

ESOF2010
EUROSCIENCE OPEN FORUM
TORINO, JULY 2-7



www.esof2010.org

ESOF 2010
exactly one year ahead

Enrico Predazzi

Taupp, Roma July 3, 2009

The background features a light gray, abstract pattern of overlapping, irregular shapes that resemble a network or a molecular structure. In the corners, there are clusters of small, colorful squares in shades of blue, green, and orange, arranged in a somewhat grid-like pattern.

ESOF2010. A Journey into Science

ESOF 2010.

European Science Has Chosen Torino

ESOF – Euroscience Open Forum, a prestigious meeting dedicated to research and scientific innovation, takes place every two years in a major European city. For the 2010 edition Euroscience has chosen Torino, internationally renowned as a centre of scientific and technological excellence.

From 2 to 7 July, Torino will be the **European City of Science** and provide the Forum with exhibition areas at **Lingotto**.

ESOF2010 will attract important scientific personalities, researchers from various disciplines, politicians and industrialists, teachers, students, journalists, and a large public with a passion for science.



ESOF2010 .

An Occasion not to be Missed

- to get together and discuss **the frontiers of science and technology**
- to discuss to the relationships between science and society, and **the policies supporting research, the *Scientific Programme***
- to organise events targeted to young researchers (***Career Programme***), the business community (***Science to Business***) and the public at large (***Science in the City***)
- to interact with the rest of the world thanks to **free streaming** technology



The Organisers:

Euroscience and TopESOF

Associazione TopESOF - Torino per ESOF2010, set up by:



COMPAGNIA

d i S a n P a o l o



What is Euroscience

Euroscience, founded in 1997, has its main offices in Strasbourg, France, and counts **2,330 members from over 40 countries**. It represents European scientists from all disciplines, including the social sciences and the humanities, from public and private sectors, universities and research institutes.

Euroscience's main objectives are to:

- provide an open forum for debate on science and technology in Europe
- strengthen the links between science and society
- contribute to the creation of an integrated space for science and technology in Europe
- influence science and technology policies



www.euroscience.org



ESOF2010
EUROSCIENCE OPEN FORUM
Pa Ss ioⁿ Fo^r Scieⁿ Ceⁿ

Stats from Earlier ESOF Editions

ESOF2004 Stockholm,

- Over 1,800 participants
- 247 speakers
- 350 accredited journalists

ESOF2006 Munich

- Over 2,100 participants
- 423 speakers
- 485 accredited journalists

ESOF2008 Barcelona

- Over 4,000 participants
- 452 speakers
- 511 accredited journalists



ESOF2010 Programme

Scientific Programme

ESOF Core Programme

The **Lingotto Conference Centre** will host many talks, seminars, workshops and debates in various fields of knowledge, focusing on the problems of scientific communication and the relationship between science and society

Among the guests will be **outstanding figures from the international world of science** (including Nobel Prize winners) who will talk about their experience and work in plenary sessions.

The Programme Committee has chosen **ten main themes** as a focus for debate.



The call for proposals has just closed (30 June 09)

