

Media Information
April 2018, 26th

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Data and Facts

The Tyrol as a center for technological innovation

Background

- 746,153 Inhabitants (January 2017); Source: Statistics Austria
- 1 of 9 provinces of Austria, located in Western Austria
- 12,648 km² total area
- 1,503 km² area of settlement absolute resp. 11.89 %, Source: Statistics Austria, GAW
- 18 km² of fully completed and well equipped business- and industrial area, Source: Location Agency Tirol
- Economic centers in immediate vicinity: Bolzano - 100 km, Milan - 400 km, Munich - 100 km, Vienna - 400 km, Zurich - 200 km
- Economic structure: highest due on net product with the production of real assets, followed by trade service and tourism
- Technology centers in nearly all districts located in: Reutte, Landeck, Innsbruck, Schwaz, Kufstein, Hochfilzen and Lienz

Economic Data

- 43,776 companies are members of Tyrol Economic Chamber; Source: Austrian Economic Chamber
- 2,766 new company foundations in 2016; Source: Austrian Economic Chamber
- Occupation rate 2016 up 1.8 % on the previous year; Source: Statistics Austria , UniCredit Bank Austria Economics & Market Analysis Austria

- 377,400 employed persons in 2016; Source: Austrian Economic Chamber
- € 30,800 million regional gross value in 2015; Source: Statistics Austria
- Gross regional product per capita in 2015:
€ 42,000 (cp. Austrian average € 39,400); Source: Austrian Economic Chamber
- Growth of Gross Domestic Product (GDP) 2017 (prognosis): 2.4 % in Tirol, highest growth among Austria's nine federal states together with Vorarlberg; cp. Austria 1.8 %; Source: UniCredit Bank Austria AG
- Export quota 2016 (prognosis): 37.9 %; Source: Statistics Austria , UniCredit Bank Austria Economics & Market Analysis Austria
- Overnight Stays: 47.5 million in 2016; this is over 30 % of all overnight stays in Austria.

Research and Development (R&D) Data

- Research rate or expenditures on R&D as percentage of GDP in 2015:
3.14 % (cp. Austria 3.02%; cp. EU-28 2.03%); Source: Statistics Austria
- Change in research expenditure from 2013 - 2015:
R&D-expenditures in total: + 7 %
R&D-expenditures from the company sector: + 7 %
- Total expenditures on R&D in Tirol during 2015:
€ 975 million – 9.3 % of Austria's expenditures; Source: Statistics Austria
- Company expenditures on R&D in Tirol during 2015:
€ 619 million – 8.33 % of Austria's expenditures by the business enterprise sector
- Expenditures on R&D in Tirol per capita 2015:
€ 1,325; third position behind Vienna and Styria; Source: Statistics Austria
- Financing of R&D-expenditures in Tirol during 2015:
company sector 48.9 % (€ 477 million), public sector 38 % (€ 371 million), foreign countries including international organisations 11.2 % (€ 109.6 million), European Union 1.3 % (€ 12.4 million), private non-commercial sector 0.5 % (€ 5 million)
- Austrian Federal research financing per capita in Tirol during 2015:
€ 392.9 – third highest amount per capita among nine Austrian federal states; Source: Statistics Austria
- Tyrolean Government research financing per capita in Tirol during 2015:
€ 49.2 – second highest amount per capita among nine Austrian federal states; Source: Statistics Austria
- Company research financing per capita in Tirol during 2015:
€ 648 – third highest amount per capita among nine Austrian federal states; Source: Statistics Austria

- R&D-employees (Full Time Equivalents) in total in Tirol in 2015: **5,724**; + 4.6 % compared to 2013
- R&D-employees (Persons) in the company Sector in Tirol 2015: **4,646**; + 4.6% compared to 2013
- **146** issued patents and utility models by IPC in year 2016; Source: Austrian Patent Office, GAW.

R&D Bodies

Universities

- University Innsbruck
- Medical University Innsbruck
- UMIT, private university for health sciences, medical informatic and technics
- Management Center Innsbruck (MCI)
- University of Applied Sciences Kufstein
- University of Applied Sciences (Health), Innsbruck

Special university and non-university research facilities - selected

- ADSI, Austrian Drug Screening Institute, Austrian Academy of Sciences
- CMBI, Center for Molecular Biosciences Innsbruck
- Core Facility: NanoLab Material Sciences, University Innsbruck
- Institute of quantum optics and quantum information, Austrian Academy of Sciences
- Institute of Mountain Research: Human and Environment, Austrian Academy of Sciences
- Material Center Tyrol, University Innsbruck
- Tyrolean Cancer Research Institute

