

The launch of the publication *Teaching Science in Europe 3: what European teachers can learn from each other*

# Science on Stage: sharing teaching ideas across Europe



Image courtesy of Science on Stage Germany

Originally, Science on Stage was the brainchild of EIROforum<sup>w1</sup>, the publisher of *Science in School*. Since then, the commitment of the national organisers has enabled this network of local, national and international events for teachers to grow and grow. **Eleanor Hayes** reviews some of the latest activities.

How to demonstrate Light and shade to kindergarten and primary school children – a project by Werner Stetzenbach



## Searching for the best teachers in Europe

In April 2011, about 400 science teachers from across Europe will meet in Copenhagen, Denmark, to share ideas and inspiration in a dizzying whirl of workshops, lectures and dramatic presentations at the international Science on Stage teaching festival. The search for the lucky 400 teachers is still continuing.

In a series of national events, enthusiastic and inspiring teachers are competing to represent their countries in Copenhagen. Austria, Belgium, Canada, the Czech Republic, France, Ireland and the Slovak Republic have

Images courtesy of Science on Stage Germany

Can a sparkler burn underwater?



It takes only a few chemicals and tricks to be a magician, as stand-up chemist Joachim Hecker demonstrated at the launch of the publication *Teaching Science in Europe 3: what European teachers can learn from each other*



Why does money not burn? This and many other tricks were part of stand-up chemist Joachim Hecker's performance at the launch of the publication *Teaching Science in Europe 3: what European teachers can learn from each other*

already selected their winners. The national representatives of Bulgaria, Germany, Greece, Hungary, Italy, Malta, Poland, Portugal and Spain have yet to be selected.

To find out more, and – if it is not too late – apply to take part in your national event, visit the Science on Stage Europe website<sup>w2</sup>.

### Inspiring ideas for teachers

In 2008, the Science on Stage festival in Berlin, Germany, brought together teachers from across Europe in several discussion workshops. Over the course of two years, 55 science teachers from 12 countries continued three

of these discussions under the guidance of Science on Stage Germany. The outcome is the publication *Teaching Science in Europe 3: what European teachers can learn from each other*, divided into three sections.

1. How is a shadow cast? How are colours formed? What causes day and night? How can we tell the time from the Sun? These are just some of the investigations to encourage young children to look at the world in a new way. There is also a discussion of how science education can be used to improve not only the children's knowledge of science but also their language skills.

2. Five examples are used to illustrate the benefits of non-formal education initiatives: a science learning centre in Zurich, Switzerland; a web-based learning platform hosted by the European Space Agency<sup>w3</sup>; a travelling exhibition based in





How can I hear without using my ears?



## SCIENCE ON STAGE EUROPE



Image courtesy of Science on Stage Germany

learn more about Science on Stage and find your national contact, see the Science on Stage Europe website: [www.science-on-stage.eu](http://www.science-on-stage.eu)

w3 – To find out more about the European Space Agency, see: [www.esa.int](http://www.esa.int)

For details of the education materials produced by ESA, see the ESA Education website ([www.esa.int/education](http://www.esa.int/education)) and the ESA Human Spaceflight Education website ([www.esa.int/esaHS/education.html](http://www.esa.int/esaHS/education.html)).

w4 – To learn more about Science on Stage Germany, to download the publication *Teaching Science in Europe 3: what European teachers can learn from each other* or to find out about the teacher training on offer, visit [www.science-on-stage.de](http://www.science-on-stage.de)

### Resources

To learn more about how Science on Stage was established, see:

Hayes E (2009) Science on Stage: heading for a country near you. *Science in School* 13: 2-3. [www.scienceinschool.org/2009/issue13/sons](http://www.scienceinschool.org/2009/issue13/sons)

All previous *Science in School* articles about the Science on Stage activities can be viewed here:

[www.scienceinschool.org/sons](http://www.scienceinschool.org/sons)

Werner Stetzenbach not only contributed primary-school and kindergarten activities to the publication *Teaching Science in Europe 3: what European teachers can learn from each other* but also shared some of his other ideas with the readers of *Science in School*:

Stetzenbach W, Stetzenbach G (2010) Physics in kindergarten and primary school. *Science in School* 14: 48-53.

[www.scienceinschool.org/2010/issue14/kindergarten](http://www.scienceinschool.org/2010/issue14/kindergarten)

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Dr Eleanor Hayes is the editor-in-chief of *Science in School*. She studied zoology at the University of Oxford, UK, and completed a PhD in insect ecology. Eleanor then spent some time working in university administration before moving to Germany and into science publishing, initially for a bioinformatics company and then for a learned society. In 2005, she moved to the European Molecular Biology Laboratory to launch *Science in School*.

