

EUROPEAN
EARLY
INNOVATORS
INIITIATIVE

Youth for science, youth for business, science for business

BEST PRACTICE IN PROMOTING STEM
- **PPP IN AUSTRIA**

2018



www.early-innovators.eu

Introduction:

This presentation of Jugend Innovativ is elaborated as a component of EEII report “STEM for Business”. The international team of EEII analyzed suitable programs in Germany, Italy and Austria. Current document shows objectives, structure and main procedures of the Austrian best practice model. Major findings will be embedded in future European Early Innovators Program.

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This is not an official document of Jugend Innovativ.

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Short description and objectives:

Jugend Innovativ (Youth Innovative) is a competition for schools with innovative ideas in business, design, engineering and science. For more than 30 years Austria's school pupils have been proving that innovative thinking is not the exclusive domain of "grown ups". Many have taken ingenious ideas and developments a step further in the form of projects that are then presented to the public as part of the Jugend Innovativ competition, proving the level of creative and innovative potential harboured in Austria's schools.

Organized in a centralized way, the annual Jugend Innovativ school competition is hosted by Austria Wirtschaftsservice Ges.m.b.H. (aws) on behalf of the Austrian Ministry for Economics and Labour (BMWA) and the Ministry for Education, Science and Culture. The competition is driven by the conviction that young people represent a significant resource for innovation in Austria that needs to be promoted.

Short history:







In 1987, at a time when project teaching and interdisciplinary work was still a foreign concept in many schools, the innovation agency, as the predecessor of today's Austria Wirtschaftsservice, together with the Pedagogical Institute of Vienna, started a school trial on practical teaching. The aim was to reduce the fear of contact with new technologies and project work in schools. Eight Viennese AHS participated in the interdisciplinary classes. In the following year, the pilot attempt went into series production with great success. 60 projects (at that time mostly from AHS!) were submitted from all over Austria.

Statistics:

So far, around 9,100 project teams have taken part in the competition. The range of projects presented in the last 32 years within the framework of Jugend Innovativ is huge and ranges from innovative technological developments to exciting design concepts to innovative solutions for sustainability.

1990 - Since then, there has been a continuous upward trend in attendance with an absolute registration record of 595 projects in the 2013/14 school year.

SUBJECT AREAS

-  design
-  engineering
-  science
-  young entrepreneurs
-  sonderpreis sustainability
-  sonderpreis digital education

Age divisions:

Age:	15 – 20 years; at least in the 1st year of apprenticeship
Other conditions:	Visiting at least one of the followig schools: <ul style="list-style-type: none"> • General secondary school (AHS); • Vocational High and Middle School (BMHS); • Austrian School abroad (according to list on www.bmbwf.gv.at); • Polytechnic School (PTS); • Vocational school (BS).

Both single projects and group or class projects can participate. For each team, one student is to be announced as project coordinator in the project proposal. For the semi-final or federal final but only max. four pupils of a group are invited to the project presentation. Most international travel awards only allow projects where the project teams have a maximum of two to three people.

Levels of competition:

Calendar of the competition and specific workshops according to the category are updated yearly. In general, levels of the competition are the following:

Online project registration (November - December)	Selection of 10-15 projects/category
Jugend Innovativ on tour (April – May)	Period of max. 4 semi-finals events: awarding the best projects per category and state and announcing the jury's decision - which projects (max 35) will receive tickets for the federal finals
Youth Innovative Federal Final (June)	Oral jury presentations at the exhibition stands and project exhibition of the finalists

Contest deployment:

A. Online phase: Selection of 10-15 projects/category by experts for each category

Once the project idea is born, a responsible person must first register online. Account created on the dedicated platform is administered by project coordinator (student) or the project supervisor (teacher) or other person involved in the project.

All **projects are checked** for completeness by **Austria Wirtschaftsservice** and a first ranking is made according to the degree of fulfillment of the evaluation criteria (condition of participation).

B. Jugend Innovativ on tour (4 Semi-finals events): awards per categories and 35 tickets to Federal Final

The Jugend Innovativ team is touring Austria and as part of the four semi-final events, the "semi-final teams 2018" selected by the juries in advance will be announced. For the first time, the best projects will be presented to the public, to media and to visitors.

The highlight of the semi-final events is the presentation of "Tickets to the Federal Final" by high-ranking representatives from the ministries, the juries and the cooperation partners. In Austria, a maximum of **35 tickets will be awarded for the 32nd Federal Final 2019** .

Before the winners in the individual categories and special prize categories are determined, the max. 35 final teams personally and verbally present their project results to the members of the juries during the multi-day final in Vienna at the exhibition stand. Afterwards, the jury members will decide on the final placings and which projects will be nominated for international travel awards.

C. Federal final phase

The highlight of the final will be the official announcement of the best or most innovative projects of the competition round. The money and travel prizes will be presented in the presence of the responsible Federal Minister.

The federal finals and the project exhibition are open to the public.

On short, competition includes the following components:

Written	Practical	Oral
Description of the project	Design of the exhibition stand	Jury talk (presentation)

Prizes:

- Best projects in main categories
- Sustainability Award of the Raiffeisen Sustainability Initiative
- Special Award of the Innovation Foundation for Education (Digital Education)

consisting of the following amounts of money:

1st prize	2nd prize	3rd prize	Recognition prizes
€ 2000	€ 1500	€ 1000	€ 500/each

Additional to this, there are 2 Audience Awards of the Innovation Foundation for Education, addressing to all categories and consisting in € 1000/each.

