

**ESOF**  
**2014**  
**COPENHAGEN**  
EUROSCIENCE  
OPEN  
FORUM



SCIENCE  
BUILDING  
/  
BRIDGES

21 – 26  
JUNE  
COPENHAGEN



# TABLE OF CONTENTS

## INTRODUCTION

Foreword by Morten Østergaard	4
Introduction by Professor Klaus Bock	6
What is ESOF?	11

## CONTENTS

ESOF 2014 Copenhagen	12
Copenhagen Concept	14
Conference Programme	16
ESOF 2014 Scientific Themes	20
1. The Healthy Society	
2. A Revolution of the Mind	
3. Global Resource Management	
4. Learning in the 21st Century	
5. Green Economy	
6. Material and Virtual Worlds	
7. Urbanisation, Design and Liveability	
8. Science, Democracy & Citizenship	
Science in the City Programme	22
Satellite Events	23
Venue	25
Financial plan	26
ESOF 2014 organisation	28
ESOF 2014 Steering Committee	30
ESOF 2014 Programme Committee	32

## CONTACT INFORMATION **34**

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FOREWORD  
BY MORTEN  
ØSTERGAARD

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**MINISTER FOR  
SCIENCE,  
INNOVATION  
AND HIGHER  
EDUCATION**

It is with great pleasure that I welcome the prestigious Euroscience Open Forum conference to Copenhagen in 2014. The Danish government is strongly committed to ESOF 2014. With the support from Danish and international knowledge institutions, universities and private partners, I am confident the Ministry of Science, Innovation and Higher Education will do its utmost to deliver an excellent event that fully lives up to the proud tradition of ESOF.

ESOF 2014 is entitled "Science Building Bridges". The bridge is a symbol of closing distances and enhancing dialogue. ESOF 2014 will build bridges between science and society; between the private and public sector; between the humanities and sciences; between science and media; and between Europe and the world.

During the Danish EU Presidency in spring 2012, science was a key priority. Both at national and European level, the Danish government emphasises the value of a dialogue on science in society, a multidisciplinary and challenge-driven approach to science and technology and in particular, we support the European agenda for strengthening "excellence" in science as well as securing world-class research infrastructure.

The Danish Government is deeply committed to turning Denmark into one of the world's leading innovation economies. Denmark strives to offer even more attractive investment and job opportunities for foreign companies and researchers. We recognize that as a small country, Denmark is heavily dependent on international collaboration, and we strongly favour the common European coordination of science and technology. I am confident that ESOF 2014 will benefit positively from our ambitions as well as contribute to our objectives.

Recognising that science is the key to a prosperous future for all European citizens, it is my ambition that ESOF 2014 will offer a platform for a continued and expanded dialogue on science. We welcome all parties to become involved in the event. Together, let us make ESOF 2014 an important step towards a stronger link between science and society.



Yours sincerely,

  
Morten Østergaard

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INTRODUCTION  
BY PROFESSOR  
KLAUS BOCK

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**CHAMPION  
OF ESOF 2014  
COPENHAGEN**

It is my great privilege to accept the role as the champion of EuroScience Open Forum in 2014. I am convinced that Denmark is an ideal place for a scientific meeting in the scale and spirit of ESOF. Above all, we aim to honour the exceptional legacy of ESOF meetings in Europe and believe that we can meet the expectations of ESOF delegates and stakeholders from all around the world.

### OPEN FORUM

ESOF 2014 Copenhagen is 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, innovators, policymakers, journalists and the public to discuss new discoveries and debate the direction that research is taking in all the sciences.

### VISION

Our vision is to raise awareness of science in the public and to strengthen the effective "bridges" between science and society that is synonymous with Euroscience. The conference will feature some of the best scientists in the world and will be truly cross-cutting and innovative. The scientific programme is accompanied by an ambitious outreach programme, including a special programme for the younger generation - that we have called the ESOF Future Academy.

