and private pension pillars:** the role of information, transparency and default/automatic enrolment







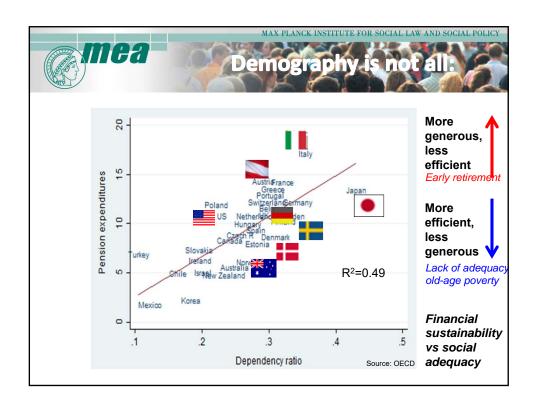
## Need at least three different policy instruments to tackle demography:

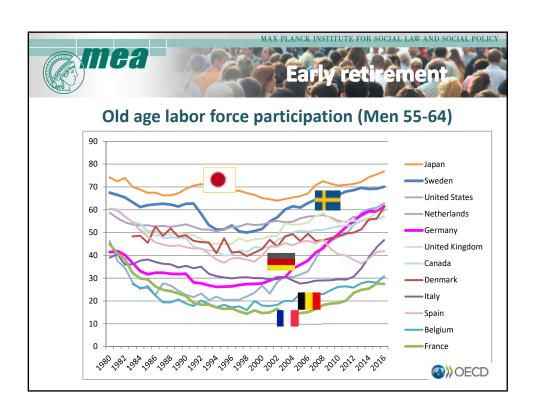
- Baby boom/bust: pre-funding (intergenerational redistribution; fiscal consolidation)
- Longevity: adjust working life
  (retirement age up to maintain proportions)
- Fertility: quantity/quality (not just #kids: education & health)

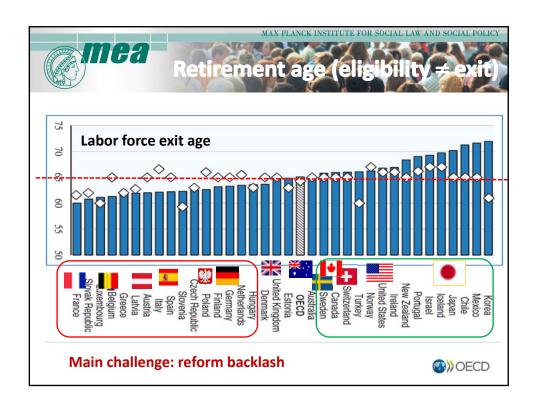
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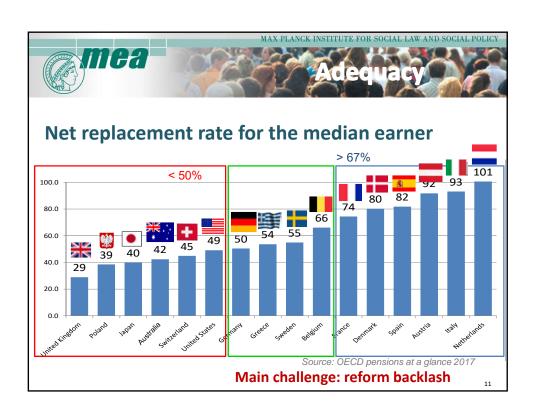


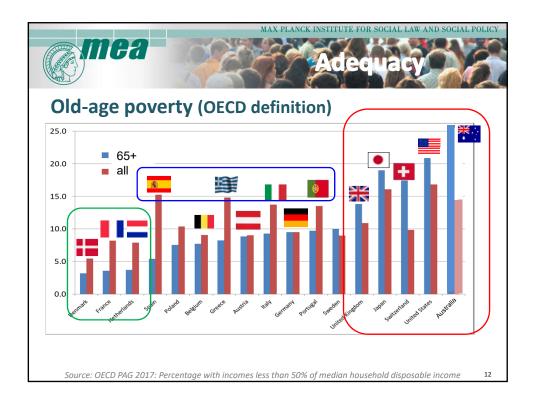
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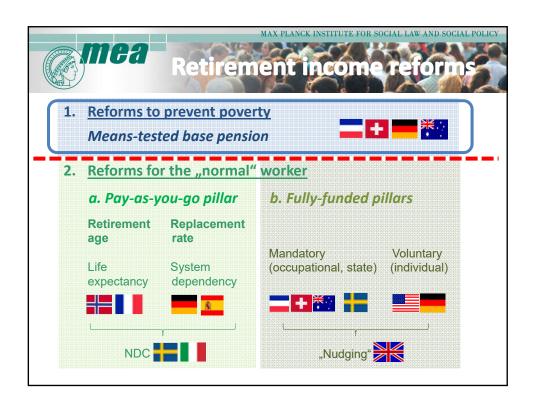