Scientific Programme

Topics

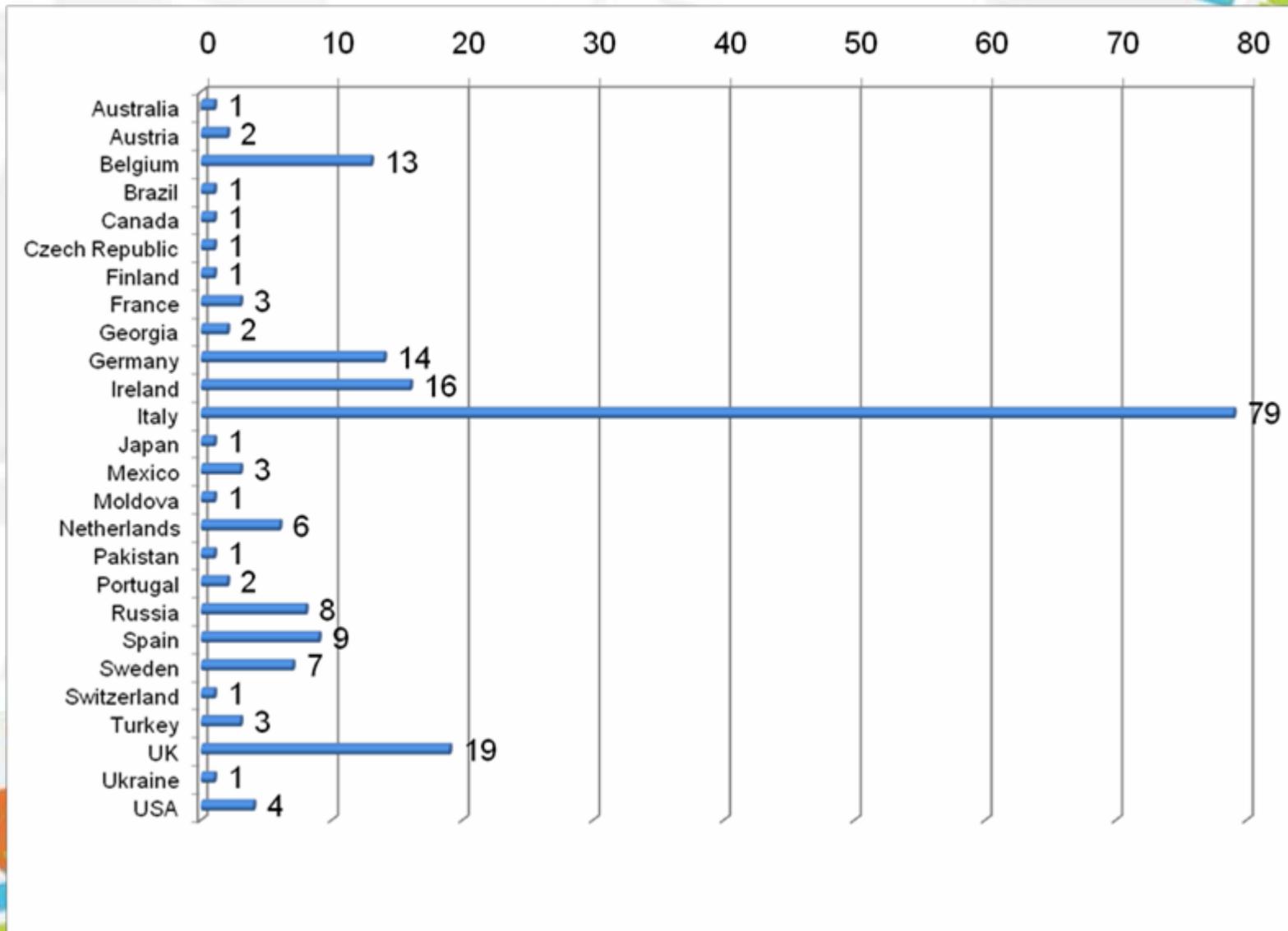
- 1 Sustainable living and moving 13
- 2 Evolution, development and adaptation of organisms 8
- 3 Moving into and up from our quantum world 12
- 4 Responding to global needs 47
- 5 Frontiers in energy research 8
- 6 Science, knowledge, and belief 41
- 7 Memory and learning in organisms, social and artificial systems 6
- 8 Languages, cultures, and variability 8
- 9 Integrating science with health care 28
- 10 Policies – what follows? 24



Total about 200

A stunning result. Barcelona (ESOF 2008) had about 50 proposals submitted

Quite enlightening the geographical distribution (26 countries)



Career Programme

Opportunities in Science

The Career Programme is made up of a series of events dedicated to **young researchers**, who will be given an important opportunity to meet and exchange ideas and experiences, and to learn about the different international career opportunities open to them in both the academic and industrial world.

A one-day **Convention of European Young Researchers and PhDs** will gather graduate students, PhDs candidates and young scientists, and will focus on topics regarding comparative career development and research perspectives. The resulting documents will be presented to the relevant bodies of national and European governments.



Career Programme

Opportunities in Science

Pizza with the Prof

Thanks to this event, young people will be able to meet important figures from the world of research face to face, to chat about a wide range of topics in a pleasant and informal environment.

Science Speed Dating

This brand new event provides for a series of relaxed and brief interviews to match supply and demand, thus facilitating the exchange of ideas between young researchers and institutions, and between those with new ideas and those who might be able to put them to practical use.



Science to Business

A Laboratory of Opportunities

In the Science to Business programme, ESOF2010 will offer a series of appointments dedicated to **business and potential entrepreneurs**, with events that deal with themes regarding applied research and opportunities for development of new highly innovative businesses – with a special focus on Torino's fields of excellence.



Science to Media

Communicating Science

A specific agenda will be dedicated to discussion on **science communication**, featuring meetings with journalists, researchers, and science writers.

