

NEWSLETTER

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New year, new looks!

NSCF has recently attracted the attention of many new readers. In order to keep up with the spirit of our youthful and fun visitors we considered it to be just about the right time for a small dress-up! Starting from this Issue you will find some news from the wider world and also some information about the travelling exhibitions. If you have something to show, share or rent, please let us know. A lot of exciting and fun things are happening among us. Do not be shy to share your success stories with others!

Pilvi Kolk
Chairman of NSCF,
Science Centre AHHA, Estonia



Fashion photo-shooting in AHHA 2013. Photo: Andres Keil

NSCF Board 2013-2014:

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NSCF Scholarship

The NSCF Board decided to divide the original scholarship for the first time and gave out four scholarships instead of just one. The winners of the scholarship are Ms Anna Iso-Ahola from Tekniikan Museo, Finland, Ms Jaanika Loomus from Energy Discover Centre, Estonia, Ms Helin Haga from AHHA Science Centre, Estonia and Mr Rolands Blumbeks from Zinoo Science Centre, Latvia.

Congratulations to all the winners and hopefully we will read about their trips in the autumn Newsletter

Changes in NSCF Annual Fee payment

The NSCF Board has decided that the Annual participation Fee remains unchanged (270€ per year) in the year 2014. However as you noticed in the recent years the invoices have been sent out with a slight delay – the Invoice for the previous year has been sent out in the beginning of next one. This year we want to avoid the delay and therefore the invoices for the ongoing year will be sent out in late November or December. You will receive two invoices from NSCF in one year. We are sorry for the inconvenience!



Ms Julia Ofljan won the scholarship in 2011 and studied bubbletheatre in Experimentarium

Keep your contacts up to date!

As time passes many people change their positions and move forward. NSCF web-site wishes to offer only the correct information. Please take a minute and check, if the information about your Science Centre or Museum on our web-site is up-to date and the contacts are correct. Also, if your membership information has changed, let us know.

*In case of corrections, please contact:
pilvi.kolk@ahhaa.ee*

New Market Place for your exhibitions!

Most of us have exhibits or exhibitions we would like to sell or rent. One of the options is to write about them to the Newsletter. The other option is sharing this information in NSCF Facebook Market – those of you on our contact list will soon be invited to join, others interested, please contact us. This site will be for NSCF people only and you may offer a special price for NSCF members. Just take a picture, upload and add price and additional information to comments section and You can make some other centre and your financial director very happy ;)



News from members

Energy Discovery Centre is reopening!

Jaanika Loomus

Energy Discovery Centre in Estonia re-opens its unique 100 year old power plant building to the public in 13th of June this year. With the 3000 m² of exhibition area Energy centre is focused on science, physics and math and mostly targeted to children and families. In addition to us being a partner with schools and universities our exhibitions and program are based on Estonian educational system.

The renewed house presents unique historic inventory and more than 130 hands-on exhibits covering themes like electricity, lightning, renewable energy sources, nuclear energy, sounds and optics. We will start with the lightning demonstrations with Tesla coil in a Faraday cage. Energy centre also offers educational science theatre programmes, workshops and a possibility to discover space in our new virtual planetarium.

For more information check:

<http://www.energiakeskus.ee/3085>. We are already excited and you are all invited to visit us from June!

From Cesis the exhibition will be brought to Energy centre and it opens in Tallinn in May 2014. The aim of the project is to study children's motivation to learn in open learning environment.



Exhibition "From Frog to Voltmeter"

Jaanika Loomus

In Mektory displays innovation and business center, Energy centre exhibits an exhibition "From a Frog to a Voltmeter" where historical tests with electricity explain the development of modern technology.

Until June 2014 an interactive science exhibition "From Light to Electricity" in Vabaduse väljak 9 in Tallinn will also stay open. There is opportunity to discover, play and learn with fifty exhibits on magnets, electricity, sound, light and robots.



Exhibition "Discover the Art of Math!"