"Tickets to the Federal Final" by high-ranking representatives from the ministries, the juries and the cooperation partners.

The money and travel prizes will be presented in the presence of the responsible Federal Minister.

Ethics conduct:

- Experiments and projects that affect animals (animal experiments) and disregard animal welfare and animal ethics aspects;

- Projects that endanger either the participants themselves or others, such as experiments with explosives, drugs or radioactive material;
- Projects or documentaries that are a mere literature compilation;
- Projects that have the mere application or programming of known user interfaces (websites, apps, ...) without reference to the categories or only the application of known software to the content;
- Projects that have no discernible personal contribution of pupils and are mainly carried out by teachers or experts.

Patents:

The Austrian Patent Office is also at the disposal of the participants and provides information on patents, trademarks and designs. In the calendar section, yearly there are workshops addressing to intellectual property rights.

No specific legal agreement addressing patents is mentioned. The department from Austria Wirtschaftsservice Ges.m.b.H. (aws) – Creative Industry and Entrepreneurship – belongs to [Entrepreneurship | Property Rights | Seedfinancing](#) trio business area.

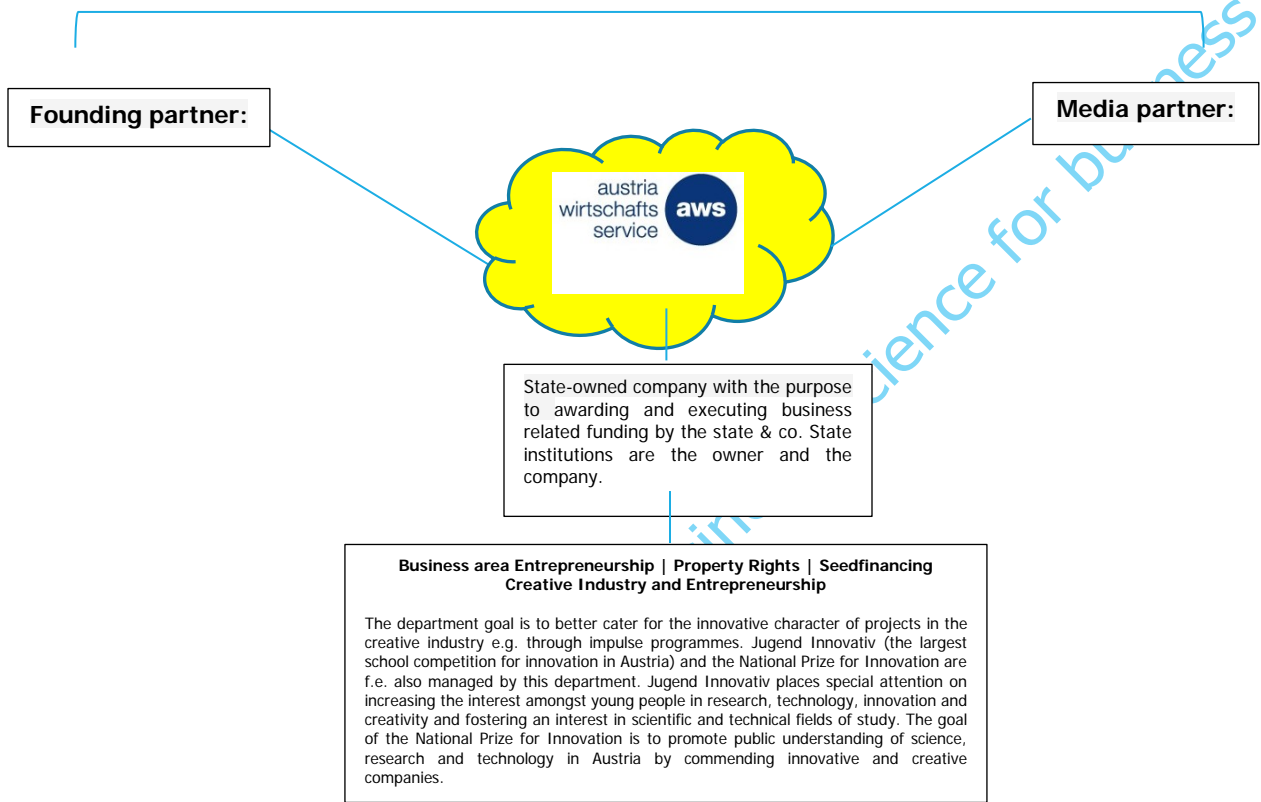
The competition is also accompanied by innovative and creativity-enhancing continuing education measures for teachers on the subjects of "teaching innovation" and "rights to the protection of work results, copyright, data security and business model development" as well as practical workshops for pupils.

Financial support:

Jugend Innovativ offers many advantages to the competitors and supports them on their way "from the idea to the realization of their project".

Youth for science, youth for business, science for business

THE NETWORK



Carrier ministries



Category Godfather



Cooperation partners



Jugend Innovativ is commissioned by the:

- Federal Ministry of digitization and business location
- Federal Ministry of Education, Science and Research of Austria
Wirtschaftsservice GmbH
- Raiffeisen Sustainability Initiative
- Innovation Foundation for Education