



Session logical flow

NEW TECHNOLOGIES FOR THE FUTURE AND SKILLS FOR DEVELOPMENT

New technologies are changing **information-decision making** and **labor-capital** interaction patterns.

Those who are ready and have the **skills** to face and ever-changing market are the ones who will generate growth and jobs. New technologies create opportunities for people and companies, but challenges for regulators and policy makers.

Information – decision making

Artificial intelligence
Big data
Blockchain
Machine learning

These technologies are disrupting the way we think of and do business. Decision making in the companies of the future will be increasingly de-humanized and automated, with human overseeing processes rather than pushing them forward.

Demand – supply patterns will increasingly rely on artificial intelligence to “anticipate” consumer needs, not only in retail, but also in the B2B realm.

Labour – capital

Platform economy
Smart manufacturing
IoT
Advanced robotics

Increased automation in manufacturing is a centuries-long trend, not a new disruption. However, smart manufacturing has now taken it to a next level, making production processes completely independent from humans.

The platform economy is also bringing automation to the service industry. This makes capital, rather than individuals, the center of the new economy

Mostly big companies, capable of sourcing capital intensive technologies and highly trained individuals, have been able to reap the benefits of these new revolutions.

How can small and medium enterprise adapt to and thrive in this new world?

Policies and business environment

Policy makers need to make sure that **capital and technologies flow to small businesses**. International cooperation with foreign SMEs could bring ideas and successful case histories of high-tech industrial clusters development: small players can thrive in clusters, seldom alone. E-government and digitalization of public services can play a crucial role in this process

Skills and human capital

Successful case histories world wide show that effective skills training takes place only through the cooperation of a wide array of actors in to a single vision and framework.

- Educational institutions
- Companies – private and public
- Trade Unions
- Consultants and service providers
- Individuals

Adaptation and flexibility are key to create jobs and foster growth

New technologies are not zero-sum, but this does not mean that there will be both winners and losers. In order to make sure society will gain, change has to be nurtured, rather than fought: but the mission shall be empowerment of individuals.