Jaanika Loomus

Energy centre is opening a Nordplus Horizontal funded travelling exhibition an 4Dframe workshop „Discover the Art of Math“ on 7th of February in Cesis Latvia. The exhibition has already been exhibited with great success in Innovatum Science Centre in Trollhättan, Sweden and in Tekniska Museet in Stockholm, Sweden.



News from Experimentarium

Asger Høeg

On 22 January 2014, Experimentarium closed the doors for the exhibitions for the next 2 years. In the meantime, the 17.500 M2 and 1153 years old building will be renovated and expanded to 30.000 m2 – including a large and very “active” roof.

Only 18 days later, on the 6 February 2014, the Minister of Education, Christine Antorini inaugurated Experimentarium’s temporary exhibition centre, named Experimentarium City on the island Christiansholms Ø, in the very heart of Copenhagen .

Experimentarium City covers 3.000 m2 and contains approximately 200 exhibits. In addition to the best exhibits from the Main Exhibition – called Experimentarium’s Favourites – the Experimentarium City includes the new temporary exhibition Winter Sport that is the best example of Nordic co-operation. Winter Sport’s fathers (or mothers) are four Nordic science centres: VilVite, (Bergen, Norway); Tekniska Museet, (Stockholm, Sweden); Heureka, (Vantaa, Finland) and

Experimentarium (Copenhagen, Denmark).

Experimentarium City also includes the exhibition “Invention” which was supported by the “Industriens Fond” with 14 million DKK .

Since the opening on 6 February, Experimentarium City has welcomed 18.000 visitors (until 21 February) , a little less than planned.

One of Experimentarium’s founding fathers, The Egmont Foundation, have donated 9 million DKK. to build a Centre for Experimental Learning.

The Biogen Idec Foundation – based in the USA – has donated 50.000 USD to conduct reach activities in the form of Experimentarium’s Road Shows to the Northern Zealand, where the Danish branch of Biogen Idec is placed.

Experimentarium is now working on the new temporary exhibition, Ulands Ludo – an exhibition about living in the third World compared to Nordic life style. Ulands Ludo is going to open at Universe (former Danfoss Universe) on the Als island in the South of Denmark at 11 April 2014.



News from members

AHHAA's Science Camps are the best in Estonia!

Kai Kaljumäe

Recently, Science Centre AHHAA's Science Camps were named the best museum education project in Estonia. Organised since 2012, the Science Camps have become an inseparable part of the centre's programme for school holidays.

also get to explore those sides of the science centre that remain unseen to ordinary visitors. For instance, they can check out how new exhibits are being built.

Another important part of the Science Camps are numerous trips to museums, research centres and factories in Tartu. And of course, the Science Camps are never complete without adventurous seeking games and the final project, where small scientists must join their forces to complete the tasks successfully. Together, they have created a brand new science theatre show, built a weather station and a chain reaction machine.

AHHAA's next Science Camp, "You, Me, Us!" takes place in March. This time, young science enthusiasts get to know more about human senses and



The award-winning camps offer young science enthusiasts a great opportunity to put their knowledge to practice. In addition to participating in exciting workshops and science theatre shows, and having fun with the exhibits the campers



Photos by Kristina Kravets

News from members

Okolariet

Ole Due

Okolariet in Denmark has three different exhibitions to offer for rent. Our exhibitions and teaching methods are always relevant in the social context. We have a local, regional, national and international angle on all the various topics that we deal with.

A Space odyssey

Exhibition about history of spacetravel of all time and the most recent discoveries and studies on space.

40-80 square meters.



Animals at War

Exhibition on animal special abilities that can be used at military service. From live animals to roots and drones!

