

Research Barometer

Research and innovation have a long tradition in Austria

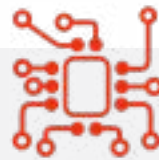
Inventions from Austria, from the circuit board and battery to the turbine and sewing machine, have decisively shaped the world of science and technology. This innovative strength continues unabated. Austria ranks sixth in the European Innovation Scoreboard, leading the group of "strong innovators".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

€ 588 million

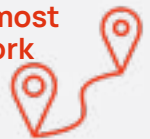
...is the amount that semiconductor manufacturer ams-Osram is investing in the development and production of future generations of microchips in Styria by 2023.

<https://ams-osram.com/news/press-releases/expand-production-and-chip-technologies-in-styria-by-2030-european-chips-act>

The focus is on microchips for medical technology, industry and consumer handhelds.



Austria is the 11th most popular place to work worldwide



One of the main reasons for the excellent ranking is the high quality of life. Austria improved by four places compared to the last survey.

<https://www.bcg.com/publications/2024/dream-destinations-and-talent-mobility-trends>

€ 16.6 billion

for research and development

...will be spent in Austria this year, according to a recent estimate by Statistics Austria. Most recently, the research ratio in Austria - after Belgium and Sweden - was the third highest in the EU.

<https://www.statistik.at/fileadmin/announcement/2024/04/20240424FuEGlobalschaetzung2024EN.pdf>

€ 70 million

for basic AI research

...are available for a new project led by Sepp Hochreiter, AI pioneer at the Johannes Kepler University Linz, which brings together the most important Austrian scientists in the field of artificial intelligence and aims to develop a so-called 'Broad AI'. This should offer significantly better problem-solving capabilities than ChatGPT, for example.

<https://www.jku.at/en/linz-institute-of-technology/news-events/news/detail/news/bilaterale-ki-projekt-unter-leitung-der-jku-erhaelt-fwf-cluster-of-excellence/>

Breakthrough: Atomic Nucleus Excited with Laser

The 'thorium transition', which has been sought after for decades, has been selectively excited with lasers for the first time by a research team led by Prof Thorsten Schumm from TU Wien. This paves the way for completely new precision technologies, including the atomic clock.



<https://www.tuwien.at/en/tu-wien/news/news-articles/news/lange-erhoelter-durchbruch-erstmal-atomkern-mit-laser-angeregt>

ESA opens space hub in Austria

The European Space Agency ESA is planning twelve centres of excellence in Europe where technical prototypes will be developed. Austria is kicking things off with its unique 'Phi-Lab Austria' concept. The focus will be on new materials, innovative components or propulsion systems in the context of rocket, spacecraft and satellite development.

https://www.esa.int/About_Us/Corporate_news/ESA_opens_ideas_factory_to_boost_space_innovation_in_Austria

The ABA Research Barometer 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/>