Special appointments will be organised exclusively for the **press**, with major scientific personalities attending ESOF2010.



Science in the City

Science in the City

This programme will set the city centre in motion, hosting exhibits, meetings and various forms of entertainment for the **general public**. Streets and squares will be brought to life until late in the evening

Exhibition

At **Lingotto Fiere**, on the other hand, there will be professional stands reserved for research centres, businesses, universities, associations, communication agencies, etc.

Satellite and Collateral Events

Others side events (conferences, award ceremonies, etc.), will be hosted in various parts of the city.



Call for Proposals

Researchers and experts from all over the world can volunteer to participate as a leader in the activities which make up the four main programmes of ESOF2010: **Scientific Programme, Career Programme, Science in the City, and Science to Business**. To apply, simply fill out the **Call for Proposals form** on the site www.esof2010.org, following the specified guidelines.

The deadlines for Career, Science in the City, and Science to Business Programmes are all set at September 15.

The applications will be evaluated by the Programme Committee, based on the relevance, the quality of the research and the originality of the viewpoints, the interactivity, the international perspective, as well as the ethical, social and economic outlook.

Science on the Web

WebESOF

Bringing Science Closer

WebESOF is a unique way to stimulate the diffusion of science in a vast geographical area, focusing on the **young** and **underprivileged**.

The relevant software will be developed in cooperation with the **Torino Polytechnic** and will be available free of cost.



WebESOF

Making Science Accessible

Thanks to a custom-made software platform, it will be possible to:

- Follow the conferences in real time
- Interact with the Forum participants by videoconference
- Download material from the conference
- Share video lectures and lab activities, thanks to a virtual library that will be available to schools and research institutes worldwide.



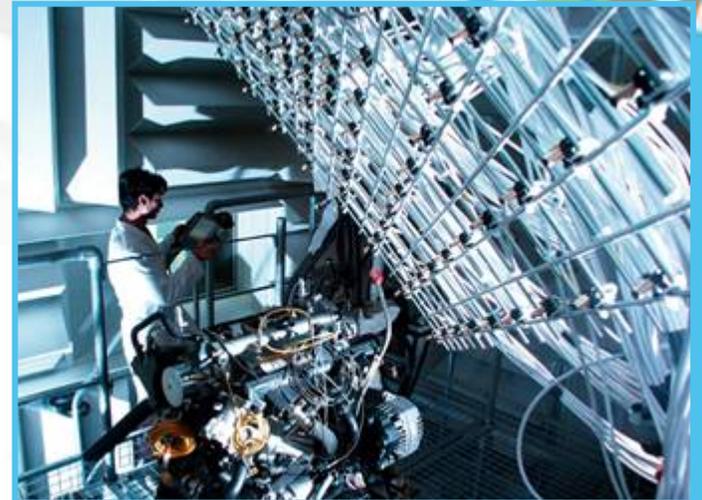
The background is a stylized, light gray map of Torino, Italy, showing its characteristic grid-like street pattern. Overlaid on this map is a large, rounded blue rectangle with a white border. The text 'Torino, City of Science' is centered within this rectangle in a white, sans-serif font. In the bottom right corner, there is a logo for 'ESOF 2010' with the text 'EUROSCIENCE OPEN FORUM' and 'PaSsio'n Fo' Scie'nCe' below it, accompanied by a small icon of a globe.

Torino, City of Science

A Laboratory City

Today Torino excels in the following sectors:

- Automotive
- Information and Communication Technology
- Life Sciences
- Nanotechnologies
- Aerospace
- Industrial Design



City of Discoveries

A centre of ancient and renowned cultural institutions, such as the University (founded in 1404), the Academy of Sciences (1757), and the Polytechnic (1859), the Savoy capital city has proven to be a dynamic crossroad of ideas and experiments.

Benjamin Franklin's early studies on electricity were presented in Torino, as was **Charles Babbage**'s first computer (1840).

The modern concepts of **molecule** and **atom** were developed here by Amedeo Avogadro (1811), and the **electric engine** was invented by Galileo Ferraris (1888). **Nitro-glycerine** was first synthesized in Torino by Ascanio Sobrero (1846), and **Charles Darwin**'s Theory of Evolution was introduced to Italy (1864).

Three Nobel Prize winners for medicine, **Salvador Luria**, **Renato Dulbecco** and **Rita Levi Montalcini**, received their scientific education at the Torino school of histologist Giuseppe Levi, active in 1930s and 1950s.



