

Media Information
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Data and Facts

Tirol as a center for technological innovation

- **Background**

- 706.873 Inhabitants
- 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

- **Rankings**

- 3rd position of Bank Austria`s location study within Austria`s nine federal provinces (2008: 6th place)
- 3rd position of the Management Club "Standortradar" within Austria`s nine federal provinces

- **Economic Data**

- 37.916 companies in 2010; Source: Wirtschaftskammer Tirol
- 2.465 company foundations in 2010; Source: Wirtschaftskammer Tirol
- 305.527 employees; Source: HVSV, GAW
- Unemployment rate (international definition) in 2010:
2,8 % in Tirol – lowest value in Austria (cp. Austrian average 4,4 %)
Source: Statistics Austria
- € 22,4 billion gross value in 2008; Source: Statistics Austria
- Increase gross value from 1995 – 2008:
72,4 % - Highest increase within Austria's 9 federal provinces (cp.
Austrian average 62,2 %)
- Gross regional product per inhabitant in 2008:
€ 35.200 (cp. Austrian average € 34.000); Source: Statistics Austria
- Increase of the Gross Regional Product (nominal) from 1995 to 2008:
59,3 % in Tirol, cp. Austrian average 55,5 %; Source: Statistics Austria
- Job increase 2008:
+ 2,7 % in Tirol (+ 7.985 jobs in Tirol), cp. Austria + 2,3 %; Source:
Public Employment Service Austria, Statistics Austria
- Job increase 2000 – 2008:
+ 54.000 employees, highest increase within Austria's nine federal
provinces in total
- Real growth of Gross Domestic Product (GDP) 2010:
2,4 % in Tirol, cp. Austria 2,6 %; Source: WIFO, monthly report 05/2011

- **Research and Development (R&D) Data**

- Change in research expenditure from 2007 – 2009:
 - R&D-expenditures in total: + 19,1 %
 - R&D-expenditures from the company sector: + 15 %
 - R&D-expenditures from the Regional Government Authority

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- Total expenditures on R&D in Tirol during 2009:
€ 683,1 million – 9,3 % of Austria's expenditures; fourth position behind provinces Vienna, Styria and Upper-Austria; Source: Statistics Austria
- Expenditures on R&D in Tirol per head 2009:
€ 969; third position behind Vienna and Styria; Source: Statistics Austria
- Federal research spending in Tirol during 2009:
€ 236,8 million – 12,1 % of Austria's share; third highest part nationwide (behind provinces Vienna 50,6 % and Styria 18,2 %); Source: Statistics Austria
- Expenditures on R&D of the Federal Government in Tirol per head 2009:
€ 336; second position behind Vienna (€ 586,5), Source: Statistics Austria
- Rural research spending during 2009:
€ 29,1 million; fourth position in Austria behind province Lower Austria (€ 33 million); Source: Statistics Austria
- Expenditures on R&D in Tirol during 2009 financed by the business enterprise sector:
€ 305 million – 8,7 % of Austria's expenditures by the business enterprise sector resp. 45 % of the total R&D-expenditures in Tirol; Source: Statistics Austria
- Expenditures on R&D in Tirol per head financed by the business sector in 2009: € 432,9; fourth position within Austria's 9 federal provinces, behind Upper-Austria, Vienna and Vorarlberg (€ 435); Source: Statistics Austria
- Expenditures on R&D as percentage of GDP in 2007:
Tirol 2,4 %, cp. Western Austria 2,06 %, cp. Austria 2,54 %; fifth place in Austria right behind industrialized province Upper-Austria with 2,42 %; Source Statistics Austria

- **R&D in Detail**

- University**

- 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 Innsbruck

Non-university research facilities

- CMBI, Center for Molecular Biosciences Innsbruck
- ADSI, Austrian Drug Screening Institute, Austrian Academy of Sciences
- Ludwig-Boltzmann-Institute for Aids Research
- Institute of Biomedical Aging Research, 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)
- K1-MET (process metallurgy, Federal promotional program COMET, participation in K1-Center)
- K-Project Sports Textiles (Innovative Sports Textiles, Federal promotional program COMET, K-Project)
- K-Light (Energy Efficient Lightning, Federal promotional program COMET, participation in K-Project)
- Christian Doppler Laboratory for Active Implantable Systems (Partners: University Innsbruck, Institute of Applied Physics; MED-EL Medical Electronics)
- Christian Doppler Laboratory for Gut Inflammation (Partners: Medical University Innsbruck; MSD Merck Sharp & Dohme GmbH; Abbott GmbH)
- 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)

Regional Centers of Excellence:

- 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 Cardiospect (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 PowerBox (Use of waste material for production of renewable energy by thermic gasification in small, decentralized power plants)
- 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)
- K-Regio Alpine Sport Technologies: Gliding on ice and snow (Developing the prototyp of an ice run in lightweight construction; developing an innovative device analyzing the dynamic friction of winter sports equipment)

Project Management Interdisciplinary Group Research

- CEMIT – Center of Excellence in Medicine and IT

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 65
 - Employees 8,195
 - Annual Turnover (million €, 2009) 3,418
- Cluster Information Technologies Tirol
 - Members 81
 - Employees 1,854
 - Annual Turnover (million €, 2009) 499
- Cluster Life Sciences Tirol
 - Members 40
 - Employees 23,657
 - Annual Turnover (million €, 2009) 4,791
- Cluster Mechatronics Tirol
 - Members 60
 - Employees 5,643
 - Annual Turnover (million €, 2009) 2,865
- Cluster Wellness Tirol
 - Members 100
 - Employees 5,272
 - Annual Turnover (million €, 2009) 407
- Timbercluster Tirol
 - Members 93
 - Employees 4,700
 - Annual Turnover (million €, 2008) 1,230

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