Joint research: Industry – Public (University)

Christian Doppler Laboratories:

- Christian Doppler-Labor for Iron metabolism and anemia research (Partners: Medical University Innsbruck; AOP Orphan Pharmaceuticals AG)
- Christian Doppler Labor for Viral Immunotherapy of Cancer (Partners: Medical University Innsbruck; Boehringer Ingelheim Pharma GmbH)

- Christian Doppler Labor I-CARE for Cancer Immunotherapy with Pharmacological NR2F6 Inhibitor (Partners: Medical University Innsbruck; Daiichi Sankyo Co. Ltd)
- Christian Doppler Labor für Mucosal Immunology (Partners: Medical University Innsbruck; AbbVie GmbH)
- Christian Doppler Laboratory for Insulin Resistance (Partners: Medical University Innsbruck; MSD Merck Sharp & Dohme GmbH)
- Christian Doppler Labor für invasive Pilzinfektionen (Partner: Medizinische Universität Innsbruck; Fritz Egger GesmbH & Co OG, Gilead Sciences GesmbH)
- Christian Doppler Laboratory for Application-oriented Improvement of the mixture of binding material and production of cement (Partners: University Innsbruck, Unit of Material Technology, Faculty of Civil Engineering; Schretter & Cie GmbH & Co KG; Doka Industrie GmbH; Fibre C Austria GmbH)

International Centers of Excellence:

- ACIB – Austrian Centre of Industrial Biotechnology (Federal promotional program COMET, participation in K2-Center)
- K2-MPPE (Material technology; Federal promotional program COMET, participation in K2-Center)
- K1-MET (Process metallurgy, Federal promotional program COMET, participation in K1-Center)
- K1 LEC EvoLET (Gas and dual fuel large engines, Federal promotional program COMET, participation in K1-Center)
- VASCage (Aging research related to diseases of the blood vessels, Federal promotional program COMET, COMET-project)
- WoodCAR (Wood for Automotive Applications, participation in COMET-project)
- TCCV Textile Competence Centre Vorarlberg (COMET, led by University Innsbruck, Research Institute of Textile Chemistry and Textile Physics, COMET-Projekt)
- JOIN (Joining of metallic materials, Federal promotional program COMET, participation in COMET-Project)

Selected Regional Centers of Excellence (Subsidy in context of the country programme K-Regio or common framework of the Tyrol future foundation)

- EFRE K-Regio Faenomenal (Further development of an innovative technology for surface coating to provide coated objects with bioactive or microbial properties)
- EFRE K-Regio Optimierte Keramik (Development of new applications for technical ceramics with simulation of new material properties based on multi-scale modelling)
- EFRE K-Regio eVita (Development of electrodes for the optimization of prostheses to stimulate the organ of balance in the inner ear)

- EFRE K-Regio SolarHydrogen (Development of a more efficient and cost-effective process for producing hydrogen as an energy carrier)
- Textiles (Materials research for sports, leisure and health sector, supra-regional corporate subsidy through the countries Tyrol and Vorarlberg)
- K-Regio Innovative Tube Design ((Research and development for the use of novel fiber composites in new products, especially for the automotive industry)
- K-Regio MitoFit ((Further development of an approved laboratory device for measuring the mitochondrial respiration into a medical device for routine use)
- K-Regio VAMEL (Development of a hearing implant eligible to compensate symptoms of a failing vestibular organ)
- K-Regio PowerBox² (Research on use of various biomass waste material for production of renewable energy by thermic gasification in small, decentralized power plants)

Project Management Interdisciplinary Group Research

- CEMIT – Center of Excellence in Medicine and IT

Accelerators of technology transfer

- Gründungszentrum Start Up Tirol GmbH (Federal aid program *AplusB* Scale Up)
- Transferstelle Wissenschaft – Development- and Transfercenter University of Innsbruck

Business

Clusters – critical success factor interconnectedness

- Cluster Renewable Energies Tirol

Members	58
Employees	7,530
Annual Turnover (million €)	3,652
- Cluster IT Tirol

Members	89
Employees	2,334
Annual Turnover (million €)	292
- Cluster Life Sciences Tirol

Members	44
Employees	13,511
Annual Turnover (million €)	2,535
- Cluster Mechatronics Tirol

Members	77
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Employees	11,088
Annual Turnover (million €)	3,592
▪ Cluster Wellness Tirol	
Members	108
Employees	7,709
Annual Turnover (million €)	456
▪ Timbercluster Tirol	
Members	124
Employees	6,750
Annual Turnover (million €)	1,530

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