

## Where is EuCheMS heading?



At the 2014 General Assembly in Toruń, we held a strategic discussion on where EuCheMS should be going. Four areas were identified and task groups were created on vision, Member Societies (MS), Professional Networks (PNs), and Finance and Staffing. Below, I look at what is happening as a result of this discussion.

As the coordinating body for the work of all the Chemical Societies in Europe, EuCheMS provides an independent and authoritative voice on chemistry and tries to place it at the heart of European policy. We do this by advising the European Commission (e.g. on climate change, research funding); running parliamentary workshops (such as on employability, endangered elements, circular economy, antimicrobial resistance, glyphosate); joining the pairing scheme of the European Parliament; writing articles and declarations (e.g. on chemical weapons in Syria, chlorine in warfare, the State of Israel and chemical weapons, the importance of chemistry (Seville Declaration), CO detectors, etc); responding to open consultations (e.g. acrylamide in food, cadmium in displays) and informing the public through meetings. Especially important in terms of raising the profile of chemistry in Europe have been involvement in expert high-level groups (Wolfram Koch, Open Science Policy Platform) and accepting invitations to join Commission missions on the circular economy. Our wider service to the chemical community involves running subject-specific conferences through our Professional Networks (PNs) and the biennial European Chemistry Congresses (ECCs). We are developing an international strategy with strong links to non-European chemical societies, but our primary focus is on Europe through our Members and PNs.

We strive to involve MS in all our activities, mostly by inviting them to nominate speakers for events as well as for various Awards related matters. We keep them informed about what is going on through the newly redesigned *EuCheMS Brussels News Updates* (monthly), *Chemistry in Europe* (quarterly), *EuCheMS Yearbook*, in addition to the new website and social media. I have attended several meetings of our MS and find them to be vibrant and highly enthusiastic. We are increasing the reach and synergies of EuCheMS through our Supporting Members.

I have also attended the biennial conferences of most of our PNs and am hugely impressed by the breadth and quality of the chemistry presented in them. A new revenue sharing agreement based on these conferences has given many of them funding of their own for the first time so they are able to expand the range of their activities.

Enhancing the profile of chemistry in Europe requires an increasing number of events and hence financial commitment. Income has been increased through a variety of methods and there are ongoing discussions about how this can be increased further. It would also not be possible to carry out the necessary activities without increased staffing in the Brussels offices. We are extremely lucky that Nineta Hrstelj has been joined by Bruno Vilela and Marta Kucza (part-time). I shall be eternally grateful for the enormous dedication and enthusiasm they show in working for EuCheMS and the entire community.

This will be my last editorial as the President of EuCheMS so I would like to thank the whole chemical community for welcoming me into their midst and giving me such loyal support throughout my three years of office. It has been a hugely enjoyable and rewarding experience; I have met so many amazing people and made so many new friends. Thank you all so much.

David Cole-Hamilton  
EuCheMS President

## EuCheMS awards

In its tradition of rewarding excellence, raising the profile of chemistry, and showing how chemistry is deeply intertwined with society, EuCheMS would like to bring to your attention that the nominations for three of our awards are open:

New!

European Chemistry Gold Medal

Deadline: 31 December 2017

<http://www.euchems.eu/?p=8084>

Reformulated!

EuCheMS Lecture Award

Deadline: 31 December 2017

<http://www.euchems.eu/?p=2716>

New!

EuCheMS Historical Landmarks

Deadline: 30 April 2018

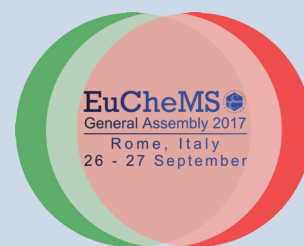
<http://www.euchems.eu/?p=9790>

We hope we can count on your participation! More information on these awards can be found inside this issue of CiE.

EuCheMS Secretariat



**EuCheMS**  
European Chemical Sciences



EuCheMS GA 2017 outcomes now online!

<http://www.euchems.eu/?p=7725>

## POLICY

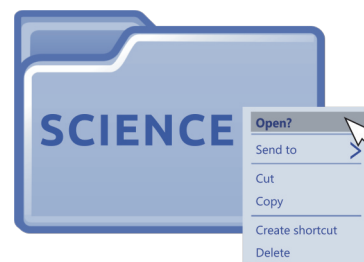
# What is open science?

Open science has been increasingly under the spotlight and a topic of discussion among the research community, but what does it mean for science and society? This article intends to provide an overview of open science and associated discussions (open access, open data, citizen science, etc) as well as the current policy framework of open science.

