



European Association for Chemical and Molecular Sciences

Annual Report 2013





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Every effort has been made in preparing this publication. Nevertheless, the authors, editor and publisher disclaim all liability for the accuracy of information, references and recommendations and for any printing errors.

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Editorial



EuCheMS is the umbrella organization of national chemical societies from most countries in geographical Europe. Without direct contact to individual chemists, the view on what EuCheMS is doing all the year round may be somewhat obscured. Despite the many “followers” and “likes” EuCheMS has on Facebook and Twitter, and despite the (hopefully) many readers of the “EuCheMS Newsletter” and “Brussels News Update” as well as visitors to the EuCheMS website, the Executive Board of EuCheMS believes that a “yearbook” would help to disseminate information on the activities of the Association.

What you have in hand or on your screen is the first edition of this yearbook. In addition to reporting what EuCheMS did in the past year and what projects are on-going, it is also supposed to be an up-to-date reference on contact persons both in the EuCheMS bodies and the member societies. We would appreciate getting much feedback, also criticism, on whether the yearbook is a useful source of information.

This yearbook is also the opportunity to say thank you to all who are active in EuCheMS in one way or another; the secretariat in Brussels who is developing EuCheMS more and more towards a professional organization (within the given limits), all member societies who supported us and, last but not least, all individuals who volunteered for the many activities, from serving in the EuCheMS bodies and organizing conferences to giving input to public consultations and statements.

A handwritten signature in black ink, which appears to read 'U. Schubert'. The signature is written in a cursive, flowing style.

Professor Ulrich Schubert
EuCheMS President

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Introduction

EuCheMS is the umbrella organization of the Chemical Societies in geographical Europe, embracing (as of 2014) 42 Member Societies in 32 countries and representing about 156.000 individuals (including 31.000 students). The activities of EuCheMS, as a supranational organization, are focussed on

- increasing the visibility of chemistry at the European level by speaking with a single voice,
- creating a European “corporate identity” among the Chemical Societies,
- presenting chemistry as an essential and indispensable provider of solutions for global challenges to European and international institutions and other relevant stakeholders.

Strengthening the position of chemistry in Europe can only be achieved by combining forces and by genuine solidarity. The work of EuCheMS rests on three pillars which are supposed to complement national activities of the Member Societies on a transnational level: networking, European chemistry congresses and policy development.

The Divisions, Working Parties and the European Young Chemists' Network (EYCN) have developed strong thematic networks in scientific areas as well as on general issues related to chemistry. Every individual is invited to participate, and related divisions in national societies to link with the EuCheMS divisions, Working Parties and EYCN. Reports on their many activities in 2013, including thematic congresses, symposia and workshops constitute a major part of this Yearbook.

The 5th EuCheMS Chemistry Congress will take place in Istanbul from 31 August to 4 September 2014. Apart from being a big scientific event and the biennial “family gath-

ering” of European chemists, it will also provide the opportunity to build bridges to the Middle Eastern countries. There is no other occasion in Europe where chemists from different countries, different areas of chemistry and different professional backgrounds can converge in one place. The European Chemistry Congresses are unique forums to foster transnational dialogue and collaboration, to encourage the dialogue between the different branches of chemistry, to bring academia, industry and decision makers together and to emphasize the impact of chemistry and chemical research on our society. Special attention is given to all activities which help promote the careers of young scientists.

Policy development includes activities to promote chemistry at a European level. Speaking with one European voice gives us a strong position; EuCheMS statements are considered impartial since we are not defending national or economic interests. In the past two years input to Horizon 2020 was high on the agenda. Regular activities include input to chemistry-related public consultations, keeping contact with members of the European Institutions and other relevant stakeholders and closely following chemistry-related activities at the European and international level. Details of the activities in 2013 are reported in a later chapter.

All these activities can only be accomplished by efficient and sustainable governance and by effective communication within the Association. The EuCheMS secretariat was consolidated by moving into new premises in the vicinity of the European Parliament and by employing a second person. Streamlining decision-making processes and implementing procedural rules was further advanced. A major step for the future development of EuCheMS was the adoption of a new Constitution by the General Assembly in October 2013.

Ulrich Schubert, EuCheMS President

EuCheMS Executive Board

The Executive Board is responsible for managing the scientific, educational and professional activities of EuCheMS.

The composition of the Executive Board includes the President, the President Elect/Past President, the Treasurer, members elected by the General Assembly and other members appointed by the Executive Board to provide special expertise.

President

Professor Ulrich Schubert
Austrian Chemical Society
Email: uschuber@mail.zserv.tuwien.ac.at



Elected member

End of term: March 2014
Professor Henryk Koroniak
Polish Chemical Society
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President Elect

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Email: djc@st-andrews.ac.uk



Elected member

End of term: March 2014
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Past President

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Elected member

End of term: March 2014
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Elected member

End of term: March 2014
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Elected member

Term starts on 1 January 2014
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Elected member

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Elected member

Term starts on 1 January 2014
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Elected member*Term starts on 1 January 2014*

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**Appointed member**

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 National Council of Chemists
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**Elected member***Term starts on 1 January 2014*

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 National Association of Chemists of Spain
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**Elected member***Term starts on 1 January 2014*

Professor Livia Simon Sarkadi
 Hungarian Chemical Society
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**Appointed member**

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**Elected member***Term starts on 1 January 2014*

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**Appointed member***End of term: October 2013*

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EuCheMS General Assembly

The General Assembly, the governing body of EuCheMS, meets annually and defines the general policy of EuCheMS. It is composed of a representative from each of the member societies.

