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UNICA RECTORS SEMINAR

Academic Leadership for Open Science

BIOGRAPHIES & ABSTRACTS

Hosted by Université libre de Bruxelles,
14 September 2018

Venue: Solvay Library, Leopoldpark, Rue Belliard 137, Brussels



Session 1: Open Science strategies across Europe



Chair

Caroline PAUWELS

Rector

Vrije Universiteit Brussel

Professor dr. Caroline Pauwels is Rector of the Vrije Universiteit Brussel. She studied Philosophy and Communication Sciences and since 1989 is a member of the Communication Sciences Department, that she presided for several years.

She promoted in 1995 with a dissertation on the audiovisual policy of the European Union. From 2000 to 2016, Rector Pauwels directed the Research Center SMIT, that specializes in Information and Communication Technologies, and that became part of iMinds (now IMEC) in 2004. Within iMinds, Rector Pauwels was Head of the Digital Society Department that unites Research Groups from the Universities of Ghent, Leuven and Brussels.

From 2012 to 2014, the University of Ghent awarded her the Francqui Chair. In addition, she was/is a member of several Boards of Directors, functioned as Government Commissioner for the VRT and is a member of the Royal Flemish Academy of Belgium for Science and the Arts.

Speaker

Frank MIEDEMA

Professor of immunology

Dean and Vice-Chairman of the Board

University Medical Centre Utrecht

Utrecht University



Frank Miedema (1954) studied biochemistry at the University of Groningen, specializing in immunology, with a minor in Philosophy of Science. He obtained a PhD from the University of Amsterdam at the Central Laboratory of the Blood Transfusion Service (CLB), now

Sanquin. There, from 1983 he was project leader immunovirology of HIV/AIDS as part of the Amsterdam Cohort Studies. In 1996 he was appointed full professor at AMC/University of Amsterdam and in became Director of Sanquin Research in 1998. In 2004 he became head of the Immunology department at the University Medical Center Utrecht. From 2009 he is dean and vice chairman of the Executive Board at the University Medical Center Utrecht.

He is one of the initiators of www.scienceintransition.nl/english. Science in Transition believes that the scientific incentive and reward system is in need of fundamental reform. Next to Science for Science (articles in journals), the added value for society needs to be more appreciation and societal stakeholders should be involved more integrally in the production of knowledge.



Abstract

Academic leadership and the transition to Open Science

In May 2016, the Competitiveness Council adopted conclusions on 'The transition towards an Open Science system' where it acknowledges that "Open Science has the potential to increase the quality, impact and benefits of science and to accelerate advancement of knowledge by making it more reliable, more efficient and accurate, better understandable by society and responsive to societal challenges, and has the potential to enable growth and innovation through reuse of scientific results by all stakeholders at all levels of society, and ultimately contribute to growth and competitiveness of Europe".

Open Science encompasses Open Access, Open Research Data and Methods, Open Source, Open Educational Resources, Open Evaluation, and Citizen Science.

A call for interest brought 13 countries together in 2017 in a mutual learning exercise (MLE), a Horizon 2020 instrument to address specific science, technology and innovation (STI) policy challenges. The transition to Open Science represents such a policy challenge which can best be tackled in close cooperation with all stakeholders and on an international scale.

The scope of this first MLE on Open Science was narrowed down to address three key elements of the European Open Science Agenda: The potential of altmetrics (alternative) meaningful metrics; Incentives and rewards for Open Science and Guidelines for developing and implementing national policies. In addition it was concluded that:

1. The implementation of Open Science touches upon the social roles and responsibilities of publicly funded research and the organization of the science system.
2. European academic leadership is crucial but national strategies for the implementation of Open Science are essential including Open Science champions and role models.
3. Open Science is enhancing knowledge markets and improving innovation, but this requires systematic review and substantial evidence.

Speaker

Ted BERGSTROM

Professor of Economics

University of California, Santa Barbara, USA



Ted Bergstrom was raised as a Minnesota farm kid. He majored in Mathematics at Carleton College and obtained a Ph.D. in Economics at Stanford University, studying with Kenneth Arrow. He taught at Washington University in St. Louis from 1966 to 1974, at the University of Michigan from 1974 to 1997 and has been at the University of California Santa Barbara since 1997. He has done work in both pure and applied microeconomic theory and in game theory. His applied interests include environmental economics, the evolution of human preferences, public goods theory, and the economics of the family. He has been fascinated by the unusual economics of academic publishing and has published several articles on this topic.