The inspiring atmosphere of Copenhagen along with the logistics and organising capabilities of the Danish Ministry of Science, Innovation and Higher Education will ensure a stimulating and adventurous ESOF for all delegates. Copenhagen has it all: a unique venue, great accommodations, a wonderful city and a hardworking and devoted project team.

### COMMITMENT

Together with the impressive number of local partners and institutions, I feel confident that Copenhagen will honour your expectations of a rewarding host city. We are fully committed

to fulfilling our tasks as organisers and will take great pleasure in providing the optimal solutions for ESOF 2014.

Let me take this opportunity to thank all the involved persons and institutions that have supported the ESOF 2014 consortium. We look forward to bring more partners onboard this exciting journey and we will work hard to add real value to the goals and ambitions of all partners and sponsors.

Furthermore, let me take this opportunity to thank all the members of the different international and local committees. Together with the impressive list of highly renowned scientists and experts that serve on the Steering Committee, I am confident that we will deliver an inspiring and unforgettable ESOF 2014.

ESOF 2012 in Dublin was a truly remarkable meeting. We will do our best and take great pleasure in providing you the framework for the next ESOF in 2014.

Yours sincerely,



Champion Klaus Bock  
Member of European Research Council  
Vice-Chair of the Danish National Advanced  
Technology Foundation  
Former Executive Vice-President for Research  
of Carlsberg A/S



### **GLOBAL PRESENCE**

Do you want to show your organisation's signature science or innovative products and technologies to 30,000-50,000 people? Do you want the opportunity to tell international media how your organisation can help solve the grand challenges of tomorrow? And do you want to get head-to-head with the researchers and policymakers of tomorrow and possibly find new collaboration partners?

**Sign up for the ESOF 2014 newsletter:**

**[www.esof2014.org](http://www.esof2014.org)**

**Join us on LinkedIn: Euroscience Open Forum**

**Follow us on Twitter @esof2014**

### **BECOME A SPONSOR**

Become part of the team behind ESOF 2014. Sponsorships will be established along various levels of involvement. If your organisation is dedicated to science, innovation, entrepreneurship, or science diplomacy, ESOF 2014 is the perfect venue for showcasing your brand. ESOF offers:

- a unique position for marketing endeavours in written and electronic media;
- a link to world-leading scientists through the ESOF 2014 website;
- access to VIP scientists and policymakers;
- opportunities to engage global science journalists;
- staging of your brand values towards students, funding agencies, companies and scientific institutions.

ESOF is today the leading European general science conference and attracts the attention of thousands of people throughout the world.







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# WHAT IS ESOF?



ESOF - Euroscience Open Forum - is the biennial pan-European meeting dedicated to scientific research, education and innovation. At ESOF world-leading scientists, including early-career researchers, business people, entrepreneurs and innovators, policymakers, science and technology communicators and the general public discuss new discoveries and debate the direction that research is taking in the natural, human and social sciences.

## ESOF TRADEMARK

ESOF is unique in that it is both international and multidisciplinary. ESOF takes place every second year in a major European city. Since Stockholm 2004 the event has been hosted in Munich (2006), Barcelona (2008), Torino (2010), Dublin (2012), and will take place in Copenhagen in 2014. The unique trademark of ESOF is presentations of scientific breakthroughs and perspectives within all scientific disciplines - ranging from mathe-

matics, music, geography to genetics and astronomy etc. Applying different formats including lectures, workshops, lunches etc., ESOF is a unique meeting place for European and global science stakeholders.

The scientific programme is the benchmark of ESOF and is accompanied by an ambitious and farreaching outreach programme that takes place throughout the host city, and which links up with institutions in other parts of Europe.

## ESOF 2012

ESOF has adopted features of well-established events such as the AAAS Meetings organised by the American Association for the Advancement of Science. ESOF 2012 Dublin reached a level of attendance of 4500 participants, including 400 accredited journalists and Science communicators, 900 speakers and exhibitors, several Nobel laureates, ministers for science and members of the European Parliament.