2013 EuCheMS General Assembly, Budapest, Hungary

In 2013, it was the Hungarian Chemical Society which kindly hosted about seventy participants for meetings on 23-25 October in Budapest. Sincere thanks on behalf of EuCheMS were expressed to its President, Livia Simon Sarkadi by Ulrich Schubert.

This year the EuCheMS General assembly was dedicated to important internal matters: the new constitution and elections for President-Elect and elected members of the Executive Board were key items on the agenda. They were complemented by detailed presentations on various EuCheMS activities in the past year.

A comprehensive overview was given by Ulrich Schubert, EuCheMS President, who emphasized, amongst other things, the importance of the new constitution. Policy related activities were presented by Nineta Majcen, General Secretary, who invited representatives of EuCheMS member societies and EuCheMS Divisions/WPs to actively contribute to them, whenever they find a certain policy activity relevant for their specific research. Livia Simon Sarkadi and Frederique Backaert completed a successful year by presenting activities of EuCheMS Divisions and Working Parties and the European Young Chemists' Network (EYCN).

The presentations are available at: www.euchems.eu/about/general-assembly/2013-budapest-hungary.html.



Policy related activities



Since EuCheMS moved to Brussels, it has been very active in raising awareness and promoting chemical sciences within the European Institutions and the other stakeholders. EuCheMS takes part in the relevant events organised in Brussels and follows closely the work of the European Institutions on chemistry – related

and other relevant issues such as Horizon 2020, Professional Qualifications Directive and Electronic Professional Card, Biofuels, Renewable Energy, Water, Open Access.

Brussels News Updates



EuCheMS activities include monitoring relevant topics in order to produce a monthly press release known as the Brussels News Updates. Brussels News Updates are delivered in electronic form to all Member Societies, Divisions and Working Parties, Associated Organisations, selected members of the European Commission and European Parliament and other stakeholders. Readers of the Brussels News Updates can learn about the most recent developments in European legislation on selected issues, forthcoming events and news on European Roadmaps and Consultations.

Brussels News Updates are delivered in electronic form to all Member Societies, Divisions and Working Parties, Associated Organisations, selected members of the European Commission and European Parliament and other stakeholders. Readers of the Brussels News Updates can learn about the most recent developments in European legislation on selected issues, forthcoming events and news on European Roadmaps and Consultations.

Open Consultations

Every time the European Commission takes the initiative to legislate on a topic of public interest, it launches an open consultation in order to collect the opinions of the interested parties. EuCheMS plays an active role in the European policy-making process by responding to the Open Consultations that concern its domain of interest. In 2013 EuCheMS has responded to two Consultations:

- Public Consultation on the review of Annexes I & II of the Groundwater Directive;
- Public Consultation on the Sustainable Use of Phosphorus.

EuCheMS is registered in the Transparency register of the European Union.

Activities with the European Parliament

EuCheMS follows closely the work of the European Parliament and in particular the activities of some relevant Committees: Committee on Industry, Energy and Research (ITRE), Environment, Public Health and Food Safety (ENVI) and Internal Market (IMCO). Moreover, over the years it has developed a close cooperation with the EP Science and Technology Options Assessment (STOA) and, after the success of the first workshop held in 2011 entitled “Chemistry for a Better Life”, EuCheMS will co-host a workshop on Energy Storage early in 2014.

On 13 November 2013, EuCheMS initiated an event co-organised with the European Parliament Intergroup on Sustainable Development, Biodiversity and Climate Change entitled “Sustainable Chemistry: Supporting Research, Innovation and Competitiveness in Europe”, which took place in the European Parliament.



The meeting, opened by MEP Cristina Gutierrez-Cortines and by Professor Ulrich Schubert, represented an impor-

tant occasion of discussion between the panellist (Bjorn Hansen, Head of Unit “Chemicals”, DG Environment, European Commission, Renzo Tomellini, Head of Unit “Materials” in DG Research and Innovation, European Commission, Marc Taillefer, research team leader at the Institut Charles Gerhardt (ICG), Montpellier, France and Winner of the European Sustainable Chemistry Award, Katalin Barta, Assistant Professor of Green Chemistry and Catalysis, Stratingh Institute for Chemistry, Fabrice Stassin, UMICORE and Vito Buonsante, ClientEarth) and the public, composed of MEPs, European Commission officials and interested stakeholders.

EuCheMS provides platform for Funding Agencies

EuCheMS provides a platform of discussion for funding agencies. The first meeting was held in Brussels on 12 November 2013. The participants expressed appreciation to EuCheMS for the initiative and indicated the high need for such a platform in order to meet with scientists, understand their needs and share views and ideas.