Abstract

Secrets of the “Big Deal”: Curiouser and Curiouser

An economist, first viewing the academic journal market, might think she had stepped through the looking-glass. Almost all of the work of writing, peer-reviewing and editing journal articles is supplied by faculty who are paid by universities and not by

publishers. Authors donate exclusive copyrights to publish their articles to commercial publishers, who typeset the articles, attach a publisher-owned journal title, and post them on a company web-server. Publishers control access and extract exorbitant prices for universities to buy back access to the products of the research they have funded. Commercial publishers have been able to protect their monopoly positions and extract excessive prices, in part by concealing vital information from their subscribers. Librarians have been insufficiently aware that they are in a situation of bilateral monopoly with publishers and do not need to accept the offered terms. Most universities sign Big Deal package contracts with confidentiality clauses that prohibit them from revealing the prices they pay. Libraries are not given full records of download activity, but receive summary reports that are inflated by double-counting and by inclusion of reported downloads that are already available in open access.

This discussion will attempt to throw some light in dark places, in hopes that it will help university officials to bargain more effectively.

Speaker

Horst HIPPLER

Former President of the German Rectors' Conference

Horst Hippler was President of the German Rectors' Conference (Hochschulrektorenkonferenz – HRK) from May 2012 until the end of July 2018.

From 1993 to 2012 he was Professor of Physical Chemistry at the University of Karlsruhe, today Karlsruhe Institute of Technology (KIT). From 2002 Horst Hippler served first as Rector of the University of Karlsruhe and from 2009 to 2012 as President of the KIT.

He is a member of acatech, the German Academy of Science and Engineering, and a corresponding member of the Gottingen Academy of Sciences.

Currently, Horst Hippler is spokesperson for the project steering committee of the Project DEAL, an initiative by the Alliance of Science Organizations in Germany – represented by the German Rectors' Conference (HRK).

The goal of the project is to conclude nationwide licensing agreements for the entire portfolio of electronic journals (E-journals) from major academic publishers from the 2017 license year.



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The DEAL Project in Germany



Abstract

The goal of Project DEAL is to conclude nationwide licensing agreements for the entire portfolio of electronic journals from major academic publishers. The intention is also to bring about significant change to the status quo in relation to negotiations, content and pricing in the process. An open access component is also planned.

Speaker

Kristiina HORMIA-POUTANEN

Director of National Network Services, National Library of Finland

Member of the EC Open Science Policy Platform

Former President of LIBER (Association of European Research Libraries)



Kristiina Hormia-Poutanen is the Director of Library Network Services at the National Library of Finland.

She is a special adviser of LIBER - Association of European Research Libraries (2018-2020) and she has previously served as President of LIBER from 2014 to 2018, and as Vice President from 2010 to 2014.

She is a member of the Advisory committee of DORA, the San Francisco Declaration on Research Assessment (2018-2021).

Kristiina Hormia-Poutanen is also a member of the Open Science Policy Platform of the European Commission (2016-2018; 2018-2020), and was a member of the Member States Expert Group on digitisation & digital preservation (2016 and 2017).

Recommendations of the Open Science Policy Platform and the Open Science Action Plan in Finland

Open Science is scholarly research that is collaborative, transparent and reproducible and whose outputs are publicly available. The European Union will not remain competitive at the global level unless it promotes Open Science, and relatedly, Open Innovation. The time to act is now.

The presentation will describe the integrated advice by the Open Science Policy Platform on eight prioritised Open Science ambitions as well as introduce the mandate of the 2nd term of the OSPP. Several countries have developed national strategies on Open Science. The Finnish policy will be introduced.

Actions by various stakeholders is needed to implement the recommendations and make Open Science a reality. LIBER, the network of European Research Libraries, has open science in the core of the strategy of the foundation and has in addition published "LIBER Open Science Roadmap". These will be introduced.



Abstract



Session 2: Open Science: time for responsible choices



Chair

Bernard RENTIER

Rector Emeritus

**Emeritus Professor of Virology and Immunology
University of Liège**

Born in 1947, Bernard Rentier was the Rector-President of the University of Liège from 2005 to 2014.

He graduated in Biology at the University of Liège in 1970. Virologist and immunologist by training, he performed his

research work at the National Institute for Medical Research (Mill Hill, London, 1975) and at the National Institutes for Medical Research (Bethesda, MD, USA, 1976-1981) then back at the University of Liège.

His scientific achievements were mostly on influenza, measles and chickenpox/shingles. He chaired the European branch of the Varicella-Zoster Virus Research Foundation (1991-2004), EuroVar and the WAVE Committee (Working against Varicella in Europe).

He was Vice-President of the European Federation of Biotechnology (1997-2004).

He founded and chaired EOS (Enabling Open Scholarship), an international association promoting Open Access in universities worldwide.

He retired as Professor Emeritus on October 1, 2014.

He is currently sharing his time between promoting Open Science internationally as well as Arts and Science at a local level.

Bernard Rentier earned an honorary doctorate degree at the UQÀM, Montreal in 2014 in recognition of his contribution to Open Access at the University of Liège, in Europe and worldwide.



Panelist

Jean CHAMBAZ
President
Sorbonne University

Jean Chambaz is President of Sorbonne University, a new university established in 2018, following the merger between the Paris-Sorbonne and the Pierre and Marie Curie Universities. Jean Chambaz was President of Pierre and Marie Curie University (UPMC) since 2012.