# ESOF 2014 COPENHAGEN

As a vibrant and modern country, Denmark is home to many leading institutions of research, technology, commerce, industry, media and politics. Denmark is renowned for hosting scientific events and has a history of promoting an ambitious science-for-society agenda. Copenhagen's great presence and beauty combined with state-of-the-art facilities, is perfectly suited for an event in the magnitude and spirit of Euroscience Open Forum.

## SCIENCE BUILDING BRIDGES

The heading of ESOF 2014 is "Science Building Bridges." This title associates a number of social values. The bridge is a symbol of closing the distance between science and society, while forging a European scientific integration. It is a symbol invested with different meanings inclusive to the variegated landscape of European and global science. Building bridges concerns the link between science and its publics; between the private and the public sector; between science and media; and between Europe and the world. Knowing that science and technology is the key to the future of economic performance and social affluence, there is a need to enhance the different bridges and let them evolve even further.

## OBJECTIVES

The objective of ESOF 2014 is to enhance trust in science as an integral part of the development of the European and global science system. Science and technology are too important to be left to scientific experts alone. Issues of

public interest are at stake, and research activities need to be justified and shaped in accordance with public norms and values.

A key point in reaching this goal is to integrate the various elements of the Conference Programme and the outreach programme Science in the City in a common frame. Coherence, curiosity and an open atmosphere will form the basis for the design and implementation of the ambitious programme elements.

## RECTOR LAURITZ B. HOLM-NIELSEN, AARHUS UNIVERSITY, PRESIDENT OF EUROSCIENCE

"Denmark is a strong and long-term advocate of the need to build bridges between science and society. Denmark is an excellent choice to host ESOF 2014 that will bring together the best of European Science, Innovation and Industry. With all the outreach and scientific activities of ESOF 2014 in Denmark, I am confident that ESOF 2014 will be a milestone in the effort to strengthen the upstream engagement of science in society and to promote a truly European vision of science, technology and education".

## PROGRAMME

The ESOF 2014 Programme includes numerous engaging events attracting the attention and excitement of citizens and visitors, including a special programme for high schools - ESOF Future Academy - that will be developed in collaboration with Danish Science Communication. All around the city of Copenhagen - and reaching out to the different regions of Denmark and Europe - outreach and satellite events will be organised that contribute to the awareness and value of science in society. ESOF 2014 takes place Saturday 21 to

Thursday 26 June 2014 with estimated 4,500 participants from more than 80 countries and a total budget of €5.3 million collected from national and international sponsors (including registration and exhibition fees).

## SCIENCE IN THE CITY

The opening of the conference will extend through Saturday 21 and Sunday 22 2014 with a remarkable Science in the City at the Carlsberg City Area. In this period, the city is full of life and the local Danes have not yet left for the holidays.

## ESOF 2014 OBJECTIVES

- 30-50.000 participants in high quality public outreach activities in Carlsberg City Area and around Copenhagen
- 400 speakers including several Nobel laureates, business and political leaders
- Participation from 2000 mid or senior scientists
- Participation from 1000 early career scientists
- Participation from 1000 delegates from policy, science administration, industry
- 500 accredited journalists and communicators, 80 pct. of them international
- About 80 exhibitors from organisations, companies and institutions



# COPENHAGEN CONCEPT

It is widely acknowledged that citizens have an increasing interest in science, technology and innovation. The vision of ESOF 2014 in Copenhagen is to reinforce the societal dimension of European research - recognising that upstream citizen participation is essential for the support of science in society and for appreciating the benefits of science for the economy and the quality of life.

Communicating science and involving stakeholders is required in order to consolidate and justify the growth of investments in science, technology and education in the European countries. Debates on the social and ethical aspects of future science and technology is important, as well as discussing and reviewing the rationales for funding, organising and communicating science.

ESOF 2014 Copenhagen will offer an explorative platform for presenting cutting edge transnational research and innovation, with a special focus on the dynamic communication and interaction of the research community, the social robustness of research, scientific excellence and integrity, public engagement in research, and the promotion of scientific literacy and citizenship.