European Union Contest for Young Scientist (EUCYS)



The 2013 EUCYS took place in Prague, Czech Republic. The contest is an initiative of the European Commission that was set up in 1989 with the goal of promoting cooperation and interchange between young scientists and guiding them towards a future career in science and technology. The event is an annual exhibition of the finest work developed by young scientists in many different scientific fields; it enables the best young minds of different countries to compare ideas and admire each other's work, as well as to compete with one another at European level.

This year it was the third time that EuCheMS awarded the special prize for chemistry at the EUCYS to encourage young creative curious minds at the beginning of their career. The 2013 EuCheMS special prize for chemistry was awarded to

Mari Liis Pedak (see picture) for her project entitled “Analysis of the aquatic humic substances in Lake Harku using high pressure liquid chromatography”.

Joint Initiatives

EuCheMS took part in several joint initiatives such as

- Artificial Photosynthesis, in collaboration with the European Chemical Industry Council (CEFIC),
- the European Employment Survey, initiated by the European Commission and executed by the European Chemistry Thematic Network Association (ECTN) and European Chemistry and Chemical Engineering Education Network 2 (EC2E2N2).
- the 3rd European Energy Conference, co-organised with the European Physical Society (EPS), that took place on 27-30 October 2013 in Budapest.
- EuCheMS actively contributed to statements on Open Access ie to the statement coordinated by the European Physical Society and to the San Francisco declaration.

The partnership between EuCheMS and EPS was consolidated by the signature of a Memorandum of Understanding on 6 April 2013 in Strasbourg (see picture: Professor Ulrich Schubert and Professor Luisa Cifarelli).



EuCheMS Awards

European Sustainable Chemistry Award

In 2010, EuCheMS launched the European Sustainable Chemistry Award (ESCA). This was encouraged by the European Environment Agency (EEA), CEFIC and the European Technology Platform for Sustainable Chemistry (SusChem).

The European Sustainable Chemistry Award is intended to raise the profile of sustainable chemistry and be a spur to innovation and competitiveness.

European Young Chemist Awards

The European Young Chemists Award (EYCA), organised by the Italian Chemical Society and EYCN is intended to showcase and recognise the excellent research being carried out by young scientists working in the chemical sciences.

EuCheMS Award for Service

The EuCheMS Award for Service acknowledges outstanding commitment with regard to fostering chemistry and molecular sciences in Europe and the goals of EuCheMS. In addition to recognized service to EuCheMS, this may include activities in governmental, non-governmental or funding organizations, publicity-related activities, etc. Nominations must demonstrate achievements for improved competitiveness, visibility, coherence or structure of chemistry in Europe.

EuCheMS Lecture Award

The EuCheMS Lecture serves to strengthen the image of EuCheMS and of European chemistry in general, promoting scientific cooperation among chemists in Europe. The lecture is normally awarded annually to a prominent chemist from a European country.

2013 Lecture Award

EuCheMS 2013 Lecturer is Professor Maurizio Prato



Professor Prato will give his lecture during the 5th EuCheMS Chemistry Congress that will take place in Istanbul from 31 August until 4 September 2014.

EuCheMS Chemistry Congresses

The European EuCheMS Chemistry Congresses (ECC) are the most prominent events for the European chemistry community. They constitute a joint endeavour of EuCheMS member societies and the EuCheMS Divisions and Working Parties.

Chemists from all parts of Europe come together to present and discuss the latest achievements in cutting edge chemical sciences. There is no other occasion where chemists from different countries, different areas of chemistry and different professional backgrounds can converge in one place.

The ECCs are unique forums to foster transnational dialogue and collaboration, to encourage the dialogue between the

different branches of chemistry, to bring academia, industry and decision makers together and to emphasize the impact of chemistry and chemical research on our society. Special attention is given to all activities which help promoting the careers of young scientists. A high level Scientific Committee ensures the highest possible quality of the scientific contributions with a regionally and thematically balanced program of exciting cutting edge chemistry.