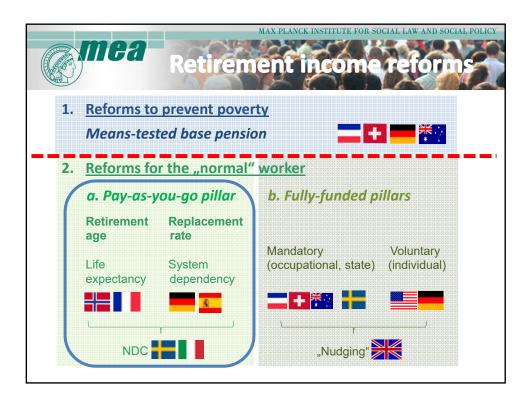


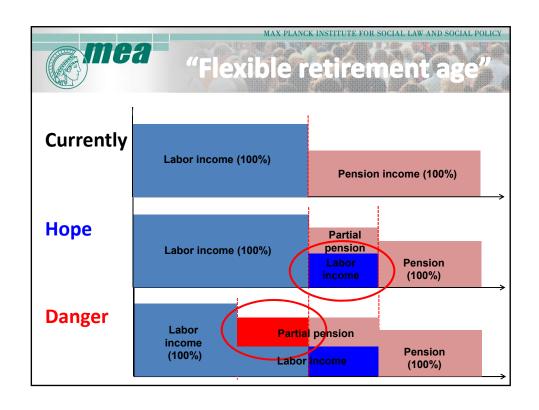


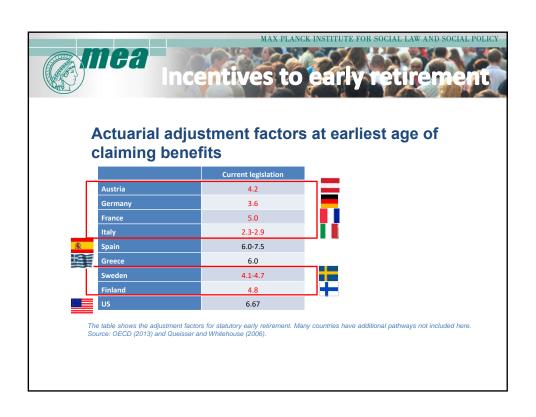


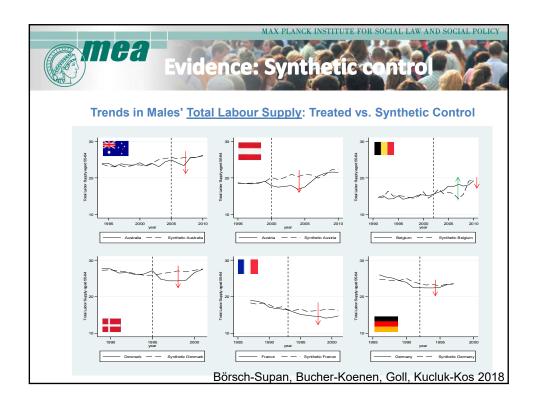
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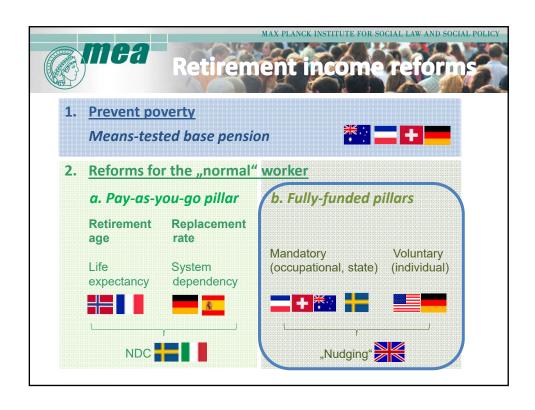