## THE VALUES OF ESOF 2014 ARE:

- To emphasise public debate, collective reasoning and reflection as intrinsic to the democratic community.
- To enhance a trustful relation between science and society through the encouragement of Responsible Research and Innovation.
- To promote awareness of European science and engage the scientific community in Europe and globally.
- To honour the expectations of the various ESOF delegates by offering state-of-the-art sessions and inspiring conference formats.
- To increase the level of interaction between the different target audiences - scientists, politicians, journalists, students and the public.



**PROFESSOR KLAUS BOCK,  
ESOF 2014 CHAMPION**

"The aim of ESOF 2014 is to establish a higher, well-deserved level of trust in science and to generate more support for decisions in the domain of science, technology, innovation and education, notably in areas of research and development that will touch and affect the lives of European citizens".



# CONFERENCE PROGRAMME



ESOF 2014 will incorporate a number of distinct conference elements:

**A SCIENTIFIC PROGRAMME** consisting of keynote lectures, seminars, workshops and engaging formats for debating the latest research.

**A SCIENCE POLICY PROGRAMME** to debate the significant issues in global science policy.

**A SOCIAL PROGRAMME** that facilitates informal networking among delegates.

**A SCIENCE-2-BUSINESS PROGRAMME** that links research with business and industrial applications, including matchmaking events.

**A CAREERS PROGRAMME** showcasing career opportunities at all levels in Europe and beyond for researchers at all stages of their careers.

**A MEDIA PROGRAMME** that promotes science communication and facilitates delegated journalists and communicators.

**AN EXHIBITION AREA** to showcase the best of European and global academic, public and private research.

**A SCIENCE IN THE CITY PROGRAMME** to stimulate public curiosity towards science, innovation and new technology.

**AN ESOF FUTURE ACADEMY** programme for students from higher secondary schools.

The design of the conference programme will take place through several subsequent steps. Different programme elements (Scientific Programme, Career Programme and Science-2-Business and Science in the City programme) will be subject to an open call for proposals. Hence, the European and global community will have the opportunity to contribute their best ideas and put their mark on the programme. All submitted pro-

posals will be reviewed and assessed by the ESOF 2014 Programme Committee, composed of distinguished international scholars. Approximately 100 sessions will be organised beside keynote lectures, special symposia and plenary debates.

### MULIDISCIPLINARY

In correspondence with the multidisciplinary spirit of ESOF conferences, ESOF 2014 gives priority to grand challenges and themes that are cross-cutting and involve multi-directional dialogue between scientists, policymakers, media and industry.

The strength of organising the scientific programme around grand challenges instead of traditional scientific disciplines is that it enables participants to reflect on what science can do for society, and what society can do to promote science. All speakers and attendees of ESOF 2014 are therefore invited to reflect upon multidisciplinary and challenge-driven issues in their talks, session proposals and final tracks.

**PROFESSOR GUNNAR ÖQUIST,  
CHAIR OF ESOF 2014  
PROGRAMME COMMITTEE.  
ROYAL SWEDISH ACADEMY OF  
SCIENCES**

"I am confident that the ESOF 2014 Programme Committee will deliver a scientific programme of the highest quality that addresses cross cutting issues, groundbreaking research and the potential consequences for society and the policy implications. Moreover, the programme will inspire and encourage coming generations to engage with science."







# ESOF 2014 SCIENTIFIC THEMES

## 1. THE HEALTHY SOCIETY

In recent years, scientific and technological developments have contributed to major progress in the health of individuals and for societies at large. What are the future roads to increased health in the world? How will science, technology and innovation contribute to this development? Where are the major challenges and possibilities?

## 2. A REVOLUTION OF THE MIND

Brain research and cognitive neuroscience have opened our understanding of the human mind. What should we use the knowledge for? What are the consequences for thinking and practice in academic, political and commercial life? And should new knowledge of the brain change our conception of human beings?

