

Expert Group Meeting on Population, Technology and Research in the Context of Sustainable Development

Session III:
**Ageing populations:
Technological advances for lengthening healthy,
independent and active lifespans**
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Presentation by Michael Herrmann
Senior Adviser, Economics and Demography
UNFPA – United Nations Population Fund

Context

- **The two SG Reports to CPD**

- UN DESA Population Division: Trends report
- UNFPA programmatic report
- CPD Theme: Population, Technology and Research in the Context of Sustainable Development
- Session Theme: Technological advances for lengthening healthy, independent and active lifespans
- Individual-level focus: Technology to enable a more independent and active life of older persons
- Macro-level focus: Technology to manage a trade-off between labor and capital

- **The SG Report on programmes**

- Less focused on individuals – Please share programmes you would like to draw our attention to!
- More focused on economy – demography and technology/ labor and capital
- Population ageing – universal phenomenon, w/ marked differences based on demographic state, income, development

Population ageing and labor force implications

HICs – not typical programme countries

- Advanced stage of demographic transition
- Advanced population ageing / high share of older persons in total population
- Population ageing often happening in context of labor force decline and even population decline

Policy challenges

- Limited scope to of “demographic solutions” to labor force decline (postponement of retirement/ active and healthy ageing; female labor force participation; immigration).
- Reliance on technology, robotics, AI, etc.

MICs

- Intermediate stage of demographic transition
- Fast population ageing/ Rapid increase in number and share of older persons in total population
- Population ageing often at cusp of labor force decline, if not population decline

Policy challenges

- Greater scope for “demographic solutions”
- At the same time, need to raise productivity levels, capital accumulation, technological progress

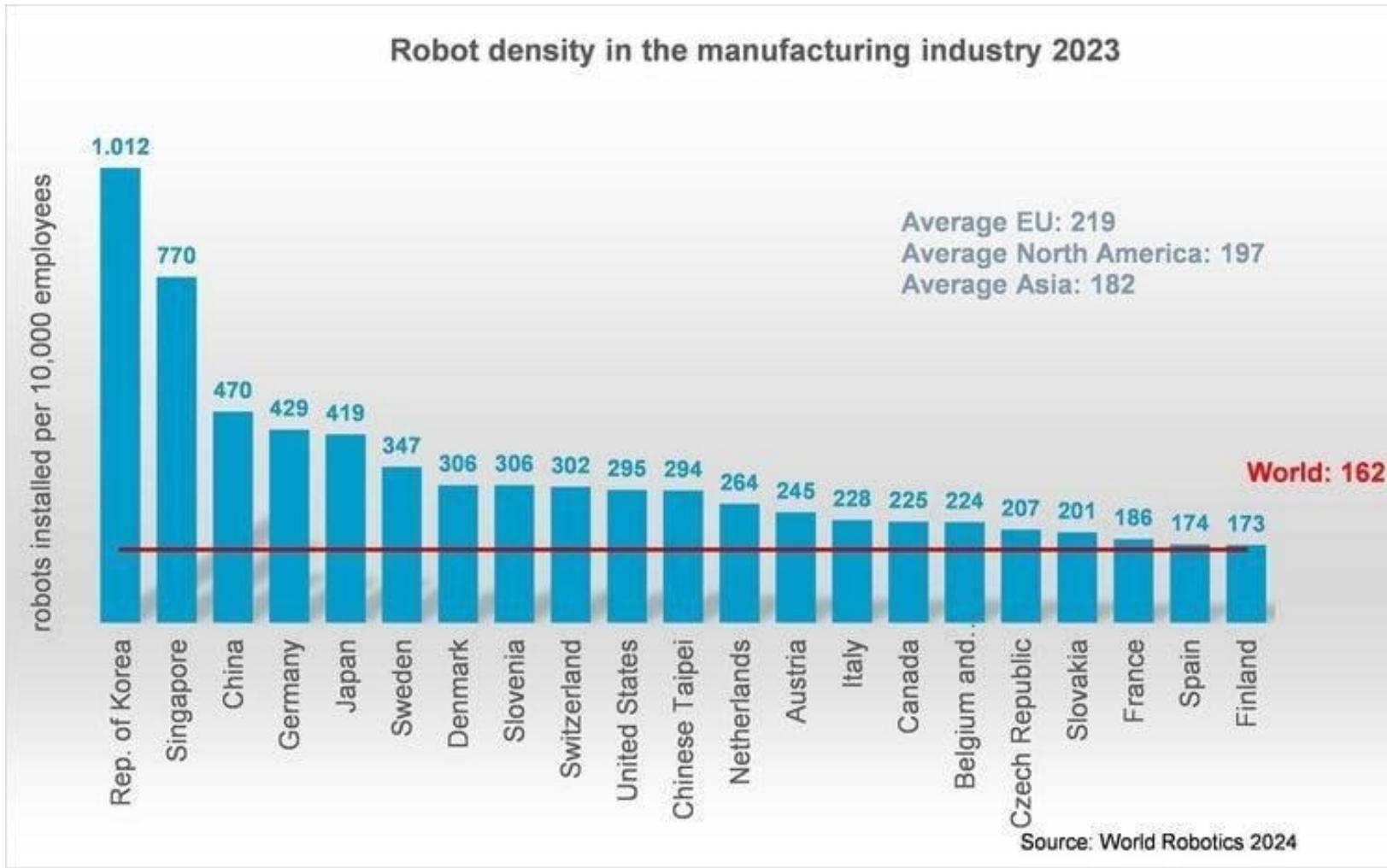
LICs

- Early stage of demographic transition
- Fast population ageing/ Rapid increase in number of older persons, albeit small share in total population
- Population ageing often in the context of high population growth, expanding labor force, and high unemployment/ underemployment

Policy challenges

- Essentially unlimited supply of labor (Sir Arthur Lewis, etc.), can undermine capital accumulation, technological progress and productivity increase
- Yet, technological progress and productivity increase are essential for fighting poverty and raising income
- Trade-off between full employment and productivity?

HICs – not typical programme countries



MICs and LICs – focus countries

- **Digital training of youth and women:**

- **Kenya:** The “Ajira Digital Programme” trains youth in online freelance work and digital entrepreneurship.
- **Tunisia:** The “Ylab” platform enables young people to co-create digital public services with local governments
- **Rwanda:** The “Women in Innovation (WIN)” initiative supports female entrepreneurs with digital training, funding, and mentorship to launch tech-based startups.
- **Brazil:** The “Rede Mulher Empreendedora” provides women with access to e-commerce platforms, coding bootcamps, and business acceleration.
- **India:** The “She Codes” initiative trains young women in under-resourced communities in software development and AI.

- **System-wide incentives for automation:**

- **Thailand:** Board of Investment (BOI) uses both fiscal and non-fiscal incentives (holidays, duty exemptions, streamlined visas/work permits), to encourage automation and productivity upgrades (including robotics) across manufacturing within their Eastern Development Corridor.
- **No examples about system wide, integrated support,**