



Jugend Innovativ the competition for bright minds

Austria Wirtschaftsservice Gesellschaft mbH
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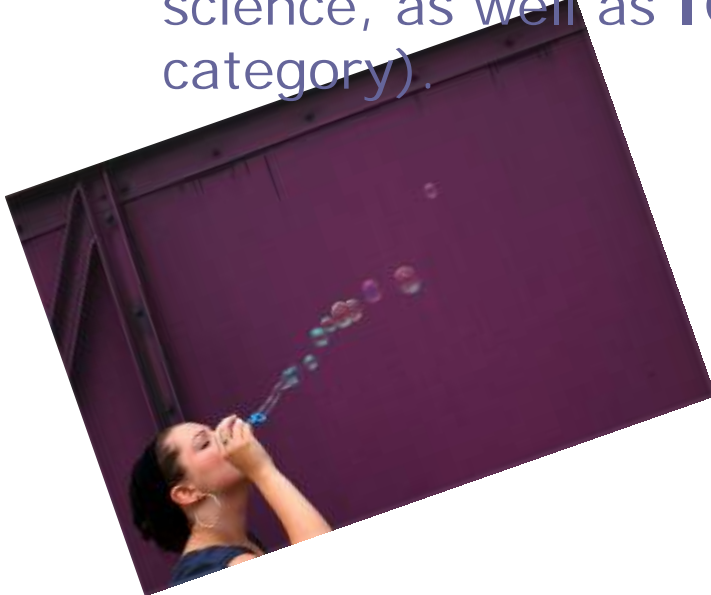
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Organisation

Jugend Innovativ

Thanks to dedicated teachers who motivate and support their students during project work, Jugend Innovativ has become the largest competition covering the whole of Austria for innovative ideas in business, design, engineering and science, as well as **ICT** and **climate protection** (new category).



Aims of the competition

Jugend Innovativ is designed to ...

- bring to light students' excellent ideas and award prizes for exceptional effort
- motivate young talent in promoting their own ideas
- make the public aware of the creativity and innovation potential of Austria's schools

Who can take part?

- **young people** aged between 15 and 20
- **from all types of school** (academic secondary schools, technical and vocational middle and upper schools, technical and vocational colleges)
- who are in the **10th year of school** or the **2nd year of an apprenticeship** at the time of entering the competition

Which themes can be submitted?

- free choice of project theme
- any topics have to fit into the following **categories**:
 - **Business**
 - **Design**
 - **Engineering**
 - **Science**
 - **ICT**
 - **Climate protection**
- work on the project must take place during the school year

BUSINESS category

Projects in the business category may involve original **business ideas, enterprise and marketing concepts** and the identification of **(market) opportunities for products and services** etc. and projects in the tourism and non-profit sectors (social projects).



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DESIGN category

Projects in the design category may involve creative activities concerning real or virtual objects, professional services or a brand. These include **product and industrial design, furniture and fashion design, interior design** and **interactive design** in combination with technology, but not purely multimedia projects.



ENGINEERING category

Projects in the engineering category may stem from any of the engineering disciplines. These include products, processes or draft applications in **mechanical, mechatronics, electronic, building and wood technology, environmental, construction, materials technology, food/nutrition technology, agriculture or forestry**



SCIENCE category

Projects in the science category may involve new ideas concerning current scientific issues. These include **theoretical and experimental work in physics, chemistry, biology and mathematics** as well as work in the fields of **arts and social sciences** that deal with socio-political issues.



