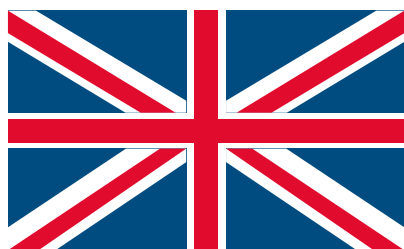


Let's speak science in English!



The International Science Festival takes science and research out onto the streets and squares of Gothenburg. This year's theme is Change (**För ändring!**) It is about how we can create a sustainable future through making great and small changes. Here, we present the many activities held in English. Enjoy!

Ig Nobel Prize – Research that makes you laugh, then think

Which research is the funniest, the most improbable, or the most unnecessary? Did you know that there is a special award for this kind of research? – The Ig Nobel prize. Come and meet the man behind the prize and two actual Ig Nobel winners, Magnus from Sweden, who researched on farting herrings, and Dan from the USA, who is a professional sword swallower.

Magnus Wahlberg, assistant professor, University of Southern Denmark. Mark Abrahams, founder of the Ig Nobel Prize, Annals of Improbable Research, USA. Dan Meyer, Cutting Edge Entertainment, USA.

Tuesday April 20 at 14.00–14.15 and 15.00–15.15

Nordstan, by the Tourist Information Centre

Science Night

Universeum, the Swedish National Discovery Center, in cooperation with the International Science Festival invite you to an evening filled with activities. Free entrance to Explora and Kalejdo exhibitions (the Rain Forest Section and the Ocean Zone are closed during the evening) From the programme:

19.00–22.00

Dj Micksa

19.00–21.00

Challenge yourself with the help of the guides from Universeum

19.55–20.15 and 21.10–21.30

Science Show with Ig Nobel Prize winners

20.20–21.05

Science Quiz with QuizMaster Bryan

Tuesday April 20 at 19.00–22.00

Universeum, Korsvägen

Crisis or Development – Economy as a Solution?

The effect of economic growth on climate change is a debated issue. Is growth a threat or a prerequisite for solving the climate problem? Can we find solutions in economic theories for environmental problems and other challenges that we face today? How do we manage our common pool of resources? What possibilities for development can be found in the economic crisis of today?

Nobel Laureate, Professor Elinor Ostrom, Indiana University. Professor Thomas Sterner, Economic Sciences and Statistics, University of Gothenburg. Elinor Ostrom was awarded the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel in 2009.

In cooperation with the Church of Sweden.

Wednesday April 21 at 18.00–19.00

The Cathedral (Domkyrkan), Västra Hamngatan

The Necessities of Life

By Benoît Pilon with Natar Ungalaaq, Louise Marleau, Paul-André Brasseur. Canada 2008, 102 min. French and Inuktitut, english subtitles.

It's the beginning of the 1950s and Tivii, an Inuit hunter, is flown to a Quebec sanatorium to be treated for tuberculosis. Weak, unable to communicate or to understand others, and far from his loved ones, Tivii decides to give up and to give in to death. His nurse, Carole, however, understanding Tivii's desolation, refuses to let him slip away and arranges for a young Inuit named Kaki, to be transferred to his sanatorium. Kaki knows white society well and helps Tivii decode his situation. Tivii's pride and will to live are further helped by his teaching Kaki about the ways of their land and of the Inuit people.

This event is a collaboration between Hagabion and The Embassy of Canada to Sweden. Ticket reservation is recommended, call 031-42 88 10. Opening hours, every day at 18.00–21.00. Saturdays and Sundays also 13.00–16.30

Wednesday April 21 at 18.30–20.30

Hagabion, Linnégatan 21

Modeling sea surface dynamics

The surface of the ocean can be considered as a random surface that develops in time and space. The significant wave height is a measure of the sea variability. Our goal is to propose models for the variation based on local climate characteristics. The derived models are used to compute frequency of storms, storm sizes and have the potential to answer questions about climate change.

Anastassia Baxevani, Researcher, Mathematical Statistics.

Wednesday April 21 at 18.50–19.30

Chalmers University, Mathematics, Sal Gustav Dahlén, Chalmers Tvärgata 3

Birth, Life and Death of Galaxies in the Universe

A guided tour, with beautiful images and videos, through the mysterious life of galaxies in the Universe – a life full of activity, a life full of secrets, a life that began in the remote past when the Universe was young and ends violently in galactic fights.

Alessandro Romeo, associate professor, Onsala Space Observatory, Chalmers University of Technology.

Wednesday April 21 at 18.30–19.30

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Future Directions in Social Ecological Research

Elinor Ostrom is considered one of the leading scholars in the study of common property resources. Her research is based on numerous studies of common resources, such as fish stocks, forests and lakes, and shows the rules and mechanisms that govern the exploitation of common resource pools.

Nobel Prize Laureate Elinor Ostrom, professor of Political Science and professor at the School of Public and Environmental Affairs, Indiana University, USA.

