

research and development in estonia

research and innovation

Estonia has a **broad, innovative and diverse** research landscape. Research is primarily carried out by universities, other public and private sector education and research institutions. Currently, the Research and Development and Innovation Strategy 2014-2020 **“Knowledge-based Estonia”** is being implemented.



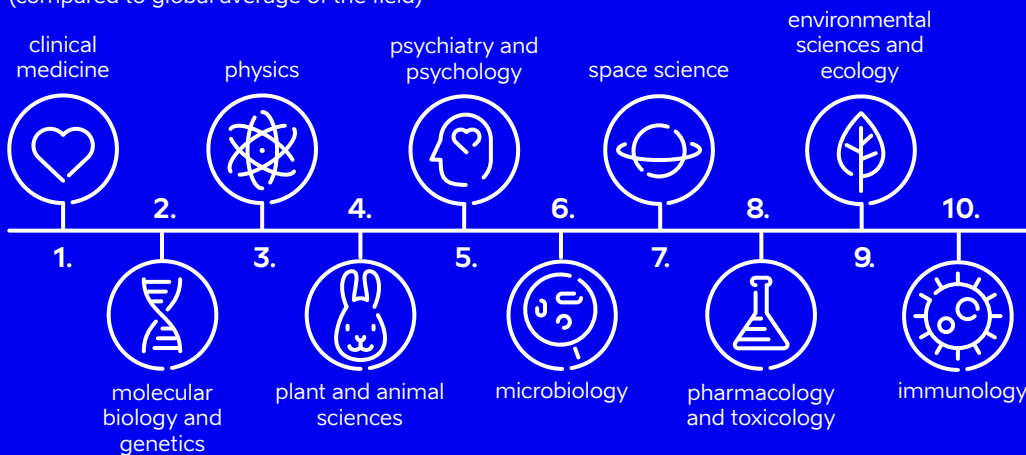
DID YOU KNOW?

- **Starship Technologies** in cooperation with **Tallinn University of Technology** developed a **package delivery robot**, which has been tested in more than hundred cities all over the world.
- Global Cleantech 100 club member and European Space Agency's supplier **Skeleton Technologies** is European market leader in **ultra-capacitor-based energy storage** that was created by **University of Tartu** scientists.

scientific publications and citations

The high quality of Estonian research and researchers is also visible in **research output**.

The 10 most cited fields according to WoS (InCites) in 2009-2019:
(compared to global average of the field)



for the publications published in **2009-2016** by Estonian authors

9.99% reached the **10% of the world's most cited publications**

this places Estonia **#13** in the EU*

*according to European Innovation Scoreboard 2019

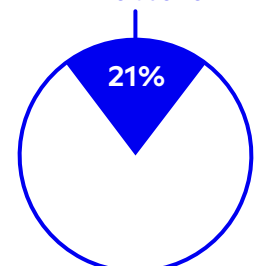
education

According to **OECD PISA** test results, in **2015** Estonian students performed the best out of all European countries in **science, reading and mathematics**, while securing a spot in the **TOP 3** on the global scale alongside **Singapore** and **Japan**.