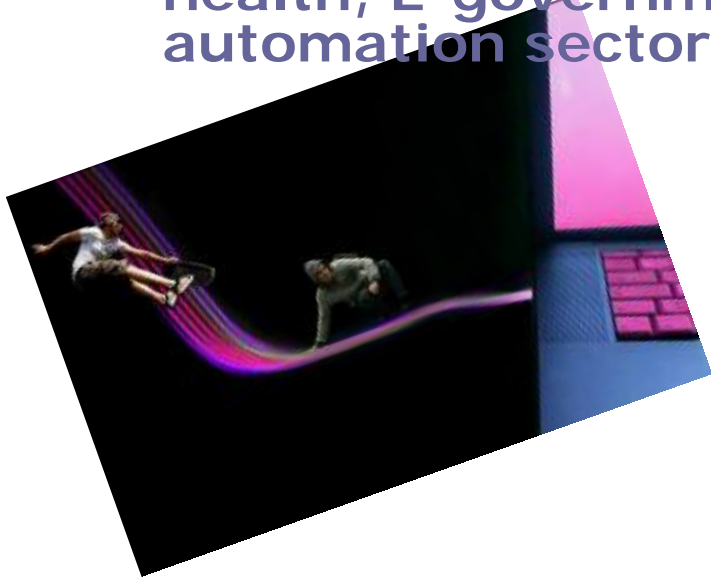
Special prize for climate protection

Projects in this category may involve technical solutions or measures to generate energy efficiently while saving resources - through to **awareness promotion activities, innovative sustainability concepts, climate protection, energy efficiency** and project ideas related to building & renovation, energy & fuels - and measures that can be implemented within a business.



Special ICT Prize

Projects in the **ICT** category involve new ideas relating to this rapidly evolving hi-tech industry. These include innovative concepts for current issues such as **mobility, business intelligence, locations-based solutions and services**, etc. as well as project ideas that can be applied in the **E-health, E-government, Green IT or process automation sectors**.

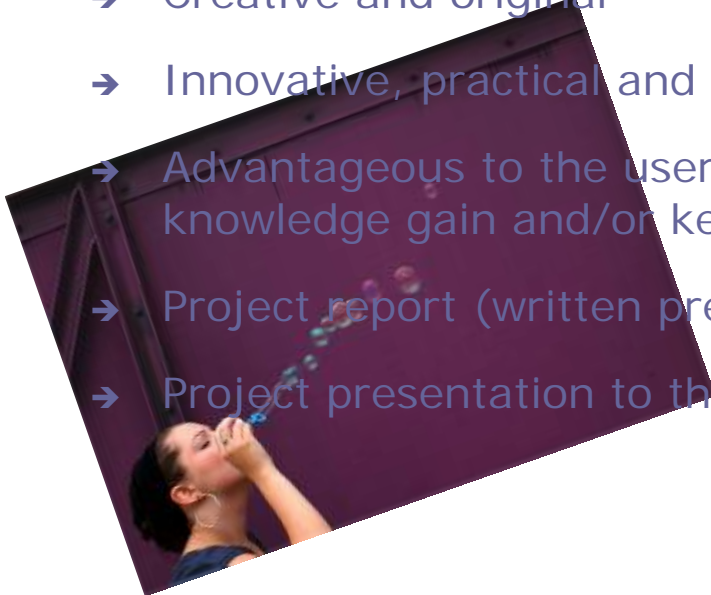


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Why enter the competition? Project Grants & Selection Criteria

Jugend Innovativ provides **PROJECT GRANTS** up to **EUR 500.- for each project** registered that meets the following criteria:

- Creative and original
- Innovative, practical and feasible
- Advantageous to the user, the community and the environment through knowledge gain and/or key benefits
- Project report (written presentation of the results)
- Project presentation to the jury (finalists only)



How does the competition run?

- **Announcement** from 1st October every year
- **Online registration** by 23rd December
- Information on **project grants** in January (max. EUR 500,-)
- Submit **project report** by 4th March 09
- **Decision** by jury & **regional events** end of April 09 (best projects in each province invited to regional events and nomination of final projects from all over Austria to national final event 09)
- National **Final Event** in May 09 in Vienna

The Jury

- Wolfram Anderle, aws
- Dr. Wolfgang Dietl, aws
- Mag. Anneliese Ecker, bmukk
- Mag. Barry John Hewson, New Design University
- Mag. Doris Kölbl, bmukk
- Dr. Milan Kosicek, BMWA
- Mag. Kurt Leutgeb, aws



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The Jury

- Mag. Sabine Matzinger, BMWA
- DI Adolf Mehlmauer, Austrian Patent Office
- Dr. Christian Monyk, Austrian Research Centers
- Prof. DI Dr. Fritz Paschke, Technical University
- Sabine Seymour, Designer
- Dr. Elisabeth Stiller-Erdpresser, Siemens Business Services



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The Final Event - what finalists can expect (1)

The best **3 to 5 projects in each category** are invited to a **2-day final** in Vienna.