**The 5th EuCheMS Chemistry Congress will take place from
31 August – 4 September 2014
in Istanbul, Turkey**



EuCheMS Recognised Events

- **XVIII Meeting of the Portuguese Electrochemical Society**
24 – 27 March 2013
Porto, Portugal
- **Austrian-Slovenian Polymer Meeting**
3 – 5 April 2013
Bled, Slovenia
- **112th Annual German Conference on Physical Chemistry**
9 – 11 May 2013
Karlsruhe, Germany
- **5th European Conference “Chemistry for life Sciences”**
10 – 12 June 2013
Barcelona, Spain
- **ICCE – 14th EuCheMS International Conference on Chemistry and the Environment**
25 – 28 June 2013
Barcelona, Spain
- **20th EuCheMS Conference on Organometallic Chemistry**
30 June – 4 July 2013
St. Andrews, Scotland
- **5th Eurovariety in Chemistry Education Conference “Smarter Teaching – Better Learning”**
3 – 5 July 2013
Limerick, Republic of Ireland
- **EuroCarb 17**
7 – 11 July 2013
Tel Aviv, Israel
- **18th European Symposium on Organic Chemistry**
7 – 12 July 2013
Marseille, France
- **XVII Euroanalysis, the European Conference on Analytical Chemistry**
25 – 29 August 2013
Warsaw, Poland
- **XII International Symposium on Inorganic Biochemistry**
28 August – 1 September 2013
Wroclaw, Poland
- **9th International School of Organometallic Chemistry**
30 August – 3 September 2013
Camerino, Italy
- **GDCh-Wissenschaftsforum Chemie**
1 – 4 September 2013
Darmstadt, Germany
- **9th European Conference of Computational Chemistry (EuCo – CC9)**
1 – 5 September 2013
Sopron, Hungary
- **Conference: “Flavours & Fragrances”**
11 – 13 September 2013
Leipzig, Germany
- **8th International Conference »Instrumental Methods of Analysis – Modern Trends and Applications»**
15 – 19 September 2013
Thessaloniki, Greece
- **Journées de Chimie Organique**
24 – 26 September 2013
Palaiseau, France
- **2nd Brazilian Symposium on Biorefineries**
24 – 26 September 2013
Brasilia, Brazil
- **12th International Symposium Prospects for the 3rd Millennium Agriculture**
26 – 28 September 2013
Cluj – Napoca, Romania
- **3rd Mass Spectrometry Food Days**
9 – 11 October 2013
Trento, Italy
- **1st EuCheMS Congress on Green and Sustainable Chemistry**
13 – 15 October 2013
Budapest, Hungary
- **3rd European Energy Conference**
27 – 30 October 2013
Budapest, Hungary

- ◆ **Sustainable Chemistry: Supporting Research, Innovation and Competitiveness in Europe**
13 November 2013
Brussels, Belgium
- ◆ **European Winter School on Physical Organic Chemistry**
2 – 7 February 2014
Bressanone, Italy
Website: www.chimica.unipd.it/wis poc/pubblica
- ◆ **The energy storage challenge: which contribution from chemical sciences? EuCheMS-STOA Workshop**
11 February 2014
Brussels, Belgium
- ◆ **12th Chemistry Conference for Young Scientists**
27 – 28 February 2014
Blankenberge, Belgium
Website: www.chemcys.be/
- ◆ **Analytica Conference 2014**
1 – 3 April 2014
Munich, Germany
Website: www.gdch.de/analyticaconf2014
- ◆ **113th Annual German Conference on Physical Chemistry**
29 – 31 May 2014
Hamburg, Germany
Website: www.bunsen.de/bunsentagung2014.html
- ◆ **22nd Analysdagama**
9 – 11 June 2014
Stockholm, Sweden
Website: www.Analysdagama.se
- ◆ **15th International Conference on Electroanalysis**
11 – 15 June 2014
Malmö, Sweden
Website: <http://eseac2014.com/>
- ◆ **International Summer School on Organic Synthesis “A. Corbella”**
15 – 19 June 2014
Gargnano, Italy
Website: www.corbellasummerschool.unimi.it/
- ◆ **18th Int. Symposium on Bioluminescence and Chemiluminescence**
23 – 28 June 2014
Uppsala, Sweden
Website: www.conference.slu.se/isbc2014
- ◆ **Conference on Organic Free Radicals**
29 June – 4 July 2014
Prague, Czech Republic
Webpage: www.uochb.cz/web/structure/1259.html
- ◆ **Conference on Molten Salts and Ionic Liquids XXV**
6 – 11 July 2014
Tallinn, Estonia
- ◆ **5th EuCheMS Chemistry Congress**
31 August – 4 September 2014
Istanbul, Turkey
Website: www.euchems2014.org
- ◆ **23rd International Symposium on Medicinal Chemistry**
7 – 11 September 2014
Lisbon, Portugal
Website: www.lidorganisation.com/v2/produits.php?langue=english&cle_menus=1238915495
- ◆ **22nd Conference on Isoprenoids**
7 – 10 September 2014
Prague, Czech Republic
Website: www.vscht.cz/lam/isoprenoids/Isoprenoids.htm
- ◆ **Ischia Advanced School of Organic Chemistry**
21 – 25 September 2014
Ischia, Italy
Website: www.iasoc.it/home/
- ◆ **21st European Conference on Organometallic Chemistry**
5 – 9 July 2015
Bratislava, Slovakia
Website: www.eucomcxxi.eu/
- ◆ **15th EuCheMS International Conference on Chemistry and the Environment**
22 – 25 September 2015
Leipzig, Germany

EuCheMS Member Societies

Austrian Chemical Society

Gesellschaft Österreichischer Chemiker (GÖCH)

President: Prof. Herbet Ipser

Website: www.goech.at



Estonian Chemical Society

Eesti Keemia Selts

President: Prof. Margus Lopp

Website: <http://ecs.kbfi.ee/Engl.html>



Austrian Society of Analytical Chemistry

Österreichische Gesellschaft für Analytische Chemie (ASAC)

