WPIA Workshop Going Digital: The Future of Industry and Jobs

Paris, 24 April 2017

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The digital transformation of economies and societies is under way....

Digital technologies have become pervasive





Automation is becoming widely deployed

Artificial Intelligence emerges as a new technological paradigm





- How does the DT change industry structure, business models and affect performance?
- Which framework conditions enable firms to compete and thrive in global and digital markets?
- What does the DT entail for jobs, skills, wage patterns and income distribution?
- How can policies facilitate the transformation of production while ensuring that the benefits accrue to companies of all sizes and citizens alike?



Organised in collaboration with the EU-funded <u>ISIgrowth</u> project. Aimed to:

- Elicit inputs from key stakeholders, including academia, policy makers and international institutions.
- Shed some light on the way in which digital technologies are transforming industry and jobs
- Gather feedback and guidance in relation to the OECD project "Going Digital - Making the Transformation work for Economy and Society".



Opening and Welcome	Andrew Wyckoff, OECD/STI Professor Giovanni Dosi Director, Institute of Economics, Scuola Superiore Sant'Anna (IT)	
Keynote speech "Understanding the digital	<u>Moderator</u> : Andrew Wyckoff, OECD Director, STI Key note: Professor Jim Bessen	CREATE JOBS
transformation"	Boston University (US)	450,000
Panel "DT: a new technological and economic paradigm"	Moderator: Dirk Pilat, OECD/STI Massimo Moggi SSSA (IT) and Partner, Seldon Group Claudia Tapia Director IPR Policy, Ericsson Mariagrazia Squicciarini, OECD/STII	400,000 350,000 300,000 250,000 100,000 50,000 100,

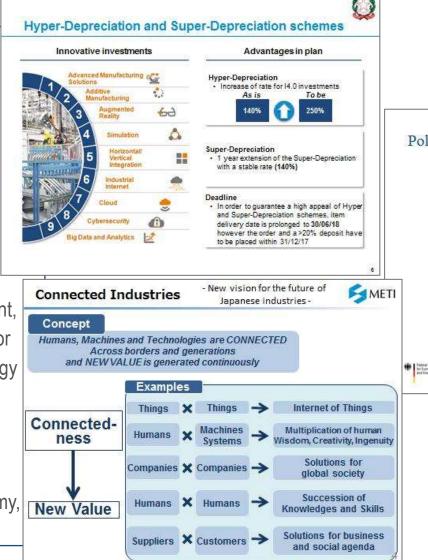
Panel "Industry 4.0: goals, policy instruments, challenges and outcomes"

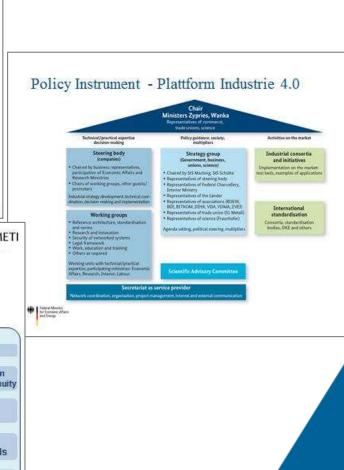
Moderator: Dirk Pilat, OECD/STI

Stefano Firpo Director General, Italian Ministry of Economic Development (MISE)

Markus Heß Deputy Director General, Industrial Policy Department, German Federal Ministry for Economic Affairs and Energy

Fumikazu Sato Deputy Director-General, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry





Going Digital: a foresight exercise

Moderator: Duncan Cass-Beggs, OECD/SGE, Strategic Foresight The world in 2030:

- The geopolitical setting
- Workers' perspective: Jobs and labour market platforms
- Firms' perspective: the digitally intermediated mesh economy (DIME)

- Industry 5.0: AI, 3D printing and logistics.



What If? A Foresight Exercise

Scenario 1: A World of Virtual Workers

The year is 2030 and, in a surprising development, most work is now coordinated via online labour market platforms or "agencies" that connect workers with consumers and employers.

These agencies help employers divide their workload needs into different tasks that can then be either automated or tasked out to workers with the right expertise.

Highly engaging online virtual reality workspaces and remote-controlled robotics mean that most work can now be performed virtually, from anywhere in the world.

These developments have exposed workers to new opportunities – but also direct competition – on a global scale.

Panel "Jobs, skills, automation and the digital transformation: what future?"

ECONOMICS ->>> + Thear Science #

Guy Michaels (LSE)

OECD Workshop, April 2017