### A tentative definition

“Open science” (OS) has been a buzzword not only among scientists but also among other actors involved with science such as funders, publishers, libraries, research institutes, universities, businesses and policy-makers, but there is no agreed definition of it. As put by Fecher and Friesike “Open Science is an umbrella term encompassing a multitude of assumptions about the future of knowledge creation and dissemination. (...) the very same term evokes quite different understandings and opens a multitude of battlefields, ranging from the democratic right to access publicly funded knowledge (e.g. open access to publications) or the demand for a better bridging of the divide between research and society (e.g. citizen science) to the development of freely available tools for collaboration (e.g. social media platforms” . For the purpose of this article let us assume that *OS is an umbrella term encompassing a set of values and practices with the objective of*

*increasing scientific collaboration, production and transparency while widening access to scientific results* . In practical terms this translates mainly into the (free) open access of scientific articles and research data even though there are many other surrounding issues.



### The openness of science and its conditions

“If I have seen further it is by standing on the shoulders of giants.”  
Isaac Newton

Due to its collaborative and cumulative nature and its need for verification and reproducibility, science has always been open, the issue has always been “open to which degree, how, and to (...)”  
*You can read the entire article at <https://wp.me/P7iPLy-Tw>*

Bruno Vilela  
EuCheMS Public Affairs Officer

## RESEARCH

# Considering IP in exploitation of public research

Public research is the activity carried out by publicly-funded research centres. These can be considered institutions, universities or enterprises, whose activity is primarily funded with public resources, hereinafter referred to as public research organisations (PROs).

The flow of knowledge and technology between public (...) *You can read the entire article at <https://wp.me/P7iPLy-Tx>*

IPR Helpdesk

# Formulation of reactive inks: reactive inkjet printing of polyurethane foams

Novel fabrication processes are currently subject to a variety of research fields. Digital printing can be used to produce well-known materials in an innovative fashion. Therefore, the Fraunhofer IGB focuses its research on inkjet printing as a manufacturing tool to individualize production processes.

Combining printing and commonly known polyurethane chemistry has a high potential for future manufacturing. Currently, we are focusing on the production of polyurethane foams using two-

component reactive inkjet printing. Here, two separate inks containing the reactive components are separately printed (...) *You can read the entire article at <https://wp.me/P7iPLy-Tx#inkjet>*

Achim Weber  
Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB

# Mobility and mentoring: increasing employment of young people in the European chemical industry

“Mobility is a key value for young chemists who want to find a job in the European chemical industry and might be indispensable for increasing the global economy.” With these words, Dr. Roland Leroux, President of FECCIA, opened the ‘Mobility and Mentoring’ conference in Lisbon. The ‘Mobility and Mentoring’ platform aims to increase and support the mobility of young workers in the EU through mentoring. (...) *You can read the entire article at <https://wp.me/P7iPLy-Tx#eycn>*

Alice Soldá  
Chair of the EYCN  
Fernando Gomollón-Bel  
Advisor of the EYCN

## MEMBERS' PERSPECTIVES

## 150 years of Chemical Society in Germany



Roald Hoffmann

This year, the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) celebrates the 150th anniversary of the creation of the older of its two predecessor organizations, the Deutsche Chemische Gesellschaft (DChG). The highlight of the celebrations was the biennial conference "Wissenschaftsforum Chemie" (Science Forum Chemistry) with the motto "Chemistry – A Driving Force", which took place in Berlin from 10<sup>th</sup> to 14<sup>th</sup> September 2017. The GDCh was happy to welcome guests from all over the world to the solemn opening ceremony at the Konzerthaus Berlin, among them EuChemS President David Cole-Hamilton and General Secretary Nineta Hrastelj. A very touching moment was the performance of Nobel laureate and GDCh honorary member Roald Hoffmann, who was awarded the inaugural Primo-Levi-Prize.

This honor, which is supported by the GDCh and the Società Chimica Italiana (SCI; Italian Chemical Society), is awarded to chemists or scientists from neighboring disciplines who are particularly active in human rights issues and thus advance the dialogue between chemistry and society. After his plenary talk, Hoffmann received a standing ovation by the audience.

Apart from the scientific programme, which included a one-day *Atngewandte Chemie* Symposium with prominent international speakers such as four Nobel Prize winners, several events for children and juveniles took place in Berlin. They had the opportunity to do chemical experiments on their own, to attend a Science Slam or to talk with Nobel Laureates Ben Feringa, William Moerner and other outstanding scientists.