President: Prof. Wolfgang Buchberger

Website: www.asac.at/default.aspx



Finnish Chemical Societies

Kemiska sällskapet i Finland / Suomen Kemian Seura

President: Prof. Nina Aremo

Website: <http://kemianseurat.fi/kemia>

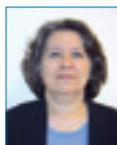


Royal Society of Chemistry (Belgium)

Société Royale de Chimie

President: Dr. Claudine Buess-Herman

Website: www.src.be



French Chemical Society

Société Chimique de France

President: Prof. Olivier Homolle

Website: www.societechimiquedefrance.fr



Royal Flemish Chemical Society

Koninklijke Vlaamse Chemische Vereniging (KVCV)

President: Christophe De Bie

Website: www.kvcv.be



German Chemical Society

Gesellschaft Deutscher Chemiker (GDCh)

President: Prof. Barbara Albert

Website: www.gdch.de



Croatian Chemical Society

Hrvatsko Kemijsko Društvo

President: Prof. Srdanka Tomić-Pisarović

Website: www.hkd.hr/index-en.html



German Bunsen Society for Physical Chemistry

Deutsche Bunsen-Gesellschaft für Physikalische Chemie e.V.

President: Dr. Marcel Peuckert

Website: www.bunsen.de



Panyprian Union of Chemists

President: Prof. Epameinondas Leontidis



Association of Greek Chemists

Ένωση Ελλήνων Χημικών

President: Prof. Athanasios N. Papadopoulos

Website: www.eex.gr/Pages/Default.aspx



Czech Chemical Society

Česká společnost Chemická

President: Prof. Jitka Ulrichova

Website: www.csch.cz



Hungarian Chemical Society

Magyar Kémikusok Egyesülete

President: Prof. Dr. Livia Simon Sarkadi

Website: www.mke.org.hu



Danish Chemical Society

Kemisk Forening

President: Prof. Stefan Vogel

Website: www.chemsoc.dk

Institute of Chemistry of Ireland

President: Prof. Patrick Hobbes

Website: www.chemistryireland.org



Israel Chemical Society

President: Prof. Ehud Keinan
 Website: www.chemistry.org.il

**Polish Chemical Society**

Polskie Towarzystwo Chemiczne
 President: Prof. Boguslaw Buszewski
 Website: www.en.ptchem.pl

**National Council of Chemists**

Consiglio Nazionale dei Chimici
 President: Prof. Armando Zingales
 Website: www.chimici.it

**Portuguese Chemical Society**

Sociedade Portuguesa de Química
 President: Prof. Maria José Calhorda
 Website: www.spq.pt

**Italian Chemical Society**

Società Chimica Italiana
 President: Prof. Vincenzo Barone
 Website: www.soc.chim.it

**Portuguese Electrochemical Society**

Sociedade Portuguesa da Electroquímica
 President: Prof. Armando Pombeiro
 Website: cqe.ist.utl.pt/speq/

**Association of Chemists of Luxembourg**

Association des Chimistes Luxembourgeois
 President: Albert Lambert
 Website: www.achil.lu

**Romanian Chemical Society**

Societatea de Chimie din Romania
 President: Prof. Sorin Rosca
 Website: www.schr.org.ro

**Society of Chemists and Technologists of Macedonia**

Сојуз на хемичарите и технолозите на Македонија
 President: Prof. Svetomir Hadzi Jordanov
 Website: www.pmf.ukim.edu.mk/PMF/Chemistry/sojuz.htm

**Romanian Society of Analytical Chemistry**

President: Prof. David Victor

Chemical Society of Montenegro

Hemijsko Društvo Crne Gore
 President: Prof. Zeljko Jačimović

**Mendeleev Russian Chemical Society**

President: Prof. Aslan Tsivadze
 Website: www.chemsoc.ru

**Royal Netherlands Chemical Society**

Koninklijke Nederlandse Chemische Vereniging (KNCV)
 President: Prof. Saskia van der Vies
 Website: www.kncv.nl

**Russian Scientific Council on Analytical Chemistry**

President: Prof. Yuri Zolotov

**Norwegian Chemical Society**

Norsk Kjemisk Selskap (NKS)
 President: Prof. Kenneth Ruud
 Website: www.kjemi.no

**Serbian Chemical Society**

Српско хемijsко друштво (СХД)
 President: Prof. Živoslav Tešić
 Website: www.shd.org.rs/HtDocs/SHD/SHD-index.htm



Slovak Chemical Society*Slovenská chemická spoločnosť*

President: Dr. Maria Omastova

Website: www.schs.chtf.stuba.sk**Turkish Chemical Society***Türkiye Kimya Derneği*

President: Prof. Erkan Baykut

Website: www.turchemsoc.org**Slovenian Chemical Society***Slovensko kemijsko društvo*

President: Prof. Venčeslav Kaučič

Website: www.chem-soc.si**Royal Society of Chemistry**

President: Prof. Lesley Yellowlees

Website: www.rsc.org**Spanish Royal Society of Chemistry***Real Sociedad Española de Química*

President: Prof. Jesus Jimenez-Barbero

Website: www.rseq.org**Spanish Society for Analytical Chemistry***Sociedad Española de Química Analítica (SEQA)*