## 3. GLOBAL RESOURCE MANAGEMENT

Natural resources are essential for sustaining basic human welfare, e.g. drinking water and food. Moreover, for most industries some natural resources are necessary to manufacture products, e.g. metals, rare earths, water and bio materials. The need for resources is stressing ecosystems and economic development. How can scientific and technological developments secure an effective and timely response for the global need for resources? How can resilience be built in?

## 4. LEARNING IN THE 21ST CENTURY

Well-educated and knowledgeable citizens are essential for inclusive and vibrant societies. But what are the skills and knowledge needed in the future? And how should we learn them - are the days of national, educational systems over and does science and technology offer ways to improve our ways of learning?

## 5. GREEN ECONOMY

According to key parameters, the climate system is already moving beyond the patterns of natural variability. Many researchers, politicians, businesses and interest groups have responded with a call for a green economy that bridges continued economy growth and a sustainable, global ecosystem. Can science and technology deliver on this transition?

## 6. MATERIAL AND VIRTUAL WORLDS

The fundamental understanding of materials has shifted the borders of engineering and production. Moreover, the breakthroughs in information and communication technologies have altered our perceptions of what constitutes reality. Where will the next scientific breakthroughs take us?

## 7. URBANISATION, DESIGN AND LIVEABILITY

Forecasts claim that the future will be urbanized. So the grand challenges need to be faced in an urban setting. Moreover, the cities need to sustain and enhance urban areas as a place of vitality, liveability and accessibility - how can science, technology and innovation support the design of solutions?

## 8. SCIENCE, DEMOCRACY & CITIZENSHIP

Science and scientists can facilitate, interrupt or enrich democratic decision making. When should science be the privileged provider of knowledge and when are scientists citizens? What should be the division of labour between facts and norms; between science and democracy?

### DR GAIL CARDEW, CHAIR OF THE ESOF SUPERVISORY BOARD DIRECTOR AT THE ROYAL INSTITUTION IN LONDON

"We are excited that Copenhagen will host ESOF 2014. The city will form the perfect backdrop for the delegates and the inclusive scientific debate that has come to characterise ESOF. In Copenhagen we will open the debates on global science to citizens, media and other key stakeholders. We look forward to taking the bid to reality with the Danish team".

## ESOF 2014 OBJECTIVES

- 105 sessions that will be allocated with 65 sessions in the Scientific program and 10-12 on each of the other programmes, ie. The Science Policy Programme, the Career Programme and the Science-2-Business Programme
- The scientific programme will have 2-3 high level keynote speakers per day, eg Nobel laureates, CEO's of world-leading companies or political leaders

# SCIENCE IN THE CITY PROGRAMME

The Science in the City Programme will consist of a variety of events at the Carlsberg City Area as well as other locations in Copenhagen. Science in the City will kick-off the ESOF 2014 conference in the weekend of the 21-22 June.

## ESOF FUTURE ACADEMY: ENGAGING THE YOUNG GENERATION

ESOF 2014 calls for an increased engagement in science, including a special attention to the younger generation. In order to bring young people to reflect upon science, a dedicated "ESOF Future Academy" will be organised for students from higher secondary schools in collaboration with Danish Science Communication. The ESOF Future Academy will run prior to the ESOF meeting and culminates with approx. 200 students participating actively in different sessions. In addition, a number of European Students Parliaments will be held during 2013-2014 in several European countries, coordinated by Wissenschaft im Dialog.

The programme is targeted at publics of all ages as well as the ESOF 2014 delegates. The programme is expected 30-50.000 participants primarily in the weekend of the 21-22 June. The ambition is to build bridges and create platforms for interaction between researchers, the public and delegates, and thereby increase the public's interest and engagement in scientific issues. An important target audience are students and teachers - and their families. The Science in the City Programme will consist of stand-alone activities or aligned with other sports, cultural and tourist events in the region.

To establish a close integration between the Science in the City Programme and the Scientific Programme, the thematic framework will reflect the themes of the conference. The programme activities will inspire curiosity towards science, innovation and technology through creative and engaging formats, including:

- Exhibitions, hands-on events and interactive laboratories.
- Games, art, poetry, film and theatres.
- Workshops, science cafés and debates.
- Multimedia performances, digital media and visual elements.

