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IMPROVING ECONOMIC POLICY

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ENGLISH only

The impact of digital on economies and societies in the OSCE region: Broadband / Future of Work

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Benefits of broadband

- A wide range of studies demonstrate that broadband makes a positive contribution to society (e.g. GDP).
- Most experts assume that if broadband is good, fast broadband must be better; however, there is considerable uncertainty as to how much broadband speed is really needed.
- There are no studies that convincingly demonstrate the incremental societal benefits of broadband speed.

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What goals? Coverage, adoption, usage

- Basic broadband **coverage** is nearly complete in many developed countries, but gaps remain in fast broadband coverage.
- Adoption of fixed and mobile broadband is high in developed countries.
 - Not everyone in every household has access to broadband.
 - Surveys suggest that lack of interest or lack of skills play a larger role than do lack of coverage or affordability.
- High speed does not necessarily lead to high usage.

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How much unemployment to expect?



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- Over time, AI, big data and machine learning might eliminate some jobs, but will also create new jobs.
- Most experts (e.g. Arntz et al, 2017) have now concluded that the actual level of unemployment to be expected as a consequence of digitalisation is nowhere near the 47% that Frey and Osborne (2017) predicted.
- Unemployment is actually *lower* today in EU regions that have seen the greatest deployment of robots and ICT.
- Meanwhile, wage polarisation is increasing.





Labour flexibility: Motivation for firms

- Firms faced the need to deal with
 - Market volatility and uncertainty;
 - Rapid technological change; and
 - The need to increase productivity.
- The firms sought to deal with this by more flexibility in
 - The number of employees and of their hours worked;
 - The skills profile of the work force; and
 - Wages and benefits provided.
- Flexibility today can provide benefits to workers as well.

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Social protection of non-traditional employees and the self-employed



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In most countries, social protection to non-traditional workers and the self-employed are limited.

- Many benefits are conditioned on eligibility periods, or on a level of contributions over a period of years.
- As workers transition among different modes of work,
 - they may be unable to meet the eligibility periods, or
 - they may not accrue enough combined benefits if time from different forms of labour are not properly aggregated

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Issues for public policy to address

- For traditional, non-traditional and the self-employed
 - Ensuring adequacy of benefits
 - Ensuring totalling up of benefits
 - Preserving benefits when the worker moves
- Avoiding misclassification of workers
- Re-thinking of social dialogue / trade unions
- Ensuring adequacy of funding
- Re-thinking education and training / lifelong learning