



Sparkling Science >

Science linking with School

School linking with Science

Research Project

01.10.2009 – 30.06.2011

My Featured Space 2025

Pupils in the Alps-Adriatic area analyze and form their future living spaces in rural regions using scientific methods

LEADING INSTITUTION

eb&p Umweltbüro GmbH, Klagenfurt
DI Dr. Daniel Bogner
daniel.bogner@umweltbuero-klagenfurt.at

SCHOOLS INVOLVED

HLFS Pitzelstätten, Carinthia
HAK Völkermarkt, Carinthia
HLW Hermagor, Carinthia
HAK/HAS Spittal a. d. Drau, Carinthia
Gimnazija Kranj, Slovenia
Gimnazija Jesenice, Slovenia
Liceo Scientifico Statale Gemona, Italy

SCIENTIFIC CO-OPERATION PARTNERS

University of Klagenfurt, Informatics Systems, Carinthia
University of Klagenfurt, Institute for Media and Communication Studies, Carinthia

PARTNERS FROM ECONOMY AND SOCIETY

Forum Regionalentwicklung Kärnten, Carinthia
Regionalmanagement Kärnten, Carinthia
Amt der Kärntner Landesregierung, Carinthia
ORF Kärnten, Carinthia
Allianz in den Alpen, Vorarlberg
K&Z Development Consulting Ltd., Radovljica, Slovenia
DI Kaspar David Nickles, Moggio Udinese, Italy



Basic Information about Sparkling Science

Sparkling Science is a research program of the Federal Ministry of Science and Research (BMWF) which started in 2007 and adopts an unconventional way in the promotion of young scientists that is unique in Europe.

The specific characteristic of the program: so far 168* projects (94 of them have already been completed) scientists work side by side with young people in current scientific research projects: Sparkling Science supports big research projects and supported from 2007 until 2010 also smaller school research projects.

In the 114 big research projects (42 have already been completed) the young colleagues take an active part and work independently on parts of the research projects. As junior colleagues they introduce important suggestions into the research approach. They collaborate in the conception and conducting of investigations, conduct polls, collect data, interpret these together with the researchers and present the results at schools, universities and even at scientific conferences.

In a second initiative within the Sparkling Science program the BMWF awarded grants to smaller projects that were submitted and conducted not by the involved research institutions, but by the schools, who designed and lead the projects themselves. In these projects, too, schoolchildren worked closely together with researchers, supporting state-of-the-art research activities and contributing to the results.

Both sides of the program is/were open to a broad thematic spectrum. Research is carried out on all sorts of different topics: from mechatronics and molecular biology to migration research, from acoustics and biometrics to literature research.

* Status quo: January 2012



One Example out of 168

My Featured Space 2025

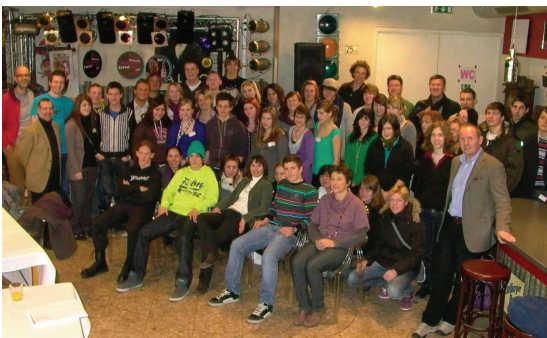
“My featured space 2025” was focussing on life quality in rural regions in the future. Together with researchers, teachers and stakeholders pupils from the Alps-Adriatic region developed scenarios for rural living spaces in 2025. The main question was, what will pupils need in the future to live and work in attractive rural regions. “My featured space” was an interdisciplinary and transdisciplinary research project.

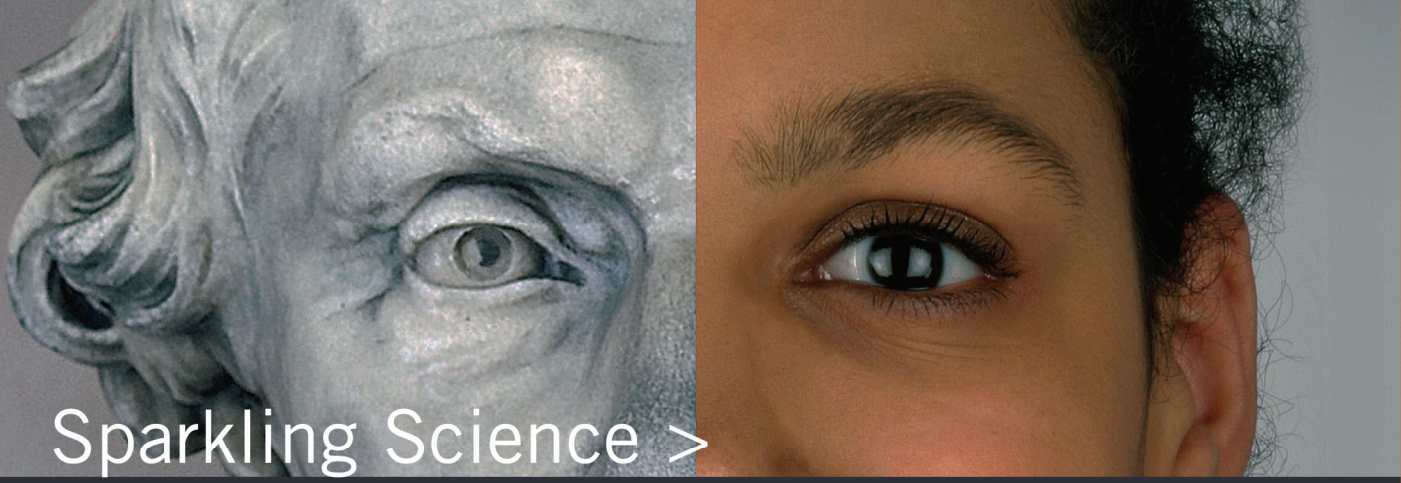
First, the pupils documented their present living space with short videos referring to the methods of qualitative social research. The pupils defined parameters for the quality of life in the rural spaces analyzing these videos. In the next step mutual effects between these parameters were described following the method of sensitivity-model by Frederic Vester. Also, the relevance and completeness of the parameters was checked.

The goal of the next step was to identify some highly active parameters in the system. Using this model, pupils developed and designed their visions of an attractive living space. They also learned to understand interactions in the complex system “rural region”.

The model was finally implemented into a computer-simulation-game “My featured space 2025”. The computer-game visualizes scenarios of attractive living spaces. Together with the Institute of Information Systems of the University of Klagenfurt the pupils developed the computer-game.

The project results were presented as final reports, dissertations, as well as project presentations for various events.





Sparkling Science >
Science linking with School
School linking with Science

oead 

www.bmwf.gv.at
www.sparklingsscience.at

BMWF^a

Austrian Federal Ministry of Science
and Research