Big Centres for Big Science

In Torino, science and technology can count on industrial and public research centres such as:

- National Institute of Nuclear Physics
- National Institute of Astrophysics
- Institute for the Research and Cure of Cancer
- National Council of Research (CNR)
- Astronomical Observatory



At the Forefront of Research

The headquarters of the National Metrological Institute are located in Torino, as is **Thales Alenia Space Italia**, the industry that produced many spacecrafts probing the solar system and the deep space.

Torino's **Fiat Research Centre (CRF)** is a leading institution in the field of sustainable mobility.

New centres of excellence are rapidly developing in the most promising research sectors: oncology, neuroscience, genetics, and nanotechnologies



A Wealth of Museums

With its museums and renowned cultural events, Torino is ready to offer ESOF its experience in communicating science to the general public

Cinema is active as ever with the **Film Commission**, the **Multimedia Park**, important International Festivals such as the **Torino Film Festival**, and **The National Museum of Cinema**.

The second most important **Egyptian Museum** in the world, after the one in Cairo, is in Torino, as are many others, like the **Museum of Oriental Art (MAO)**, the **Regional Museum of Natural Sciences**, the **National Museum of Artillery**, the **National Museum of the Automobile**, the **National Museum of the Mountains**.



The Lingotto Venue

Lingotto was one of the main Fiat factories and today is one of the largest multipurpose conference centres in Europe.

The **Lingotto Conference Centre** will be the heart of the Scientific Programme of ESO2010. The premises were created expressly for conventions and conferences.

www.centrocongressilingotto.it

The **Lingotto Fair** is the area where the exhibitions will take place. A versatile and impressive structure, it offers many different areas that can be used for various purposes.

www.lingottofiere.it



ESOF2010. The Committees

The Steering Committee

The Steering Committee is the international committee made up of members of Euroscience and local representatives. It supervises the realisation of ESOF2010.

Sir Harold Kroto *Honorary Chair*

Enrico Predazzi *Chair*

Ingrid Wüning Tschol *Vice Chair*

Jean Pierre Bourguignon

Philippe Busquin

Philip Campbell

Gail Cardew

Patrick Cunningham

Nevio Di Giusto

Piero Gastaldo

Tony Mayer

Felicitas Paus

Giacomo Rizzolatti

Alexei Sisakian

Peter Tindemans

Josee van Eijndhoven

Hans Wigzell

The Programme Committee

This international committee will evaluate proposals, select events, and invite keynote speakers.

Helga Nowotny *Chair*

Carl Johan Sundberg *Vice Chair*

Aldo Fasolo *Scientific Secretary*

Martin Andler

Vittorio Bo

Patricia Boya

Massimiano Bucchi

Gail Cardew

Jean-Patrick Connerade

Barry J. Dickson

Sally Duensing

Ivan Krastev

Alain Peyraube

Albert H. Teich

Yuri Tschinkel

Nütek Yetis

The Communication Committee

- Effrosyni Chelioti
- Gail Cardew
- Clive Cookson
- Ruth Francis
- Anna Martina

Matteo Merzagora

István Palugyai

Carl Johan Sundberg

Luca Tancredi Barone

Pino Zappalà



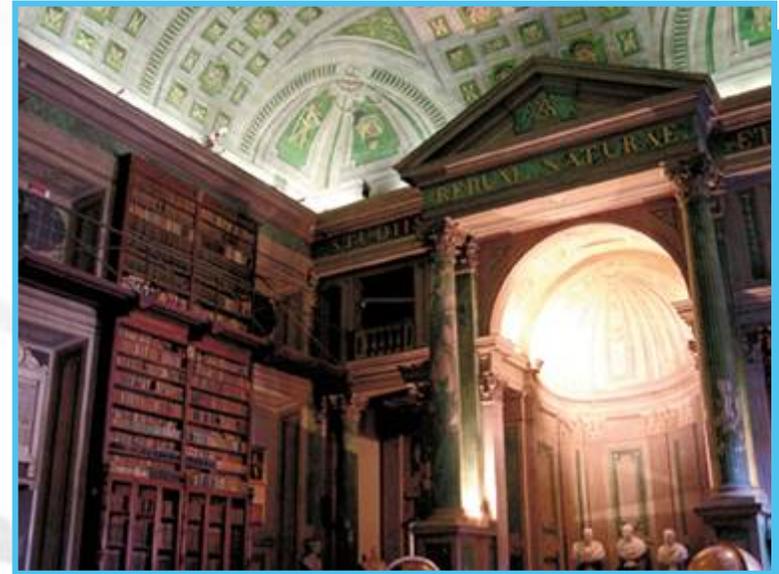
ESOF2010. Partners and Supporters

An Extensive Support Network

Around TopESOF – Torino per ESOF2010 a vast network of supporting institutions, centres, businesses and organizations has developed, nationally and locally.