- Oral **presentation to the jury** and audience (on-stage, with microphone and multimedia support)
- **2-day exhibition** of the projects for the jury & visitors using trade fair stands
- **Official awards ceremony** by Austrian Minister and Secretary of State
- **Special feature:** the presentation is part of the assessment and the final results are not known until the awards ceremony

The Final Event - what finalists can expect (2)

- **Cash Prizes! EUR 22,500.-** in total for the best projects in the business, design, engineering, science & ict categories. In the climate protection category there is an extra award of **EUR 10,000.-**.
- **Travel Prizes** – to international competitions/trade fairs, e.g.:

EU- Contest for Young Scientists, 2009 Paris

INTEL, International Science and Engineering Fair, 2009 Reno/USA

London International Youth Science Forum

Expo Science International, 2009 Tunisia

Int. Wildlife Research Week & Swiss Talent Forum, 2009 Switzerland

2nd International Sustainable World Project Olympiad, Houston/Texas

IENA, int. Inventors Fair, 2009 Nürnberg/Germany

Who won in 2008?

1st place **Business** + travel prize to IENA in Nürnberg:
"**Sitzenberg Soap Factory**", HBLA Sitzenberg



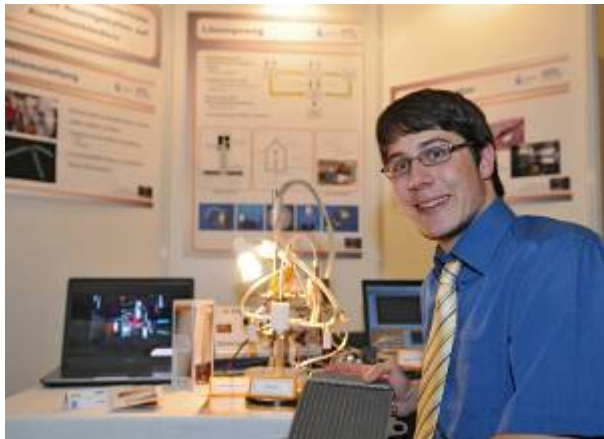
Who won in 2008?

1st place **Design** + travel prize to IENA in Nürnberg:
"Back Therapie Equipment", HTL Wiener Neustadt



Who won in 2008?

1st place **Engineering** + travel prize EU Contest for Young Scientists Copenhagen + Intel ISEF Reno, USA
"Aluminium strips take a bath", HTL Braunau



Who won in 2008?

1st place **Science** + travel prize EU Contest for Young Scientists Copenhagen
"Busy bees – nasty virus", HBLA Ursprung



Who won in 2008?

1st place **ICT** + travel prize T-Labs Berlin
"Virtual Guide - the museum navigation system",
TGM Wien



What happens next - for Jugend Innovativ winners there's no limit

Every year Jugend Innovativ gives selected winners the chance to participate in international competitions, seminars, workshops and trade fairs. One of the most significant competitions for Jugend Innovativ is the EU Contest for Young Scientists.



EU Contest for Young Scientists ... (1)

- gives students the **opportunity to compete** with the best of their contemporaries at European level
- is an initiative of the European Commission (since 1989)
 - to promote the ideals of co-operation and interchange between young scientists
 - to encourage young people to pursue their interest in science and embark on scientific careers
- is the annual showcase of the best of European student scientific achievements and as such attracts widespread media interest.

EU Contest for Young Scientists ... (2)

- participants are from **14 to 21** and representing **39 countries** across Europe - as well as Brazil, Canada, China, Mexico, New Zealand and the USA
- and **present 87 winning projects** from **national competitions** covering a wide range of scientific disciplines

EU Contest for Young Scientists ... (3)

Austrian success:

- 1st prize (EUR 5,000.-): 2006, 2004, 2001, 1998, 1993, 1991
- 2nd prize (EUR 3,000.-): 2007, 1992, 1991
- 3rd prize (EUR 1,500.-): 2007, 1995, 1989
- 16 special awards within 20 years



