

Research Barometer

Research and innovation have a long tradition in Austria

Inventions from Austria, from the circuit board and battery to the turbine and sewing machine, have decisively shaped the world of science and technology. This innovative strength continues unabated. Austria ranks sixth in the European Innovation Scoreboard, leading the group of "strong innovators". Austria is even rated first for intellectual property. No other country registers as many patents, trademarks, and designs in relation to its GDP.

€ 500 million

... is the amount being invested by Novartis by 2025 to build two new cell culture plants to manufacture biopharmaceuticals in Austria.

<https://investinaustria.at/en/blog/novartis-invests-about-eur-500-million-in-its-austrian-facilities/>

Biopharmaceuticals are highly innovative medicines, manufactured in a complicated process, which open up new therapeutic options for a wide range of diseases. They are used when classic medications and therapies reach their limits.



3 new Ludwig Boltzmann Institutes were set up



Work is carried out in a partnership between research and application-oriented organisations. The three new institutes in Vienna and Salzburg will offer scientists the necessary freedom in the future to conduct outstanding research in the fields of science communication and pandemic prevention, nanovesicular precision medicine and network medicine.

<https://lbg.ac.at/news/lbg-und-bmbwf-praesentieren-drei-neue-ludwig-boltzmann-institute-im-bereich-health-science/?lang=en>

€ 4.9 billion

for the research and innovation location

... could be invested in business-oriented research and the broadband infrastructure in Austria in 2023 with the support of the Austrian Research Promotion Agency (FFG). The record amount of € 103 million was invested in startups, scaleups and spin-offs, with a focus on deep tech, green tech and life sciences.

<https://www.ffg.at/presse/ffg-beeindruckende-jahresbilanz-zum-20-jaehrigen-bestehen>

€ 31 million

for "high-risk research"

... is being invested in five "highly innovative and somewhat risky ideas" within the context of the "Emerging Fields" research programme of the Austrian Science Fund (FWF). This will advance basic research at the highest scientific level e.g., in the fields of tumour therapies, evolutionary research and brain research.

<https://www.fwf.ac.at/en/news/detail/emerging-fields-highly-innovative-research-projects-with-revolutionary-potential>



Humans and Machines

The St. Pölten University of Applied Sciences opened its Josef Ressel Center for Knowledge-Assisted Visual Analytics for Industrial Manufacturing Data (Industrial Data Lab). It strives to optimise the interface between humans and machines to gain meaningful results from industrial manufacturing and production data more effectively and efficiently.

https://www.fhnstp.ac.at/en/newsroom/news/new-centre-industrial-data-lab?set_language=en

World's first high resolution brain from a 3D printer

In a joint project between the Medical University of Vienna and the Vienna University of Technology, the world's first 3D-printed „brain phantom“ has been developed, modelled on the structure of brain fibres. These brain models can be used to advance research into neurodegenerative diseases such as Alzheimer's, Parkinson's and multiple sclerosis.

<https://www.meduniwien.ac.at/web/en/about-us/news/2024/news-in-march-2024/worlds-first-high-resolution-brain-developed-by-3d-printer/>

The ABA Research Barometer of the Austrian Business Agency (ABA) provides an overview of current issues and projects in Austria as a research location.

For further information:

<https://investinaustria.at/en/why-austria/research-location/>