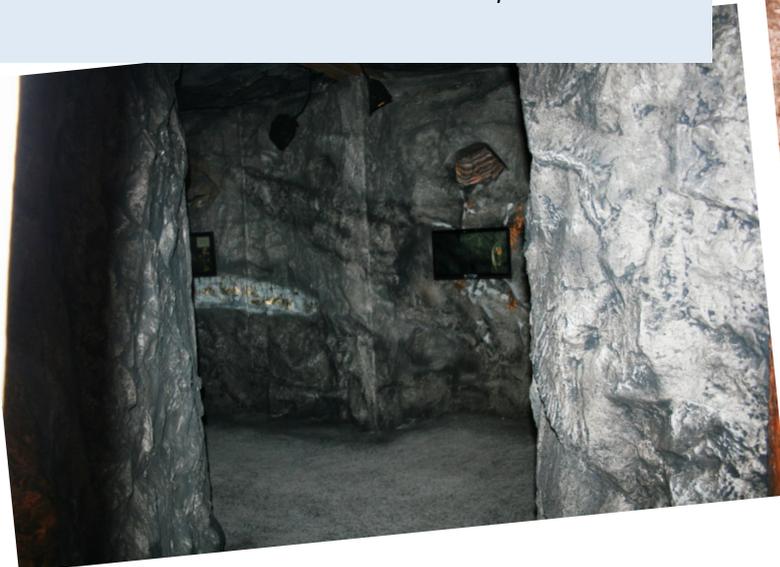
70-100 square meters.



The hunt for the worlds natural resources

Exhibition about metals, minerals and energy. Who makes the greatest progress and can we recycle our resources?

50-80 square meters.



Contact: oledu@vejle.dk or 0045 20330290

News from members

HEUREKA GOES CRAZY

...now on display in Heureka

Irmeli Jyrinsalo

The first-ever science centre exhibition on mental health, Heureka Goes Crazy, wants to dispel prejudices associated with mental health problems and to encourage people to take care of their own well-being. Heureka aims to start public discussion on mental health as both a personal and social issue.

At the exhibition, visitors can test simulations of mental disorders and feed their troubles into the worry shredder. The exhibition also encourages visitors to fool around a little and surprise themselves—to take care of their own mental health and well-being. Some of the exhibits have been designed especially for children. Furthermore, visitors can take part in touching and comforting accounts of people suffering from mental health disorders, or take a look at the history of insanity.

Experts from various fields have given their input in the planning stage of the exhibition. In addition to scientific experts, sufferers of mental health disorders have made a valuable contribution.



The

exhibition has been produced in cooperation with *Universcience, Paris, and Ciência Viva, Lisbon*. The exhibition stays at Heureka until 21 September 2014 and after that it moves on to Lisbon and Paris. In October 2016 it will be available for rent.

In addition to being a science centre exhibition, *Heureka Goes Crazy* is also an art exhibition. The visual foundation of the exhibition is made up of unique paintings by artist Vappu Rossi, who has painted the pictures directly onto the structures. The experience is enhanced by large photo portraits by art photographer Karoliina Bärlund. Some of the people portrayed have first-hand experience of mental health disorders.



In the exhibition, visitors can also try the acoustic sculpture by Pierre-Laurent Cassière, the *Schizophone*, which simulates what being constantly distracted feels like.

Available for rent in 2016

Target audience: all ages, families, schools

Exhibit size: 650 m² / 22 exhibits

Ceiling height: 3.1 meters

Rental period: typically 6 months

Educational materials: teacher's guide and worksheets for classes 1-12

Languages: Finnish, Swedish and English

Teknikens Hus Sweden

Anna Almqvist



Air space

We don't think about the air surrounding us very often. It's just there and we take it for granted. But what if there was no air? What is the significance of air to humans and animals? How can we use air? In the exhibition *Air space*, visitors play and experiment and while doing that, they can learn and discover.



Air space, a 150-200 m² interactive exhibition, includes experiments, games, air fun and facts. The pneumatic robot gets up and greets the visitors as they enter *Air space*. After saying hello to the robot, visitors are free to play and discover. In the wind power workshop, visitors can put together their own little wind mill and try it out on the wind table. They can make music with the air flute and try the sailing boat.