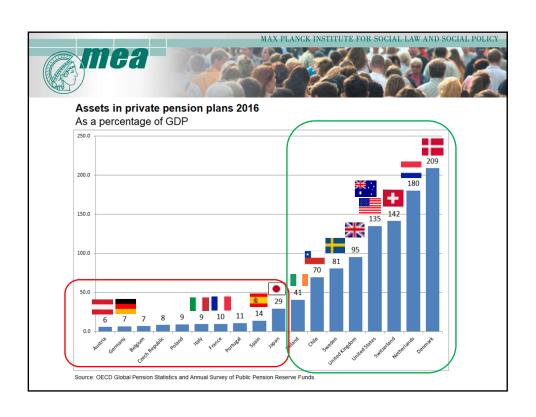


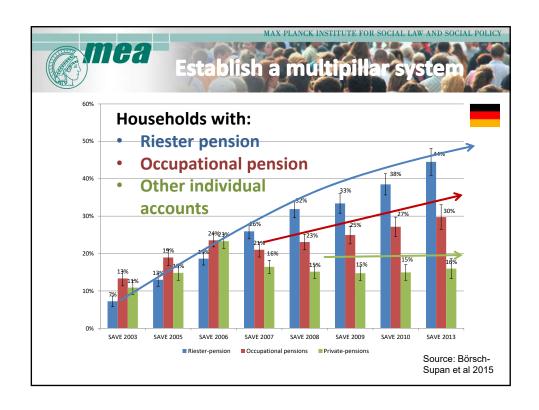


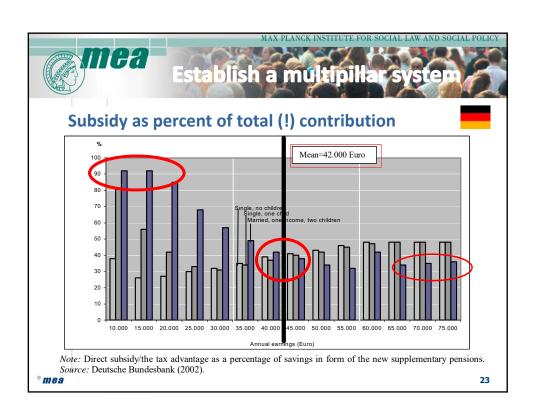


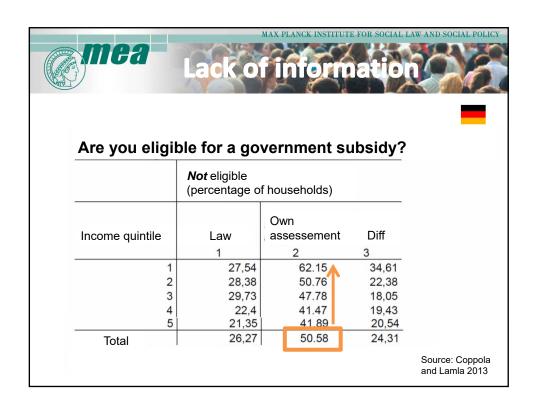
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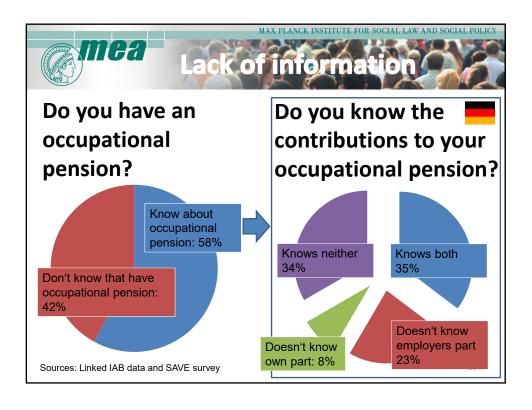


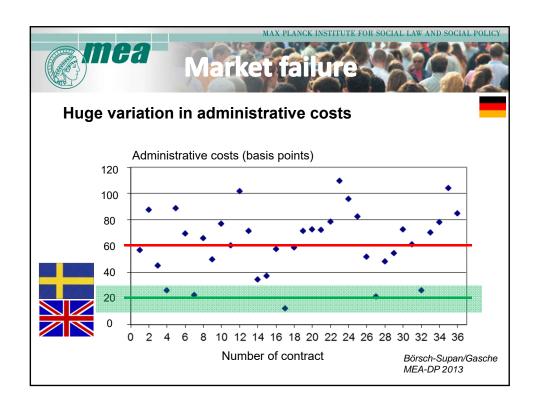


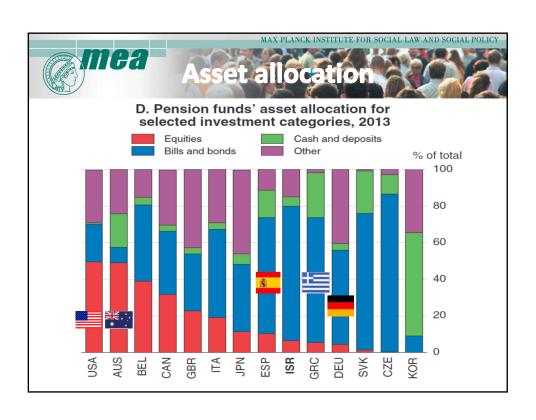














- Europe's ageing challenges are large
  - Political challenges of the sustainability vs. adequacy debate
  - Additional funding too late for the baby boomers
- ▶ There are many good reform ideas in Europe
  - Notional defined contribution systems which adapt to population aging and create a sense of actuarial fairness
  - Automatic adjustment of retirement age to life expectancy
  - Sustainability factor: Index benefits to dependency ratio
- Voluntary second and third pillar took up in Germany, but still serious problems
  - Wide-spread lack of information: employees and employers
  - Markets failed to weed out costly pension plans