The ESOF 2014 Science in the City Programme will be developed, marketed and coordinated by the ESOF 2014 Secretariat in collaboration with Danish and international partners, including public institutions, private companies, cultural institutions, third sector institutions, social organisations, museums, libraries and universities.

# SATELLITE EVENTS

Satellite Events are meetings of scientific organisations that see a benefit in co-locating their meetings in the margins of ESOF 2014. For members and organisations there are important spill-over effects, and it is seen as an important part of ESOF to encourage the assembling of scientists and scientific associations at ESOF.

Any such activities may refer to ESOF 2014 and use ESOF 2014 publicity materials in a way to be agreed upon with the Secretariat. Approved satellite events and associated conferences may form part of the ESOF 2014 Programme.





# VENUE

A unique feature of ESOF 2014 is the conference venue, the Carlsberg City Area. The venue is located in the middle of the beautiful surroundings of the former Carlsberg Breweries with all its historic buildings.

Since the founding in 1847, thousands of people have passed through the gates of Carlsberg: brewers, horse driven wagons, chauffeurs, scientists, workers and CEOs - all of them have been part of creating the unique history of the Carlsberg breweries. From the beginning Carlsberg was primarily a local Copenhagen company, then it became a national enterprise, and around 1968 it took an international turn establishing the first international Carlsberg brewery abroad.

## MEETING PLACE

As the venue for ESOF 2014, there is clear continuity between the Carlsberg City Area and the ESOF spirit, as the conferences should be a meeting place for scientists, science teachers, media, politicians, industry and the public to debate issues of science and technology.

The Carlsberg City Area will be the central venue for both the conference programme and the Science in the City activities, allowing conference delegates and the public to meet and discuss science in an inspiring and authentic atmosphere. Both the indoor and outdoor facilities will be used, turning the Carlsberg City Area into a pulsating and lively science city throughout ESOF 2014.

## EXHIBITION AREA

The exhibition area will be located in TAP1, the heart of the conference and the main location for keynote speakers and plenary sessions.

TAP1 is also where the café will be situated. This will ensure a natural flow of delegates between registration, exhibition area, plenary sessions and relaxation and conversations in the café area.

# FINANCIAL PLAN

ESOF 2014 has an estimated budget of € 5.3 million. The revenue will be generated through different sources, including registration and exhibition fees, privat funds and sponsorships and governmental grants. The Danish government will contribute € 1.7 million. In accordance with previous years, the Danish Ministry of Science, Innovation and Higher Education is confident in the financial support for ESOF 2014 from the European Union.

## CAPABILITIES AND FUNDRAISING

The Danish Ministry of Science, Innovation and Higher Education is the host of ESOF 2014. Together with the highly recognised members of the Danish Local Organising Committee and Professor Klaus Bock, the Danish

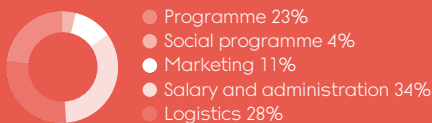
Ministry of Science, Innovation and Higher Education will engage a number of national and international sponsors and collaborators. Fundraising and sponsorships will be sought throughout Europe and will be prepared in order to generate mutual benefits and credibility for all partners.

## ESTIMATED EXPENSES

The expenses for ESOF 2014 Copenhagen figures in the chart below. ESOF 2014 aims at organising a professional and excellent conference for up to 4,500 delegates. The logistics heading covers venue, state of the art AV-equipment, catering and transport for all guests, as well as the expenses for a Professional Conference Organiser (PCO).