Three players challenge each other to hit bullseye in the air pressure game. Visitors shoot air with the airzooka, experiment with sound in vacuum and take a tour on the little hover craft.



Air space are travelling exhibitions designed and produced by Teknikens Hus Science Center in Luleå Sweden. On Teknikens Hus web site <http://www.teknikenshus.se/english/travelling-exhibitions/> you find information about the exhibits.

For more information and reservations

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News from members

Teknikens Hus,

Anna Almqvist

Grasping Climate

The average temperature on Earth is rising – what is going on with the climate? How does this affect me? These questions were the starting point when Teknikens Hus created the exhibition *Grasping Climate*.

In 100 years time, the average temperature on the Earth might rise as much as 6 degrees Celsius. This results in both drought and floods, extreme heat and cold. But there is hope!

The exhibition shows actions we all can take in our everyday lives to reduce the climate change. The visitors can also explore renewable energy sources.

The 200-250 m² interactive *Grasping Climate* contains exhibits, images, a slide show, film and written information. The starting point of *Grasping Climate* is the energy principle – we can neither create nor destroy energy.

All energy on Earth originates from the Sun. Visitors learn about the increasing greenhouse effect and that our climate is getting warmer. Visitors can save the Earth by taking it safely through the energy maze. They can create renewable energy like wind power, hydropower, wavepower and solar energy.

In the humoristic and thought evoking



exhibition film *A Climate Change Show*, a couple of sheep teach visitors about the climate changes and what humans can do about it. The film is in English but can be with subtitled and dubbed into other languages.



Air space and Grasping Climate are travelling exhibitions designed and produced by Teknikens Hus Science Center in Luleå Sweden. On Teknikens Hus web site <http://www.teknikenshus.se/english/travelling-exhibitions/> you can find information about the exhibits.

For more information and reservations

Please contact Anna Almqvist

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World News

Science Centre World Summit

Science Centre World Summit is coming in Mechelen/Brussels, Belgium, 17-19 March 2014. The programme offers more than presentations and debates within and by the science centre and science communication field. Join Nobel Prize laureates and be inspired by the three keynotes: 'Communication of research', 'Informal Science Learning' and 'New technologies in science centres'. By attending the Summit, you will be given the chance to exchange ideas on strategic issues and discuss possible alliances. In addition, the Science Centre World Summit is the place to be informed of the latest trends in the field and at the same time, a favourable opportunity to leave your stamp on the science centre field's future. The Science Centre World Summit 2014 is an initiative of the following science centre networks: ASPAC, ASTC, Ecsite, NAMES, NCSM, Red-POP and SAASTEC. scws2014.org



25th ECSITE Annual Conference:

People, Planet, Peace, 22-24 May 2014, The Hague, Netherlands

Online registration is now open on the conference website. Early bird rates are in effect for Ecsite members until 7 March. Innovation, problem-solving, progress, adaptation, inclusion and resilience are terms associated with scientific inquiry, but they are also necessities for life in the 21st century. Science centres and museums channel the power and rationality of science to solidify their roles as socially inclusive and inspirational forums for learning.



Euroscience Open Forum: Science Building Bridges, Copenhagen, Denmark, 21-26 June 2014

Registration is now open for ESOF 2014 Copenhagen – designed as an open platform for debating science and as a showcase for European and global research at all levels. ESOF 2014 will be a unique opportunity for leading scientists, young researchers, students, entrepreneurs, policymakers, journalists and the general public to discuss new discoveries and debate the direction that research is taking in all the sciences.



The fourth annual Google Science Fair has now launched

The online competition inspires thousands of students aged 13-18 to use their interests and talents to explore an area of science that they're passionate about – and be in with a chance of winning life-changing prizes. Help spread the word by visiting Educator site to access materials including: text templates, tweets, images, logos, videos, case studies and posters, all for sharing!



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