

Media Information

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Data and Facts

Tirol as a center for technological innovation

Background

- 715.888 Inhabitants; Source: Statistics Austria, GAW, 2013
- 1 of 9 provinces of Austria, located in Western Austria
- 12,640 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

- 39.609 companies in 2012; Source: Wirtschaftskammer Tirol
- 2.359 company foundations in 2014; Source: Wirtschaftskammer Tirol
- Occupation rate 2013 up 2 % on the previous year (highest growth in Austria)
- 325.355 employees in the first quarter of 2015 (cp. 320.886 in first quarter 2014); Source: HVSV, GAW
- Unemployment rate (international definition) in 2014:
3,2 % in Tirol – lowest value in Austria; Source: Eurostat, April 28th, 2015

- € 28.761 million regional gross value in 2013; Source: Statistics Austria
- Gross regional product per capita in 2013:
€ 40.000 (cp. Austrian average € 34.051); Source: Statistics Austria
- Firm real growth of Gross Domestic Product (GDP) 2014:
1,2 % in Tirol, second highest growth among Austria's nine federal states; cp. Austria 0,3 %;
Source: Federal States Analysis, UniCredit Bank Austria AG
- Overnight Stays: 444.416.730 in 2014; this is 34 % of all overnight stays in Austria.

Research and Development (R&D) Data

- Research rate or expenditures on R&D as percentage of GDP in 2011:
2,77 %; third place in Austria right behind Styria and Vienna (cp. Western Austria 2,32%, cp. Austria 2,77%); Source: Statistics Austria.
- Change in research expenditure from 2009 - 2011:
R&D-expenditures in total: + 6,7 %
R&D-expenditures from the company sector: + 9 %
- Total expenditures on R&D in Tirol during 2011:
€ 729 million – 8,8 % of Austria's expenditures; fourth position behind federal states Vienna, Styria and Upper-Austria; Source: Statistics Austria
- Company expenditures on R&D in Tirol during 2011:
€ 416 million – 7,3 % of Austria's expenditures by the business enterprise sector
- Expenditures on R&D in Tirol per capita 2011:
€ 1.030; third position behind Vienna and Styria; Source: Statistics Austria
- Financing of R&D-expenditures in Tirol during 2011:
Public Sector 44,5 % (€ 324,1 million), company sector 41,5 % (€ 302,5 million), foreign countries including international organisations and European Union 13,4 % (€ 97,4 million), private non-commercial sector 0,7 % (€ 4,7 million)
- Austrian Federal research spending in Tirol during 2011:
€ 251,8 million – 11,4 % of Austria's share; third highest part nationwide (behind federal states Vienna 49,3 % and Styria 18,5 %); Source: Statistics Austria
- R&D-employees (Full Time Equivalent) in total in Tirol in 2011:
5.019,4 people; + 10% compared to 2009
- R&D-employees (Full Time Equivalent) in the company Sector in Tirol 2011:
2.987 people; + 17% compared to 2009
- Record level: 123 issued patents and utility models by IPC in year 2012 (see 2011: 87); source:
Austrian Patent Office, GAW.

R&D in Detail

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

- CMBI, Center for Molecular Biosciences Innsbruck
- ADSI, Austrian Drug Screening Institute, Austrian Academy of Sciences
- Institute of quantum optics and quantum information, Austrian Academy of Sciences
- Institute of Mountain Research: Human and Environment, Austrian Academy of Sciences

Joint research: Industry – Public (University)

International Centers of Excellence or Christian Doppler Laboratories:

- Oncotyrol, cancer research – personalized therapies (Federal promotional program COMET, K1-Center)
- alpS – Centre for Climate Change Adaptation Technologies (Federal promotional program COMET, K1-Center)
- 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, K-Project)

- AAHM-R2P – Alpine Airborne Hydromapping – Research to Practice (airborne survey of water bodies, Federal promotional program COMET, K-Project)
- JOIN (Joining of metallic materials, Federal promotional program COMET, participation in K-Project)
- ECO-COOL (fully electronically regulated cooling circuits for highly efficient household refrigerating appliances, Federal promotional program COMET, participation in K-Project)
- focus_sts (cross laminated timber: systems development for solid timber construction and optimisations on product and respectively whose production; Federal promotional program COMET, participation in K-Project)
- 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)
- Christian Doppler Laboratory for Gut Inflammation (Partners: Medical University Innsbruck; MSD Merck Sharp & Dohme GmbH; Abbott GmbH)
- Christian Doppler Laboratory for Insulin Resistance (Partners: Medical University Innsbruck; MSD Merck Sharp & Dohme GmbH)

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

- Textiles (Materials research for sports, leisure and health sector, supra-regional corporate subsidy through the countries Tyrol and Vorarlberg)
- 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)
- K-Regio Skiing Technology (Development of innovative machinery processing edges and coatings of winter sports devices)
- K-Regio Hyperbare Infrarotkabine (Development of an overpressure cabin combining low temperature- and infrared technologies for healthcare-purposes)
- K-Regio enerChange (Development of a modular construction system of mechatronical, mechanical and IT-supported components for initiating in electromobility and in the peripheral energy storage)
- K-Regio Innovative Wood Protection (Development of a system engineering for the forecast and advancement of the fire resistance of wood and derived timber products)

- K-Regio Diagnostic Pedal Cardio (Development of an ergometer, which allows cardiological and whole-body-liability of patients in a magnetic resonance imaging machine)
- K-Regio MitoCom (Development of a laboratory equipment measuring mitochondrial respiration, both with respirometry and fluorometry)
- K-Regio KryoTipkatheter (Development of a cyrotechnology-system for therapy of most common type of cardiac arrhythmia by shock freezing the atrial fibrillation)
- K-Regio Pro Solar (Development of flexible, high efficient Thin-Layer-Solar-Cell for application to cars and for implementation in buildings)
- K-Regio BioTreaT (Improvement of recycling of liquid manure and other organic waste for production of renewable energy)

Project Management Interdisciplinary Group Research

- CEMIT – Center of Excellence in Medicine and IT

Accelerators of technology transfer

- CAST – Center for Academic Spin-offs Tirol (Federal aid program *AplusB*)
- transidee – Development- and Transfercenter University of Innsbruck

Business

Clusters – critical success factor interconnectedness

- Cluster Renewable Energies Tirol

Members	58
Employees	7,200
Annual Turnover (million €)	2,847
- Cluster Information Technologies Tirol

Members	77
Employees	2,171
Annual Turnover (million €)	285
- Cluster Life Sciences Tirol

Members	41
Employees	13,483
Annual Turnover (million €)	2,537
- Cluster Mechatronics Tirol

Members	65
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Employees	10,422
Annual Turnover (million €)	3,622
▪ Cluster Wellness Tirol	
Members	110
Employees	5,200
Annual Turnover (million €)	539
▪ Timbercluster Tirol	
Members	112
Employees	6,300
Annual Turnover (million €)	1,370

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