President: Prof. Elena Dominguez

Website: www.seqa.es**National Association of Chemists of Spain***Asociación Nacional de Químicos de España (ANQUE)*

President: Prof. Ernesto Castañeda

Website: www.anque.es**Catalan Chemical Society***Societat Catalana de Química*

President: Prof. Romà Tauler

Website: www.blogs.iec.cat/scq**Swedish Chemical Society***Svenska Kemistamfundet*

President: Prof. Helena Grennberg

Website: www.chemsoc.se**Swiss Chemical Society**

President: Prof. Peter Kündig

Website: www.swiss-chem-soc.ch

EuCheMS Divisions and Working Parties

The scientific Divisions and Working Parties enhance networking in their own fields of expertise and promote collaboration with other European and international organisations. Among other things, the Divisions and Working Parties organise high quality scientific conferences in chemical and molecular sciences and interdisciplinary areas.



Chair: Professor Paul Worsfold
Email: P.Worsfold@plymouth.ac.uk

◆ Division of Analytical Chemistry

The EuCheMS Division of Analytical Chemistry is a network of chemical societies and their members working in all fields of analytical sciences. It gives a voice to the interdisciplinary field of analytical sciences. It is based in Europe and aims at close links to related institutions all over the world.



Chair: Professor Ilka Parchmann
Email: ilka.parchmann@uni-oldenburg.de

◆ Division of Chemical Education

The EuCheMS Division of Chemical Education has two goals: to look for new activities to promote chemical education research and practice in Europe and to improve the dissemination of information between countries.



Chair: Professor Walter Giger
Email: giger@giger-research.ch

◆ Division of Chemistry and the Environment

The overall aim of the EuCheMS Division of Chemistry and the Environment is to promote and support co-operation in the area of chemistry and the environment issues between the European chemical societies and their members.



Chair: Dr. Paola Turano
Email: turano@cerm.unifi.it

◆ Division of Chemistry in Life Sciences

The general aim of the EuCheMS Division of Chemistry in Life Sciences is to promote active collaborations, maintain effective communication, and disseminate knowledge among chemists in Europe working in the broad area of chemistry for life sciences. Achievement of these goals is pursued through networking activities, organisation of conferences and schools.



Chair: Professor Antonio Laganà

Email: lagana05@gmail.com

◆ Division of Computational Chemistry

The Division of Computational Chemistry networks the EuCheMS members exploiting the pervasive nature of computer science and technologies to enhance research and education in chemistry, molecular and materials sciences. Computational Chemistry research provides new understanding and development of procedures for simulating, designing and operating systems ranging from atoms and molecules to interactions of molecules in complex systems such as cells and living organisms. In this respect the division promotes the development of virtual research and education communities fostering collaborative activities between theoreticians and experimentalists, academics and professionals, teachers and students seeking innovation in all the production sectors where chemistry plays a part.



Chair: Professor Livia Simon Sarkadi

Email: sarkadi@mail.bme.hu

◆ Division of Food Chemistry

The Division of Food Chemistry aims are: to represent food chemical societies (or food sectors of chemical societies) at a European level; to be recognised as a European authority in all matters concerning food chemistry and to promote and harmonize the teaching of food chemistry within food science across Europe.



Chair: Professor Anna Trzeciak

Email: anna.trzeciak@chem.uni.wroc.pl

◆ Division of Inorganic Chemistry

The Division of Inorganic Chemistry provides a forum for the interdisciplinary field of inorganic chemistry and its applications. The Division aims at close links all over the world. It also aims to motivate national chemical societies to promote inorganic chemistry in their countries and to become the focal point of Inorganic Chemists in Europe. The Division promotes the dissemination of Inorganic Chemistry through its biennial Congress, or dedicated initiatives within the general EuCheMS Congress, and supports high-level education through specialist Schools and the production of dedicated books and other publications.



Chair: Professor Heinz Gäggeler

Email: heinz.gaeggeler@psi.ch

◆ Division of Nuclear and Radiochemistry

The Division of Nuclear and Radiochemistry is a network of societies and their scientists working in nuclear and radiochemistry throughout Europe and aims to have close links to related institutions all over the world. A broad communicative basis is achieved by cooperation with relevant supranational bodies such as IUPAC and IAEA as well as with journals and newsletters. It endeavours to establish and maintain the highest quality standards in science and research. DNRC accepts a role to harmonise education and training in all aspects of nuclear and radiochemistry and to offer a means of communication and collaboration between scientists working in the fields. The main objectives of the DNRC are to contribute to the advancement of nuclear and radiochemistry in Europe; to identify important areas in science, technology and other human activities relevant to nuclear and radiochemistry, and to stimulate actions in such fields; to address aspects of importance in or to nuclear and radiochemistry which need regulation, harmonisation, standardisation or codification, and to make recommendations as appropriate and to encourage cooperation between analytical chemists whether working in academia, industry or governance, in particular within the countries of the member societies of EuCheMS.