### ESTIMATED EXPENSES

EXPENSES	MILLION €
Salary and administration	1.8
Logistics (venue, catering, transport)	1.5
Programme (scientific, outreach, keynotes)	1.2
Social programme	0.2
Marketing and promotion	0.6
<b>Total</b>	<b>5.3</b>



### ESTIMATED INCOME

INCOME	MILLION €
FIVU*	1.7
External sponsors, European Commission	2.6
Delegate fees	0.8
Exhibition fees	0.2
<b>Total</b>	<b>5.3</b>

\*The Ministry of Science, Innovation and Higher Education





# ESOF 2014 ORGANISATION

Permanent secretary of ESOF at Euroscience, Strasbourg, France  
Secretary General Peter Tindemans

**STEERING  
COMMITTEE (SC)**  
Chair Klaus Bock  
ESOF 2014 Champion

**INTERNATIONAL MEDIA  
& MARKETING  
COMMITTEE  
(IMMC)**  
Chair Lars Bernhard  
Jørgensen, CEO,  
Wonderful Copenhagen

**LOCAL  
ORGANISING  
COMMITTEE (LOC)**  
Chair Klaus Bock  
ESOF 2014 Champion

**PROGRAMME  
COMMITTEE (PC)**  
Chair Gunnar Öquist  
Former Permanent  
Secretary of the  
Royal Swedish Academy  
of Sciences

**SECRETARIAT**  
in the Danish Agency for  
Science, Technology and Innovation

Head of Division Kim Brinckmann,  
Stina Nordsborg,  
Karin Ilsoth Rasmussen,  
Anne Lise Krarup-Christensen,  
Thomas Trøst Hansen and  
David Budtz Pedersen.

### **PROFESSOR KLAUS BOCK, CHAMPION OF ESOF 2014 - SHORT BIO**

Professor Klaus Bock, a Danish national born in 1944, is a Member of the European Research Council, and Champion of Euroscience Open Forum 2014 Copenhagen. From 2004 to 2012 he was Chairman of the Danish National Research Foundation. From 2005 to 2013 he serves as Vice-Chairman of the Danish National Advanced Technology Foundation and President of the Danish Academy of Technical Sciences between 2009 and 2011.

Professor Bock has served as a member of the Board of Directors for the Swedish Foundation for Strategic Research and currently serves as a member of the Network of Centres of Excellence Committee in Canada. Trained as a chemist, Professor Bock was appointed Head of Research at Carlsberg Research Laboratories in 1992, and from 2001 to 2007 Executive Vice-President for Research of Carlsberg A/S. He has published 260 papers in refereed journals.

### **ORGANISATION**

The Danish Ministry of Science, Innovation and Higher Education is the host of ESOF 2014. The ministry is composed of a Department and three agencies. One of the agencies is the Danish Agency for Science, Technology and Innovation, which is responsible for ESOF 2014. The ministry has extensive experiences with conference management, financial administration and facilitating scientific committees. Furthermore, together with the highly recognised members of the Danish Local

Organising Committee and Professor Klaus Bock, the Danish Ministry of Science, Innovation and Higher Education will draw on the support of the whole of the Danish science and innovation community to make ESOF 2014 a success.

### **EUROSCIENCE**

Euroscience is the founder of ESOF and hosts the permanent headquarters of ESOF in Strasburg, France. The office supports the ESOF 2014 secretariat with advice and support based on the experiences of previous ESOFs. This has been possible through the support from five European foundations: Compagnia di San Paolo, Fondazione Cariplo, Riksbankens Jubileumsfond, Robert Bosch Stiftung GmbH and Stifterverband für die Deutsche Wissenschaft. Euroscience is a membership organisation representing European scientists in all areas of knowledge and those interested in science, whether in public sector institutions, universities, research institutes or the business sector.

# ESOF 2014 STEERING COMMITTEE



**KLAUS BOCK**, PhD (Lic.techn.) in Organic Chemistry, Chair and champion for ESOF 2014; member of the European Research Council; member of The Standing Selection Committee for Canadian Governments Network of Centers of Excellence; and Vice-Chair of the Danish National Advanced Technology Foundation, Denmark.