Jean Chambaz is a Professor of Cellular Biology. He was Head of Endocrine Biochemistry at Pitié-Salpêtrière Hospital. In 1999, he created a joint Inserm-UPMC Research Unit in the field of metabolism and intestinal differentiation, which later merged with the Cordeliers Research Center in 2007 where he was then Deputy Director.

In 2005, he created the Doctoral Education Institute at UPMC. From 2008 to 2011, he was the first Chair of the Council for Doctoral Education at the European University Association (EUA).

He is member of the League of European Research Universities (LERU) Rectors' Assembly since 2012 and of the EUA Board since 2015.

He has also been President of the Coordination of research-intensive French universities (CURIF) from 2014 to 2018.

Since 2018, he is the new Chair of the League of European Research Universities (LERU).

Panelist

Astrid SÖDERBERGH WIDDING
President
Stockholm University

Astrid Söderbergh Widding earned her Ph.D. at Stockholm University in 1992. She has worked as a guest Professor at Turku University and became a Professor of Cinema Studies and Head of Department at Stockholm University in 2000/2001, and in 2006 Vice-Dean for Humanities.



She has been the President of Stockholm University since 2013.

Her scientific background includes many international collaborations, like starting one of the first Swedish-based international initiatives for an Open Access journal in humanities, Journal of Aesthetics and Culture, and being among the founding members of NECS, the European Association for Cinema and Media Studies, with its OA journal NEXUS.

Since taking up her Presidency, she has particularly engaged in questions of Open Science, research infrastructure and issues of recruitment policies and quality issues.

Panelist

Jean-Pierre FINANCE

Professor Emeritus, University of Lorraine

Former President, Henri Poincaré University, Nancy

Chair of the EUA Expert Group on Open Science

Professor Jean-Pierre Finance was the President of Henri Poincaré University, Nancy, France from 1994 to 1999 and from 2004 to 2011. For two years (2007-2008) he was the President of the CPU (The French Rector Conference). He actively participated to the project aiming to merge these 4 universities into the single University of Lorraine created in January 1st 2012.



He has been Board member of EUA from 2009 to 2013 and Council member from 2006 to 2016. Currently he is the Chair of the EUA's Open Access Experts Group and of the Big Deal High Level Group. He has been President and still member of the Councils of various French organizations devoted to digital publications

(COUPERIN & ABES).

Further to his studies in Mathematics, Professor Finance opted for Informatics, specializing in programming language semantics and formal methods in software engineering. He got his Ph.D. in 1974 and his "Doctorat d'Etat" in 1979.



Speaker

Kurt VANDENBERGHE

**Director for Policy Development and Coordination
Directorate-General for Research and Innovation
European Commission**

Kurt Vandenberghe is Director for Policy Development and Coordination at the European Commission's DG Research and Innovation since 1st February 2016.

Before that, he was Director for 'Climate action and resource efficiency' at DG Research and Innovation since July 2013.

He served in the Cabinet of Research Commissioner Philippe Busquin (1999-2004) and as Head of the Cabinet of Janez Potocnik, who was Commissioner for Research and Innovation (2004-2009) and subsequently for Environment (from 2010).

Kurt joined the European Commission in 1996 as Co-ordinator of the Commission's Intermodal Transport Task Force and of the Transport Research Programme.

Before entering the Commission, Kurt worked for 4 years as a manager at Ernst & Young Association Management, where he set up, managed and represented international trade associations.

After reading French and Italian literature at the Katholieke Universiteit Leuven (KUL) and obtaining a degree in Public and International Affairs at the University Catholique de Louvain-la-Neuve (UCL), Kurt gained a Master of Arts degree in International Relations at the Johns Hopkins University School of Advanced International Studies (S.A.I.S.) in Bologna, Italy and Washington D.C., US.

Kurt is co-founder and board member of Journalismfund.eu and the VZW Scriptieprijs.

Open Science: making science more reliable, efficient and responsive to society



Abstract

In my contribution I will explain the rationale of Open Science, which will bring us a more reliable and efficient science as well a science which is more responsive to societal demands.

Open Science can be characterized "as sharing knowledge, data and information as early as possible in the research process with as many relevant actors". Knowledge sharing in Open Science is sharing knowledge with a much broader circle of knowledge producers than the classical academics.

“Knowledge coalitions” among academies, industry and citizen organizations will make it possible to direct and re-direct science to deliver on innovations which are societal beneficial. Horizon Europe will feature mechanisms for the co-design of research agenda’s and mission- oriented research by involving a diverse set of stakeholders.

Building on Horizon 2020, the new framework programme – Horizon Europe – is designed to offer the possibility to practice Open Science, not just by delivering outputs of science in an open way, such as Open Access to publications and data, but also by employing open inputs to scientific discovery process- e.g. open data systems such as those from European Space Agency, providing valuable open inputs to those who study climate change and other ecological impacts.