



Slovakia

AI Strategy

Where Are We Now and What's Next?

Mgr. Jana Novohradská, MSc.,

Ministry of Investments, Regional Development and
Informatization of the Slovak Republic



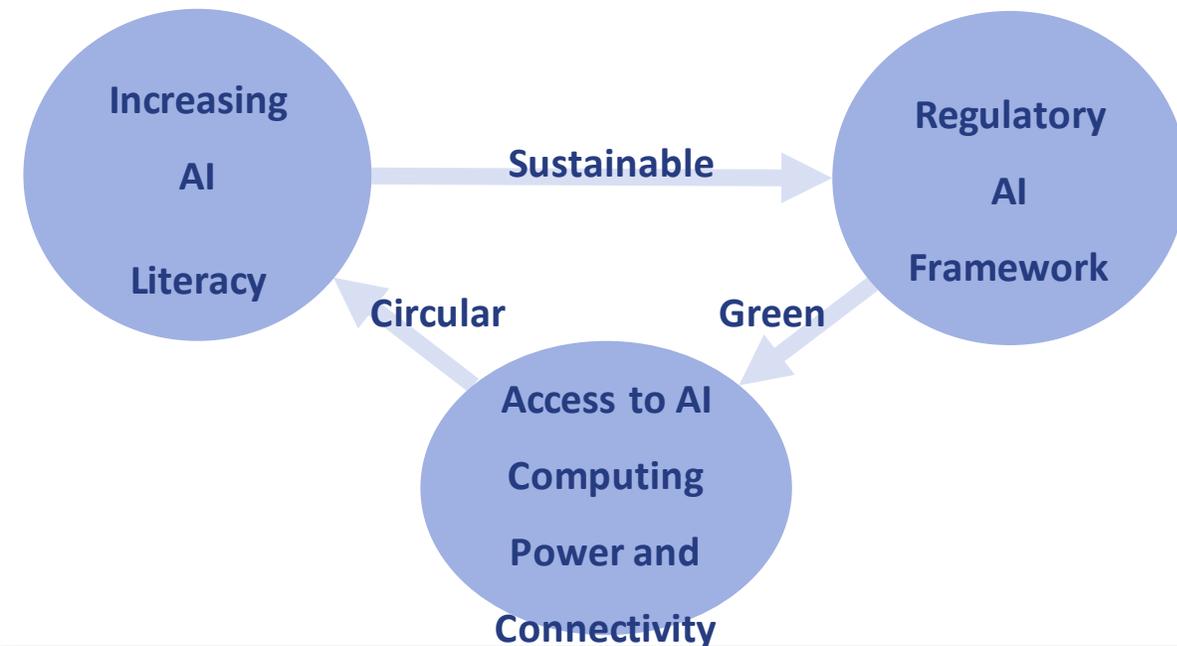
Webinar, National AI Strategies in Europe
22nd June 2021

How is Europe Shaping Excellence and Trust in AI?

The Role of Public Sector in the Growing AI Ecosystem

Excellent and Trustworthy AI Ecosystem

Role of Public Sector



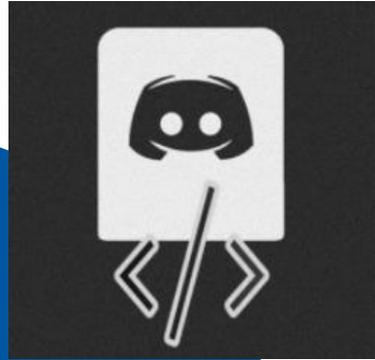
Slovakia includes its AI policies into a broader digitalisation strategy. To ensure effective AI policy implementation MIRRI was appointed to coordinate AI initiatives across government.

MIRRI is being advised by a newly appointed Committee for ethics and regulation of AI.

Slovakia includes AI policies into a broader long-term digitalisation strategy adopted in July 2019 - [Strategy of the Digital Transformation of Slovakia 2030](#) (Slovakia, 2019b).

Slovakia also has concrete steps to start building sustainable, human-centric, and trustworthy AI ecosystem in an adjacent [Action plan for the digital transformation of Slovakia for 2019–2022](#) (Slovakia, 2019a).

Increasing AI Literacy



Public sector aims to reform the current education system to include AI education in line with current and forthcoming needs of both public and private sectors.

- Life long learning to train employees for new professional requirements, including algorithmic thinking, creativity and problem solving
- The Ministry of Education introduces a programme to digitalise the education until 2030
- The Ministry of Education and MIRRI are setting up an expert group to coordinate educational activities on AI
- POC intergovernmental webinars and in-house trainings to exchange growing expertise and create a digital repository of accumulated knowledge
- multistakeholder platforms such as kinit.sk, [Slovak.ai](https://slovak.ai)
- the MIRRI collaborates with Ministry of Economy and the IT Association of Slovakia to create a network of Digital Innovation Hubs

STEM, Digital and AI Literacy for Schools

Gender Equality In AI - Women Represent Majority of EU Population

First European Girls and Women in ICT Day



Only 17% of ICT specialists are women. The same ratio for STEM graduates is 34%.

Young girls lose interest in STEM subjects at high school age. Slovakian data show that 79% of girls aged 14-17 exclude any further STEM studies from their future for the following reasons:

- Gender stereotypes
- Internal barriers : lack of self confidence, negotiation techniques, risk averse attitude
- External barriers: AI sector is dominated by men, lack of real life accessible role models difficulties arising from finding a balance between personal and professional life



Regulatory AI Framework

- The development of a legal framework for data: the MIRRI - new Act on Data to better define regulations on data protection, disclosure principles, data access and open data regulations;
- A revision of the regulatory environment for AI: an advisory group consisting of experts from academia, businesses and governmental institutions will be set up to provide dedicated recommendations on the need to revise the current legislation, in particular on issues such as data management, cyber security and intellectual property;
- The MIRRI coordinates national work across ministries and bodies within public sector in response to the newly published proposal for AI legal framework by European Commission



Access to AI Computing Power and Connectivity

- Creating an Institute for trustworthy data to provide open access to high value databases from the public administration after controlling validity, constancy and credibility of the data;
- The MIRRI will provide public administration with analytical tools for data management. So, the public administration will receive user-friendly SQL and machine learning tools for data simulations, visualisations and statistical calculations to facilitate policy making. With this help, end-users in the public sector can run data analytics without technical issues on data management;
- Setting up a Personal Information Management System (PIMS), a centralised data repository with data collected by the public administration about citizens. The PIMS will comply with data protection and data sharing regulations by allowing citizens to give their consent on these issues;
- The Ministry of Environment is setting up a **platform for sharing harmonised spatial data** in compliance with the INSPIRE directive.

The boost to digital and telecommunication industry

- Setting up a national high-performance computing competence centre, and participating to the European [EuroHPC](#) that pools European resources to develop supercomputers;
- Supporting the completion of a gigabit fibre infrastructure and the 5G for Europe Action Plan. Both initiatives aim to increase internet connectivity and achieve the goals of the EU gigabit society.