Artificial Intelligence: Overview of European Commission actions

Policy Seminar on Artificial Intelligence

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Artificial Intelligence: policy landscape

Artificial Intelligence is at the top of the policy agendas around the globe:

- World Economic Forum Summit – Jan 2017
- OECD report: The Next Production Revolution – May 2017
- G7 Ministerial on Industry and ICT – Sept 2017
- National Initiatives on AI: USA, Japan, China, UK, Germany, France...
- European Council - Oct 2017
Artificial Intelligence: policy dialogue

Key outcomes:

✓ Major technology with far-reaching impact on our economies and societies, but a lot is still unknown.

✓ Big Promises: AI could contribute up to EUR 13.3 trillion to the global economy by 2030 ...and is still at a very early stage of development.

✓ Opening up multiple possibilities for industrial transformation and entrepreneurship.

✓ Multi-stakeholder, market driven approach: human at the centre of AI

✓ Close monitoring of AI applications and the effects on competitiveness, productivity and jobs, but...

✓ No early commitment on regulation at this stage.
Artificial Intelligence: opportunities and challenges for industrial transformation

1. Monitor the deployment of AI

- DTM - Digital Transformation Monitor: measuring the development and uptake of AI applications by European Industries and SMEs
- Market-driven multi-stakeholders approach:
  - High-Level Policy Seminar on AI
  - European Industry Day 22-23 February 2018
- New action on AI Opportunities and challenges for Industrial Transformation and SMEs: the objective is to
  - identify an optimal mix of policy measures at European level (regulatory, business, financial, etc.)
  - create a favourable framework for the development and uptake of AI applications by European SMEs
Artificial Intelligence: opportunities and challenges for industrial transformation

- Take stock of previous and on-going work to assess emerging policy developments in the field of AI
- Monitor and analyse emerging applications of AI and foresee potential disruptions and opportunities in specific sectors:
  - energy and resource efficiency;
  - connected and automated driving; drones;
  - healthcare;
  - value chain optimisation;
  - education; etc.
- Identify policy measures that could help industry and businesses benefit from AI while mitigating its risks
- Facilitate and accelerate important investments to encourage SMEs to embrace AI technologies. E.g. by designing suitable financial mechanisms and funds.
- Raise awareness
Artificial Intelligence: opportunities and challenges for industrial transformation

2. Common regulatory framework

✓ Existing EU safety rules and standards undergoing evaluation:
  ✓ Machinery Directive
  ✓ Radio Equipment Directive
  ✓ Product Liability Directive
  ✓ Standards

3. Investments on AI applications

✓ European Fund for Strategic Investments: EUR 225 billion investments approved so far; 450,000 SMEs involved;
✓ ESCALAR: European VC Fund of Funds
✓ Smart Specialisation Platform on Industrial Modernisation
Artificial Intelligence: opportunities and challenges for industrial transformation

4. Access to technologies and skills

- The Digital Cities Challenge: 15 cities coached by word-class talents, many more join in on own resources: Call open until 24 January.
- Big Data for SMEs: fair access to in-vehicle data; EU unified data sets for diabetes
- Advanced Manufacturing Support Centre for SMEs
- Skills for Smart Industrial Specialisation and Digital Transformation
- Blueprint for Sectoral Cooperation on Skills: Pilot implementation in:
  - Automotive; Defence; Space; Maritime technologies
  - Tourism; Textile, clothing, footwear and leather
  - Additional sectors in 2018: construction, steel, paper industry, renewable energy and green technologies, additive manufacturing, and maritime shipping
Thank you!

Further reading & contact:

Digital transformation of industry and enterprises: http://ec.europa.eu/growth/industry/digital-transformation_en

http://ec.europa.eu/DocsRoom/documents/18503

Skills for Industry: http://ec.europa.eu/growth/industry/policy/skills_en


Blueprint for sectoral cooperation on skills: http://europa.eu/!gc96YU