tertiary educational attainment



international PhD students



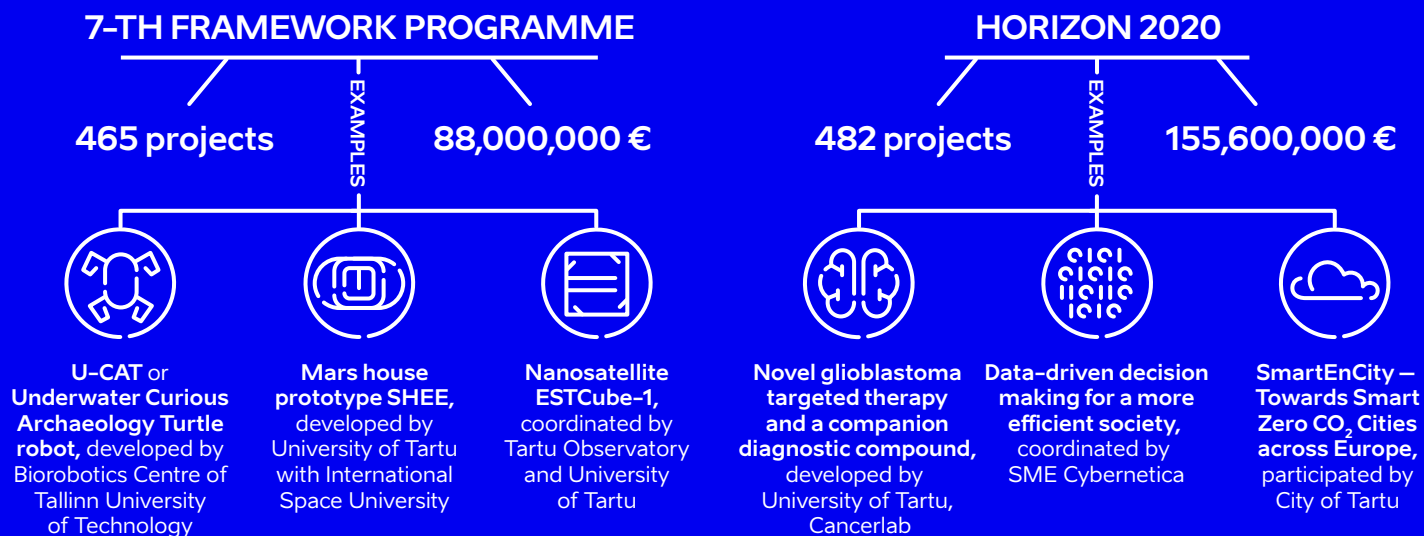
PhD students in Estonia in 2018/19

international cooperation

MORE THAN 2/3

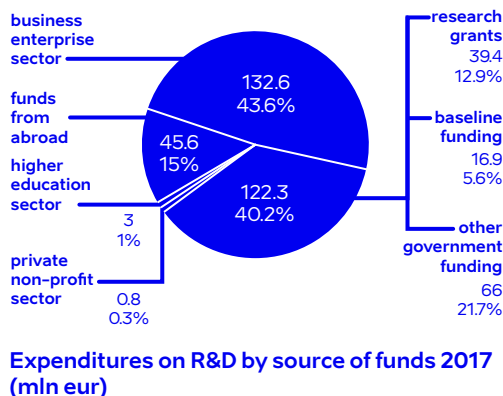
of the publications by Estonian researchers have been published in collaboration with foreign colleagues.

Being highly valued partners in the international cooperation projects they are actively participating in **European Organization for Nuclear Research (CERN)**, **European Space Agency**, **European Social Survey**, **European Spallation Source** and other various science and R&D projects.

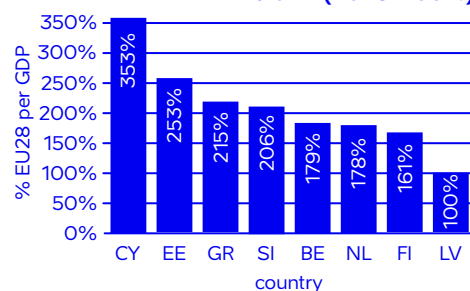


funding

Research in Estonia is primarily financed on the basis of **quality competition**. Financing comes mainly from the **state budget**; but also from **companies, foreign funds** (mainly the EU's Framework Programme for Research and Innovation Horizon 2020), and other **EU initiatives**. Estonian Research Council (ETAg) is the main body responsible for the funding of **R&D**, **supports researchers' mobility and external cooperation** offering various segment of grants.



EU financial contribution for participants from a country in relation to GDP (EU28=100%)



smart specialisation

R&D funding is focused on programs that are developing:

ICT

- start-ups
- cyber security
- robotics
- smart textiles

HEALTH TECH

- personal medicine
- digital prescriptions
- genetics research
- e-Health

EFFECTIVE USE OF RESOURCES

- materials science and industry
- innovative construction
- healthy and functional food
- chemical industry

more information



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