Chair: Professor Ilan Marek

Email: chilanm@techunix.technion.ac.il

◆ Division of Organic Chemistry

The EuCheMS Division of Organic Chemistry is currently composed of 27 member societies and has gained international recognition within the chemistry community. Since its creation, the Organic Division has been pro-active at various levels and was involved in the organization of numerous satellite symposia at the European Chemical Congresses. The Division also endorses on a regular basis a series of well-established and high-profile Conferences and Schools.

However, the EuCheMS Organic Division hallmark activity is the creation of the Young Investigator's Workshop (YIW) to further promote and recognize academic excellence in organic chemistry within (and outside) Europe. This annual event is deliberately held close to either the European Chemical Congress (EEC) or the European Symposium on Organic Chemistry (ESOC), as we encourage the attendees of the YIW to attend these events.



Chair: Professor Helena Grennberg
Email: helena.grennberg@kemi.uu.se

◆ Division of Organometallic Chemistry

The Division of Organometallic Chemistry will continue being an active, trusted, and sustainable voice of EuCheMS on any matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry, providing and coordinating activities such as congresses, schools and workshops of interest for students, researchers and others interested in or actively employing organometallic chemistry.



Chair: Professor Eckart Ruehl
Email: ruehl@zedat.fu-berlin.de

◆ Division of Physical Chemistry

The EuCheMS Division of Physical Chemistry aims to strengthen the interaction of physical chemists throughout Europe. The EuCheMS Division of Physical Chemistry integrates and coordinates its scientific activities with respective national and international activities of its members. The EuCheMS Division of Physical Chemistry strongly supports focused scientific meetings which are organized by active members in Physical Chemistry. Furthermore, the EuCheMS Division of Physical Chemistry aims to increase the networking and communication among its active members, which is expected to lead to a higher level of coordination and communication resulting in integration of topical national events into the EuCheMS Physical Chemistry Community.



Chair: Professor Martin Jansen
Email: m.jansen@fkf.mpg.de

◆ Division of Solid State and Materials Chemistry

The Division on Solid State and Materials Chemistry covers a highly multidisciplinary area of research, which embraces major sub-disciplines of chemistry such as inorganic, organic, physical, theoretical and analytical chemistry, and bridges to physics and engineering. Research in solid state and materials chemistry is not exclusively motivated by the quest for knowledge but is ultimately application-oriented, and thus has strong ties with industrial chemistry. As one basic objective, the Division aims to bring together the various sub-disciplines of the field, coordinating all activities with those of the already existing national associations. In particular, the Division runs biannually pertinent conferences and is striving to organize Symposia during the EuCheMS Chemistry Congresses in the intermittent years. Finally, the Division aims to enhance networking and promote education related to solid state and materials chemistry in Europe.



Chair: Dr. Nicola Armaroli

Email: nicola.armaroli@isof.cnr.it

● Working Party on Chemistry and Energy

The Working Party on Chemistry and Energy is a network of members of EuCheMS societies working in all fields of chemistry related to energy science and technology in their broadest sense.

The Working Party aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical and political level to advocate the leading role of chemistry in contemporary energy research. It further looks for synergies with other EuCheMS divisions and WPs on topics of common interest. The main objective is to organize conferences and workshops on energy-related topics in cooperation with other scientific, industrial and political stakeholders at the European as well as national levels.

Moreover, the WP aims to support activities, organize platforms, attract funding, enhance networking and promote education related to energy and chemistry in Europe.



Chair: Professor Rocco Mazzeo

Email: rocco.mazzeo@unibo.it

● Working Party on Chemistry for Cultural Heritage

The Working Party is a network of representatives from EuCheMS member societies working in chemistry for cultural heritage. It aims to make links all over the world. The Working Party aims to collaborate closely with the professional conservation community eg. IIC, ICOM-CC, ENCoRe etc. It aims to motivate and assist the national chemical societies in promoting the interest and knowledge of the relation between chemistry and cultural heritage in their countries.



Chair: Professor Pietro Tundo

Email: tundop@unive.it

● Working Party on Green and Sustainable Chemistry

The Working Part on Green and Sustainable Chemistry is a network of members of EuCheMS societies working in all fields of chemistry related to “The invention, design and application of chemical products and processes to reduce or to eliminate the use and generation of hazardous substances”.

The Working Party aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical and political level to advocate the leading role of chemistry in contemporary green research. It further looks for synergies with other EuCheMS Divisions and WPs on topics of common interest. The main objective is to organize conferences and workshops on energy related topics in cooperation with other scientific, industrial and political stakeholders at the European as well as national levels.

Moreover, the WP aims to support activities, to organize platforms, attract funding, enhance networking and promote education related to Green and Sustainable Chemistry in Europe.



Chair: Dr. Brigitte Van Tiggelen
Email: vantiggelen@memosciences.be

◆ Working Party on History of Chemistry

The Working Party on History of Chemistry is a network of members of EuCheMS societies working in all aspects of the history of chemistry in their broadest sense. Over the years, the international conferences organized by the WP every other year have become a key event in the broader history of science community, gathering chemists and historians, from all over Europe and far beyond to investigate and discuss the latest research and reflections on a wide variety of aspects of the history of the molecular sciences. On top of this main objective, the WP has led several projects to promote chemistry through its history, and serves as a platform for international networking to this aim.