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International Success 2008

- INTEL Int. Science and Engineering Fair 2008 in Atlanta/USA
3rd Prize in the category chemistry
„Synthesis of a Linker Molecule for Self-Assembled Monolayers" by Philipp Zagar
- Energy Globe Award
Winner of Category YOUTH
"Salt crystals as a new energy storage technology" by HTL Braunau
- Czech Innovating Minds Award
Winner of Category Health and Quality of Life
"Hemochromatosis-recognizing it early may save lives" by HBLA Ursprung

Statistical data & success (1)

- **4,000 projects** have been submitted since 1987/88
- **expansion of participation** in the last 4 years:

2004/05: 311 projects from 1,700 students

2005/06: 280 projects from 1,300 students

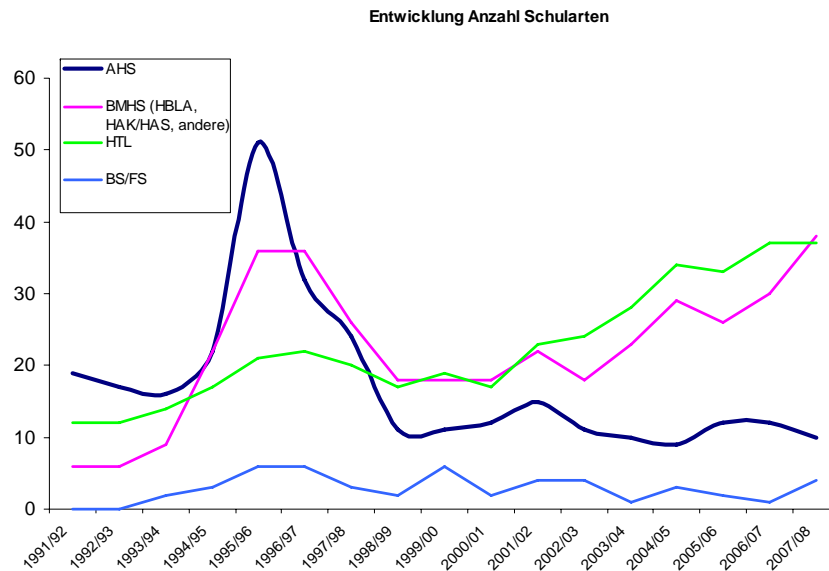
2006/07: 375 projects from 1,660 students

Record submissions

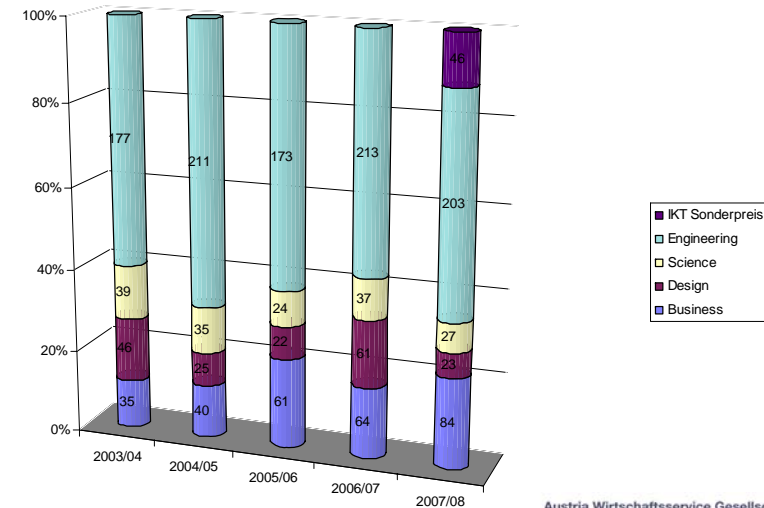
2007/08: 383 projects from 1,650 students

Statistical data & success (2)

→ participation increase of vocational schools – decrease of academic secondary schools



→ project submission according to categories, last 5 years



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Teacher support Teaching Innovation Seminar

Problem: the project method has become more professional while the level of creativity has dropped

The seminar, which has been running since 2004, covers the following:

- Mobilising creative and innovative ideas
- Encouragement, methods and techniques for project managers and coaches
- Best practice unit with Dr. Josef Wagner/HTL Braunau & JI alumnis from successful Octopus & Matura projects
- Overview of how the competition works

Questions, suggestions, information?

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