Another highlight was the introduction of the place where the DChG was founded 150 years ago into GDCh's Historic Chemical Landmarks Programme, in which the GDCh honored in particular the achievements of its founding President August Wilhelm von Hofmann.

In collaboration with various partners from university and industry, an innovation marathon took place for the first time. „How can we create a new founding era in chemistry?“ was the question, the participants dealt with. Answers were sought in keynotes, a podium discussion, and a 24-hour hackathon, whose results were presented the following day.

The series of events was concluded with the symposium 'Experiment Future - Values Thinking in Chemistry', in which the role of chemistry with regard to the future of education, nutrition, health and sustainability was addressed with speakers from industry, academia and NGOs such as the Organization for the Prohibition of Chemical Weapons. The outcome of the symposium will be summarized in a communiqué addressing the chemical community as well as political decision-makers and the general public.



Karin J. Schmitz

GDCh, Head of Public Relations Department

## WHO IS WHO



Marco Arlorio, Appointed Member of EuChemS Executive Board as of 1 January 2018. Marco Arlorio is a Professor of food chemistry at the Università del Piemonte Orientale "A. Avogadro", Novara, Italy.



Vesna Mišković-Stanković, President of the Serbian Chemical Society – Српско хемијско друштво (СХД). Vesna Mišković-Stanković is a professor at the University of Belgrade, Faculty of Technology and Metallurgy, Serbia.



Anna Trzeciak, Appointed Member of EuChemS Executive Board as of 1 January 2018. Anna Trzeciak is a Professor of inorganic chemistry at the University of Wrocław, Poland.



J. Paul Attfield, Chair of the Division of Solid State and Materials Chemistry. Paul Attfield holds a Chair in Materials Science at Extreme Conditions at the School of Chemistry and Centre for Science at Extreme Conditions, University of Edinburgh, UK.



## NOTES

### Making the heritage of chemistry visible: the EuCheMS Historical Landmarks

you can read the entire article at <https://wp.me/P7iPLy-Tv>

Brigitte Van Tiggelen  
Chair of EuCheMS Working Party on History of Chemistry

### Prof. Röthlisberger EuCheMS Lecture Award

you can read the entire article at <https://wp.me/P7iPLy-Tv>

EuCheMS Secretariat

### Sílvia Osuna - Division of Organic Chemistry Young Investigator Award 2017

you can read the entire article at <https://wp.me/P7iPLy-Tv#young>

Veronique Gouverneur  
Chair of Division of Organic Chemistry

### European Chemistry Gold Medal – Call for nominations

you can read the entire article at <https://wp.me/P7iPLy-Lz-Tv#gold>

EuCheMS Secretariat

### EuCheMS Lecture Award – Call for nominations

you can read the entire article at <https://wp.me/P7iPLy-Tv#lecture>

EuCheMS Secretariat

 <http://on.fb.me/1B8Qa0n>  <https://twitter.com/EuCheMS>

FUNNY



Chemistry rocks!

## CALENDAR

### 13<sup>th</sup> ICPG - 13<sup>th</sup> International Conference on Polysaccharides and Glycoscience

8 – 10 November 2017

Prague, Czech Republic

Website: <http://www.polysaccharides.csch.cz/index.html>

### 16EPI - 16<sup>th</sup> Iberian Peptide Meeting / 4GEQB - 4<sup>th</sup> Chemical Biology Group Meeting

5 – 7 February 2018

Barcelona, Spain

Website: <https://eventum.upf.edu/10279/detail/16th-iberian-peptide-meeting-and-4th-chembio-group-meeting-barcelona.html>

### ChemCYS 2018 – 14<sup>th</sup> Chemistry Conference for Young Scientists

21 – 23 February 2018

Blankenberge, Belgium

Website: <https://chemcys.be/>

### EuCheMS Executive Board Meeting

27 – 28 February 2018

Berlin, Germany

Website: <http://www.euchems.eu/events/euchems-executive-board-meeting-3/>

For the complete list of events please visit our events calendar at [www.euchems.eu](http://www.euchems.eu)



## COLOPHON

### Editorial Board

David Cole-Hamilton, Pavel Drašar, Pilar Goya, Nineta Hrastelj (responsible), Marta Kucza, Santiago Luis, Torsten John, Karin Schmitz, Cristina Todasca, Bruno Vilela (coordinator).

### Communication Advisers

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David Cole-Hamilton

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