Thursday April 22 at 13.30–15.00

Vasaparken Aulan, The University of Gothenburg, Vasaparken

Is religion sustainable?

In a multicultural and global world with many religions existing side by side, and in a world where atheistic movements advertise their beliefs on buses and billboards, we explore the future of religion. Is religion sustainable? And if so, what will religion be like in a sustainable future?

Tina Beattie, Professor of Catholic Studies at Roehampton University in London. After her lecture there will be a panel discussion with Dr. Alf Linderman, Director of the Sigtuna Foundation and Dr. Kerstin Alnebratt, Director of the Swedish Secretariat for Gender Research, University of Gothenburg. Moderated by Docent Anne-Louise Eriksson, Head of Research, The Church of Sweden.

In cooperation with Sigtuna foundation and the Church of Sweden.

Thursday April 22 at 18.45–20.00

The Cathedral (Domkyrkan), Västra Hamngatan

Masdar, the Eco-City: When the UAE goes GREEN

The project of Masdar city was initiated in 2006 in Abu Dhabi, the capital of the United Arab Emirates and it is planned to be completed in 2016. The project is headed by the Abu Dhabi Future Energy Company (ADFE) with the support of The World Wide Fund for Nature (WWF). Masdar City is the world's first carbon-neutral, zero carbon-emission city and car free city.

H.E Sheikha Najla Al Qassimi, Ambassador, The United Arab Emirates. Sofia Ellebrand, Managing Director, Ellebrand Consulting.

In cooperation with the Embassy of The United Arab Emirates.

Friday April 23 at 10.15–10.30

Nordstan, by the Tourist Information Centre

Masdar, the Eco-City: When the UAE goes GREEN

The project of Masdar city was initiated in 2006 in Abu Dhabi, the capital of the United Arab Emirates and it is planned to be completed in 2016. The project is headed by the Abu Dhabi Future Energy Company (ADFE) with the support of The World Wide Fund for Nature (WWF). Masdar City is the world's first carbon-neutral, zero carbon-emission city and car free city.

H.E Sheikha Najla Al Qassimi, Ambassador, The United Arab Emirates. Sofia Ellebrand, Managing Director, Ellebrand Consulting.

In cooperation with the Embassy of The United Arab Emirates.

Friday April 23 at 11.30–12.30

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

CAMbrella project

CAM is the summary of different healing procedures which are not part of academic medicine and teaching. Listen to presentation of the unique European project for Complementary and Alternative Medicine research in EU towards Integrative Medicine.

Dr Gabriella Hegyi, Yamamoto Institute, Budapest, Hungary.

In cooperation with The Hungarian Embassy, The Balassi Institute and the Hungarian Culture Association in Gothenburg.

Friday April 23 at 15.00–15.25

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Cooperation and communities. A comparative perspective

Sweden is often quoted as the model country for solutions to social ailments in Hungary. Can cooperation and trust, characteristics for the conception of Swedish society, offer models for communist transition countries? Learn about the interpretation of European cultural identity, or the lack of it, in Eastern Europe and consider ways in which new EU-wide cooperative ventures are affected by this.

Dr Eszter Babarczy, The Media Research Center, The Department of Sociology and Communications in Bute, Hungary.

In cooperation with The Hungarian Embassy, The Balassi Institute and the Hungarian Culture Association in Gothenburg.

Friday April 23 at 15.30–15.55

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Cooperation's future: the solution of intercultural and interpersonal conflicts based on system theory

There are many definitions of what a system is; let us define them as entities that transform inputs into outputs. This enables us to look at human beings as systems, as well as groups and teams - even cultures. What happens when we connect systems on different levels? How do we handle conflicts on a global scale?

Miklós Fodor, Fodor Hr, Budapest, Hungary.

In cooperation with The Hungarian Embassy, The Balassi Institute and the Hungarian Culture Association in Gothenburg.

Friday April 23 at 16.00–16.25

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Cities and their surroundings

The changing processions of urbanisations in Central Europe and urban conflicts in the metropolitan regions especially in Budapest. Zsuzsanna Váradi, The Institute of Sociology, The Hungarian Academy of Sciences.

In cooperation with The Hungarian Embassy, The Balassi Institute and the Hungarian Culture Association in Gothenburg.

Friday April 23 at 16.30–16.55

Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Science Quiz

Challenge yourself and friends in a science quiz, hosted by Quiz Master Bryan! Questions from the world of Popular Natural Sciences. Regardless of your background, quiz participants are guaranteed a challenging and educational evening with lots of laughs, entertainment and prizes!

Bryan J. Egnér PhD, Pub Quiz Masters.

Friday April 23 at 20.00–21.00

Gothenburg City Museum, lobby stage, Norra Hamngatan 12

Science Show – Powers of Perception

How do we make sense of the world around us? Just how good are your powers of perception? Find out how easy it is to fool your senses, with optical illusions, hidden facts and spoonbending. James Piercy, MSc Science Communication, Science Made Simple, United Kingdom.

