Global Perspectives of Silver Economy Development

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All opinions expressed à titre personnel
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Overview

1. Economy
2. Society
3. Technology
4. Policy
Economy
Falling in the Gap?
More on economic analysis

Health technology for elderly can be costly!

For Europe, Finland may be a warning about the intractable political problems that lie ahead. Its population is ageing faster than any other European country, although Germany and Italy will have bigger peaks of older people later on this century. The lesson from Finland may be that trying to make health and elderly care costs sustainable involves the types of political choices few governments are willing to make, raising questions about long-term economic growth and the health of public finances for increasingly cash-strapped governments across Europe.

Society
Pulling Apart?
Society

- Very old age group is growing and is most costly
- Intergenerational solidarity
- Re/designing cities for living together
- Attitudes to immigration and emigration
- Changing perceptions of ageing
Technology
Can it fill the demographic ageing gap?
• Autonomous driving – AI, electric
• Daily living support - robotics
• Self-quantification – personal devices
• Intelligent assistants – AI
• Deep connectivity – IoT, networks
• Augmented living – VR/AR
• X – quantum computing
Al for seniors

Science for Social Good
AI, cloud and deep science for societal challenges (IBM)

Living longer and healthier

EU Tobi project

Picture sources: Babylon, EU Tobi project, EU DALI project, http://deathisobsolete.com/
AI, Data, IoT, Longevity – the dark side

Graph 2.7 – Who is best placed to take advantage of the next generation of internet technologies?

Many thorny policy-technology questions on privacy, security, platforms, e-inclusion, democratizing and humanizing AI, ...

EU High-Level Group Ethical Guidelines for Trustworthy AI (9 April 2019)
• Ethical guidance: respect autonomy, prevent harm, fair, explicable, attention to vulnerable people, risk management
• Implementation guidance: for development, deployment, use; research; communication, participation, continuous assessment
Policy
Is demographic ageing a political priority?

European Parliament elections 2019
In 2018, in the EU, the top issues are:
- Immigration
- Terrorism
- Economic situation
- EU countries public finances
- Unemployment

Demographic time-bomb: Fink sends a warning to Europe!
Financial Times, 3.4.19

life expectancy starts declining!!

Top challenges 2019 (McArthur @ WEF):
1. re-couple overall economic progress with gains in living standards
2. de-couple economic progress from environmental degradation
3. end marginalization so that absolutely no one gets left behind

GLOBAL TRENDS TO 2030
To reduce the projected 2% increase in European spending on age-related issues by 2030, we need to not only reform our pension system, but perhaps more importantly, achieve healthy ageing.

Sources: WEF, Financial Times, Eurobarometer/Politico, European Commission (ECFIN), ESPAS
Other Global Trends

• Immigration – can it fill the demography gap? In Europe:
  • By 2070 working age population shortfall is 40 million on 520 million
  • Old-age dependency ratio from 29.6% in 2016 to 51.2% in 2070

• Security – from persons to inter-state, from ransomware to fake news
  • going ever more digital feels going vulnerable ever more
  • geopolitics takes much time

• Climate – may affect elderly most
  • especially in cities
  • yet it is young people who take to the streets

Sources: European Commission (ECFIN)
Europe is a world leader in quality of life.

Deepening Connections for Better Policy
Some research questions

• Economic unsustainability: ↑ cost of ageing, doubling of dependency ratio

• Society’s changing perceptions on ageing: when are you old? Help yourself? Intergenerational solidarity, is it fair?

• Technology - Human relationships, especially for seniors

• Policy for a commons of health and ageing data in Europe

• Better policy-making
  • through experimentation eg anticipatory regulation and sandboxing*
  • understanding and assessing deeper connections eg law-technology, neurology-culture, hyper-reality, politics-technology, category theory**

* NESTA, ** Lawrence Lessig, Antonio Damasio, Jean Baudrillard/The Matrix, Alexander Grothendieck
Thank you!

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