Scientific Partners

Università degli Studi di Torino, Politecnico di Torino, Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Accademia delle Scienze, CNR – Area Ricerca Torino, INFN – Istituto Nazionale di Fisica Nucleare, sezione di Torino, Osservatorio Astronomico di Torino, Observa – Science in Society, ISMB – Istituto Superiore Mario Boella, Centro Ricerche FIAT, Thales Alenia Space Italia, Fondazione per le Biotecnologie, Fondazione ISI - Istituto per l’Interscambio Scientifico.



An Extensive Support Network

Institutional Partners

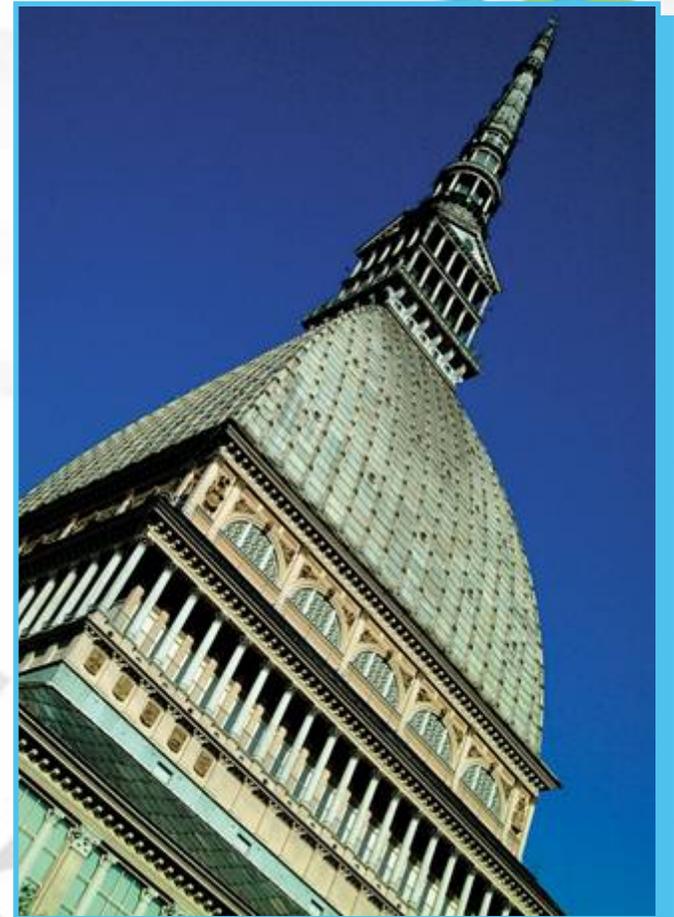
Città di Torino, Provincia di Torino, Regione Piemonte, Torino Internazionale, Unione Industriale Torino, Torino Convention Bureau.

Science in the City Partners

Experimenta, Museo Regionale di Scienze Naturali, Infini.To.

Media Partners

TG3 Leonardo RAI, *La Stampa*, *Le Scienze*, ExtracampusTV.



An Extensive Support Network

National Supporters

Ministero dell'Istruzione, Università e Ricerca, Confindustria, Conferenza dei Rettori delle Università Italiane, Conferenza Nazionale dei Presidi delle Facoltà di Scienze e Tecnologie, Accademia dei Lincei, CNR – Consiglio Nazionale delle Ricerche, INFN – Istituto Nazionale di Fisica Nucleare, ENEA – Ente per le Nuove Tecnologie, l'Energia e l'Ambiente, INAF – Istituto Nazionale di Astrofisica, ASI – Agenzia Spaziale Italiana, I.N.R.I.M – Istituto Nazionale di Ricerca Metrologica, ANMS – Associazione Nazionale Musei Scientifici, RAI – Radiotelevisione Italiana, ENI S.p.A., Intesa Sanpaolo S.p.A., Telecom Italia S.p.A., PNIcube – Premio Nazionale Innovazione, CERN – European Organization for Nuclear Research, Gruppo 2003 per la Ricerca scientifica, Consorzio TOP-IX.



ESOF2010

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