Saturday at April 24 at 12.00–12.30, 16.30–17.00
Nordstan, by the Tourist Information Centre

Molecular Gastronomy: a scientific look to cooking

The French physical chemist, Hervé THIS, is specialised in molecular chemistry, works at the Institut National de la Recherche Agronomique (INRA) and teaches at AgroParisTech (French equivalent of the Royal Agricultural College). His main area of interest is molecular gastronomy, that is the science of culinary phenomena. This involves looking for the mechanisms of phenomena occurring during culinary transformations. Although his main focus is on physical chemistry, he also attributes great importance to the emotional aspect of cooking, as the title of one of his books shows: *Cooking is love, art, technique*. <http://www.youtube.com/watch?v=roxcggp2ziU>

Hervé THIS, Physico-chimiste INRA, Directeur scientifique de la Fondation Science & Culture Alimentaire (Académie des sciences), Président du Comité Pédagogique de l'Institut des Hautes Etudes du Gout, Groupe de Gastronomie moléculaire, Laboratoire de chimie analytique, AgroParisTech

In cooperation with the French Embassy in Sweden.

Saturday April 24 at 14.00–14.30
Nordstan, by the Tourist Information Centre

The Arctic – a changing world

The fragile Arctic environment is sensitive to change. Climate change and its consequences will be discussed at a seminar in which both Swedish and Canadian scientists are participating. Following the seminar, which will be held in English, the Swedish Polar Research Secretariat will be showing the Danish documentary 'Turf War in No Man's Land', which portrays expedition life on board an ice-breaker and the marine mapping of the Arctic. The film has English subtitles. Ticket reservation is recommended, call 031-42 88 10. Opening hours: every day at 18.00–21.00. Saturdays and Sundays also 13.00–16.30.

Peter Harrison, Director, School of Policy Studies at Queen's University. Margareta Johansson; researcher from the SCANNET network, Lund University and Abisko Scientific Research Station. Professor emeritus Aant Elzinga, Gothenburg University.

In cooperation with The Embassy of Canada to Sweden, the Swedish Polar Research Secretariat and Hagabion.

Saturday April 24 at 15.30–18.00
Hagabion, Linnégatan 21

Civic courage – something to strive for?

Civic courage may be thought of as the readiness to take risks to protect persons beyond one's own family and friends, or to defend a common ideal. Who demonstrates such courage, and what produces such altruistic actions? Can we nurture it in ourselves?

Social anthropologist Brian Palmer is guest lecturer at the Department of Theology, Uppsala University, and was formerly the Torgny Segerstedt Guest Professor at the University of Gothenburg. In 2002, he was voted Harvard University's best lecturer. www.brianpalmer.org

In cooperation with TEDxGöteborg.

Saturday April 24 at 17.00–18.00
Gothenburg City Museum, S.A Hedlunds rum, Norra Hamngatan 12
Sunday April 25 at 13.30–14.30
Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Singing can change everything

Chorus Polonicus Gothoburgensis directed by Wojciech Gluch.

Saturday April 24 at 17.30–18.00
Gothenburg City Museum, Wallenstamsalen, Norra Hamngatan 12

Science Café: The better brain

The regenerative capacity of the human brain has been shown to be much bigger than previously expected. This capacity to build new neurons is influenced by life-style factors such as physical exercise, diet and environment. The Better Brain Science Café encourages visitors to engage in a dialogue about life-style factors and their impact on the brain.

Professor H Georg Kuhn, Center for Brain Repair and Rehabilitation, University of Gothenburg.

Moderated by Jan Riise, President of the European Science Events Association.

The activity is part of the European 2WAYS project and developed in collaboration with the Center for Regenerative Therapies Dresden, Germany. www.twoways.eu

Saturday April 24 at 17.30–18.30
Gothenburg City Museum, lobby stage, Norra Hamngatan 12

The Design of Prosperity

Hear about the experiences from working with Gudi Mudi, a "grass roots" organization in Madhya Pradesh, India, that produces handwoven, organic, naturally-dyed cotton fabrics. David Goldsmith will discuss his work in India in relationship to The Design of Prosperity initiative at The Swedish School of Textiles and The University of Borås which, among other goals, aims to promote a more holistic understanding of what we consider "good" design.

David Goldsmith, PhD student, Swedish School of Textiles, Borås.

Sunday April 25 at 13.00–13.15
Nordstan, by the Tourist Information Centre

Experimental Workshops

This is the Science Festival's temporary Science Centre

Saturday April 24 and Sunday April 25 at 11.00–17.00 Entrance fee: 60 SEK/person

Chalmers, Betonghallen, Betonggården 5, Chalmers (follow signs Experimentverkstaden from the main entrance)