

### Supporting workshop for the “Learning Science through Theater” project in Greece

Science View realized the first supporting workshop for the “Learning Science through Theater” project. The project is based on the pedagogical framework developed by CREAT-IT. The workshop was realized on Saturday, November 22 with the participation of 15 teachers who will be organizing the play in their schools. Teachers can make the play part of the curriculum of the respective lessons (Physics, Astronomy, Music, biology, Art). “Learning Science through Theater” is being organised in collaboration with the School of Philosophy, Pedagogy and Psychology of the National and Kapodistrian University of Athens, Greece.



More info: <http://lstt.weebly.com/>.

### Can science be fun? Creativity in Science Communication

Can science be fun? How can we communicate, inform or teach scientific topics in a modern, attractive and understandable way? What tools and methods can help us achieve this? Science View presented CREAT-IT and sought for answers to these questions and many more, heard the experts’ experiences and discussed with the audience in an open event that took place on Tuesday 9th of December 2014 at Ianos bookstore, Athens. More than 50 science communicators, teachers and professors, students and artists attended the science café, during which we explored how Arts can serve Science. Participating speakers were: Menelaos Sotiriou: Science View Secretary, Science Communicator, Dr. Spiros Kitsinelis: Researcher, Science Communicator, Petros Alatzas: Chemist, Director, Actor, Konstantinos Milonas: Director.

#### CREAT-IT at the 2nd Scientix Conference

Menelaos Sotiriou (Science View) presented CREAT-IT at the 2nd Scientix conference (Brussels 24-26 October 2014). Over 600 participants from 43 countries gathered to discuss innovation in STEM education practice, policy and research. The programme featured 70 talks, 14 workshops, 7 round-tables, 25 exhibition stands.

#### CREAT-IT Summer School Introducing the Creative Science Classroom Athens, Greece, 12/07 - 17/07 2015

The CREAT-IT Summer School in Athens, Greece will be a meeting point for science educators, scientists, artists, art educators, and policy-makers wishing to learn creative strategies in today’s science teaching. Summer School participants will experience three distinct but inter-related Case Studies which together provide a large picture of the promising possibilities in the field of creative science teaching. The Case Studies, Science Theatre (ST), Write a Science Opera (WASO) and Junior Science Café (JSC), will be experienced during hands-on and on-stage work. In addition, in-depth analysis of creativity in science education will take place, as well as the creation of new, original scenarios as part of a growing online network. This year’s scientific exploration will be dedicated to the theme of Cosmic Light, to coincide with the International Year of Light 2015.

<http://creatit.ea.gr/en>

### Workshops by the University of Exeter

Two workshops were conducted at The University of Winchester and The University of Exeter in November and December 2014. The workshop explored engaging performance strategies to the teaching of science-related subjects. Combining theatre and improvisation games, as well as a range of creative activities, participants were invited to discover new pedagogical tools and adapt these to their own practice.



Working with approximately 50 student teachers from two Universities, the workshop began with a presentation of the CREAT-IT method. This was followed by a practical session actively exploring theatre and performance tools (including role-play, rhythm and music games, singing and movement). The participants then applied these tools to a science topic, e.g. Animals including Humans, Plants, States of Matter, Sound, Light etc and created their own starter activity. A discussion concluded the session and the participants reflected on the pedagogical possibilities offered by this approach. Workshop Leader: Dr. Jacek Ludwig, Scarso London Metropolitan University and Chiara D’Anna, from Elastic Theatre

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## Trainings and workshops by FormaScienza

### - Science Theatre and gender issues



On 18, 19 and 20 September 2014 FormaScienza has organized in Rome the CREAT-IT workshop dedicated to the teachers who were winners of the national award for schools "Sulle vie della parità" (On the street of parity) edition 2013-2014. The participants have been trained to the science-theatre methods elaborated by FormaScienza for addressing issues of science and gender. The participants have experienced a scientific inquiry-based learning and then they have created a story linking this experience to the story of the physicist Laura Bassi, the first women of the history who has taught at the University. The storytelling was performed in the garden of Rome named after Laura Bassi.

### - Science Theatre in natural and archeological park of the Tuscia

On the September 27, 2014, a CREAT-IT workshop was organized by FormaScienza in cooperation with [Ecomuseum of Tuscia Rupestre](#) in the event "GreenCity Viterbo". During the workshop the participants have elaborated a science-storytelling scenario in the natural and archaeological (Etruscan) park in the territory of the "Tuscia".



### - CREAT-IT at SiS-RRI Conference



What is "creative thinking" in sciences? Is this thinking different from the one that supports the creative processes in other disciplines? Can it be taught? These are the issues addressed during the Science Theatre workshop which took place November 21, 2014, in Rome, during the international conference [SiS-RRI](#). The workshop, led by Cinzia Belmonte, astronomer and science pedagogist and Giovanna Conforto, storyteller and drama teacher, saw the participation of 30, among teachers, artists, researchers and experts in education and science communication, from different Italian cities and several European countries.

### - Junior Science Cafè and Modern Physics

Junior Science Cafè has been proposed as a inquiry-based method to tackle themes of modern physics. A training of 7 meetings has started on the 18th November as part of the cycle of teacher trainings "Inquiry-Based Modern Physics", a collaboration between FormaScienza, the National Institute of Nuclear Physics and the Sapienza University of Rome. Participants, who are teachers, will carry a Junior Science Cafè on the subject of modern physics in their classrooms. The final events are planned at the end of May 2015.

## WASO trainings in Norway and Scotland

A CREAT-IT -Write a Science Opera (WASO) training took place in Northern Norway in December, 2014. The opera's theme was chemistry, and specifically the relationship between protons and electrons. The training took place on two days. The first day was dedicated to working with 8th graders, while the second day focused on working with teachers from various schools in the region: <http://www.an.no/nyheter/article7722553.ece>. Another WASO workshop took place on October 18th at the [Scottish Opera in Glasgow](#) during the European Network for Opera & Dance Education (RESEO) conference "[ALL ABOARD](#)".

## Collective impact with the Opus Lux application

Opus Lux is an application for smartphones and tablets that will be used in the CREAT-IT project's dissemination event, "SkyLight - a Global Science Opera". Opus Lux enables the audience to make a collective, realtime impact at a concert -or any event- beyond mere applauding and cheering. It is done by collecting feedback from the audience and transforming it into an augmented layer that expands the concert experience. More info at <http://opus-lux.dk/>