**ENRIC BANDA**, Director of Science, Research and Environment at "la Caixa" Foundation. He is a Solid Earth Geophysicist. He is member of the Academia Europaea and Fellow of the Royal Astronomical Society. Former President of Euroscience (2006-2012).



**PETER TINDEMANS**, PhD in Theoretical Physics, Vice Chair, Netherlands. He is Secretary General of Euroscience. He was responsible for Science and Research policy in the Netherlands. He is still engaged in European policies for science, technology and innovation; and in Africa and Latin-America for the World Bank.



**ENRICO PREDAZZI**, Emeritus professor of Theoretical Physics (University of Torino). Founder and present Chairman of Agorà Scienza (interuniversity center for the promotion of science). Member of the Academy of Sciences of Torino; honorary member of the Italian Physical Society. ESOF 2010 Champion.



**CARL JOHAN SUNDBERG**, Professor in molecular and applied exercise physiology at the Department of Physiology and Pharmacology and the Unit for Bioentrepreneurship, Karolinska Institutet, Sweden. His research is focused on the genetic, epigenetic and transcriptomic aspects of adaptation to physical activity in human skeletal muscle.



**GAIL CARDEW**, Director of Science and Education at The Royal Institution in London, United Kingdom. She chairs the ESOF Supervisory Board, which is the board that selects each ESOF host city.



**CONNIE SIMONSEN**, MSc in Engineering, rector at Aarhus University College of Engineering, Denmark. She is chair of the Danish Council for Technology and Innovation and a member of the Board of the Danish National Advanced Technology Foundation.



**HANS MÜLLER PEDERSEN**, MSc. Sociology, is Director General at the Danish Agency for Science, Technology and Innovation, Denmark. He is currently member of the Board of Directors of ESS A/B, member of ERAC and Board of Directors for Denmark's Electronic Research Library.



**HENRIK PEDERSEN**, Professor of Mathematics, Dean of Science, University of Southern Denmark. D.Phil. form Oxford University. Chairman of Science Ventures Denmark, Fjord & Bælt and Sct. Knuds Gymnasium. Member of the Board of IT-Vest-networking-Universities and of Naturama.



**MARIA CRISTINA PEDICCHIO**, President of "Istituto Nazionale di Oceanografia e di Geofisica" (OGS), a National Research Institution located at Trieste- Italy. She is Full Professor in Mathematics at the University of Trieste.



**INGRID WÜNNIG TSCHOL**, Dr. rer. nat. in Zoology, Senior Vice President, Robert Bosch Stiftung, Germany. Her scientific past was at MIT, Cambridge, MA. Amongst many committee memberships, she is Chair of the European Research Forum, a founding member of ESOF and was Vice-Chair of ERAB.



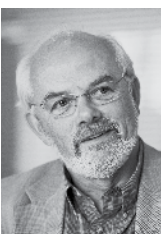
**PATRICK CUNNINGHAM**, Professor of Animal Genetics at Trinity College Dublin. He was Chief Scientific Adviser to the Government of Ireland from 2007 to 2012, and was Champion of ESOF2012.



**JEAN-PIERRE BOURGUIGNON**, Directeur de recherche at CNRS, and presently Director of Institut des Hautes Études Scientifiques in France. A graduate from the École Polytechnique, he holds a PhD in mathematical sciences from the University Paris VII.



**PROF. LISELOTTE HØJGAARD**, Head of Department of Clinical Physiology, Nuclear Medicine & PET at Rigshospitalet and Professor at University of Copenhagen and DTU, Denmark. Chair of the Danish National Research Foundation. She was Chair for ESF, EMRC and Advisory Group EU DG Research Health.



**LAURITZ HOLM-NIELSEN**, President of Euroscience. He is Rector at Aarhus University, Denmark, Vice President of the European University Association (EUA) and Vice-Chairman of Universities Denmark. Lauritz B. Holm-Nielsen has a Master degree in botany from AU.



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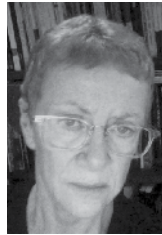


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