European Innovation Scoreboard 2023
Country profile Lithuania

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The European Innovation Scoreboard report and annexes, and the indicators database are available at:
Lithuania is a Moderate Innovator with performance at 83.8% of the EU average. Performance is below the average of the Moderate Innovators. Performance is increasing at a rate higher than that of the EU (8.5% points). The country’s performance gap to the EU is becoming smaller.

Relative strengths
- Population with tertiary education
- Job-to-job mobility of HRST
- Non-R&D Innovation expenditures
- Trademark applications
- Innovative SMEs collaborating with others

Relative weaknesses
- Government support for business R&D
- Foreign doctorate students
- R&D expenditure in the business sector
- PCT patent applications
- Knowledge-intensive services exports

Strong increases since 2016
- Job-to-job mobility of HRST
- Trademark applications
- Venture capital expenditures

Strong decreases since 2016
- R&D expenditures in the public sector
- Environment-related technologies
- Doctorate graduates

Strong increases since 2022
- Non-R&D Innovation expenditures
- Innovation expenditures per employee
- Employed ICT specialists

Strong decreases since 2022
- Foreign doctorate students
- Environment-related technologies
- Public-private co-publications

The second column shows performance relative to that of the EU in 2023. Colours next to the column show matching colour codes: dark green: above 125% of the performance of the EU in 2023; light green: between 100% and 125%; light orange: between 70% and 100%; dark orange: below 70%. The next columns show performance change over time between 2016 and 2023 and between 2022 and 2023, with scores relative to those of the EU in 2016. Positive (negative) performance changes are shown in green (red).
The graph on the left shows the evolution of innovation performance over time against the performance of the country in 2016. Innovation performance did not change between 2016 and 2018 and then started to increase, leading to a 23% performance increase in 2023.

The graphs below show the evolution of innovation performance in the different innovation dimensions against the performance of the country in 2016. Performance increased most strongly for Research systems, Innovators, Linkages, Intellectual assets and Sales impacts. Performance declined for Human resources and Environmental sustainability.

Structural differences with the EU are shown below:

- Lithuania has lower per capita income and a slower growing economy. Manufacturing and business services take up the same share of the economy, as the EU, with SMEs accounting for a larger share of turnover.
- Entrepreneurial Activity, and FDI net inflows add positively to the innovation climate, Enterprise births, Top R&D spenders, and Buyer sophistication add negatively.
- Lithuania has higher shares of In-house product innovators with market novelties and Non-innovators without disposition to innovate.
- Entrepreneurial training is above the EU, while government procurement is below the EU as drivers of research and innovation.
- Lithuania’s performance on climate change indicators is poor, with below-average results in recycling, greenhouse gas emission reduction, and environmental innovation.

Performance is measured relative to that of the country in 2016 (+100).
This report provides the Country profile from the 2023 European Innovation Scoreboard for Lithuania.

Studies and reports