Chair: Professor Hartmut Frank
Email: hartmut.frank@uni-bayreuth.de

◆ Working Party on Ethics in Chemistry

The Working Party is a network of representatives of EuCheMS member societies to promote the understanding of the involvement and importance of ethical considerations in all areas of the education and practice of chemical research and applied chemistry.



Chair: Frederique Backaert
Email: frederique.backaert@eycn.eu

◆ European Young Chemists' Network

EYCN is the younger members division of the European Association for Chemical and Molecular Sciences (EuCheMS). Every chemist under 35 within the EuCheMS framework is part of EYCN.

The aim of EYCN is to promote the exchange of information among chemists in European industry, academia, professional institutions and European government bodies. Moreover, it provides a communication gate for all areas of chemistry within Europe and also to the rest of the world.

EYCN forms an organized and united opinion to represent the European voice in science and education and provide the platforms to generate and expand new ideas that contribute to the future role of chemistry and molecular sciences in the European society.

It also bridges the gap between academics and industry by organizing shared activities, promoting discussion and handover of experience at an informal level.

Annual reports of EuCheMS Divisions/WPs/EYCN

1. Division of Analytical Chemistry

The 2012 Annual Meeting (43rd Meeting of EuCheMS-DAC) was held in Prague, Czech Republic, the venue for ECC4. Sixteen EuCheMS Societies were represented. The Steering Committee membership for 2012-2013 was Paul Worsfold (Chair, Royal Society of Chemistry), Wolfgang Buchberger (Secretary, Austrian Society for Analytical Chemistry), Slavica Razic (Web Secretary, Serbian Chemical Society), Jiri Berek (Czech Chemical Society), Maciej Jarocz (Polish Chemical Society) and Christian Rolando (Société Chimique de France).

The highlight of the year was the successful Analytical Chemistry contribution to the 4th European Chemistry Congress in Prague, Czech Republic, 26-30 August 2012. These contributions were organized by Prof Jiri Berek, the DAC representative for the Czech Chemical Society. These contributions spanned a number of thematic areas, including; Electroanalytical methods; Life Sciences, Clinical and environmental applications, Separation methods and Electrochemistry, analysis and sample manipulation.

DAC has 5 active Study Groups; 'Education in Analytical Chemistry'; 'Quality Assurance and Accreditation'; 'History'; 'Bioanalytics'; and 'Chemometrics' and a Task Force on 'Archaeometry and Cultural Heritage'.

Short-term future activities include preparation for Euroanalysis 2013 in Warsaw, Poland, writing the European Analytical Column and two Letters of Information, migrating the DAC website to the EuCheMS website, reviewing activities of the Study Groups/Task Forces and considering suggestions for new Study Groups/Task Forces.

The key longer term activities are succession planning for Euroanalysis conferences and DAC governance and enhancing the visibility and impact of DAC within the Analytical Chemistry community.

Chair:	Prof. Paul Worsfold (Royal Society of Chemistry), 2011-2013
Secretary:	Prof. Wolfgang Buchberger (Austrian Society for Analytical Chemistry)
Members:	36 active delegates
Countries:	31 (Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Luxembourg, Macedonia, Montenegro, The Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, UK)

2. Division of Chemical Education

Chair activities and exchange with EuCheMS and other organisations

Mariann Holmberg participated in the General Assembly of EuCheMS in 2012. One major task was to contact other divisions about the idea of including chemistry education in their sessions at the next European Chemistry Congress. Ilka Parchmann has an ongoing exchange with Helena Grennberg on this issue and suggested some possible topics, together with the vice chairs and secretary.

Additionally, a joint symposium about education, history, culture and ethics of chemistry is also planned for the next ECC, following up the success of the joint symposium in Prague.

During the annual division meeting 2013 in Limerick, Dragica Trivic was elected as the new Vice Chair, replacing Iwona Maciejowska who had received great compliments from the division for her work in the past.

Meetings and Conferences

The division holds two biannual conferences: (1) ECRICE – European Conference on Research in Chemical Education, and (2) European Variety Conference focusing on chemistry education on tertiary level.

In 2012, the annual conference was held in Rome, for the first time ever as a joint ICCE/ECRICE in cooperation with the division of chemistry education of IUPAC. According to numbers of participants and the quality of the program, the conference was a great success:

- 574 registered participants from 71 countries
- 624 submitted papers (peer reviewed)
- 356 oral presentations, 237 posters

Outstanding plenary speakers included Harold Kroto and the current ACS-president, Bassam Shakashiri

As reported before, the division was also involved in a strand on history, ethics and education at the ECC in Prague, Czech Republic, in August 2012. The chair and the vice chair presented results of cooperative projects from the division and the European Chemistry Thematic Network.

The 2013 European Variety Conference was held in Limerick, organized by the former chair of the division, Peter Childs, and his group. The annual meeting of the division was also connected to this conference. Nearly 80 people attended from around Europe and further afield, mostly university lecturers in chemistry or science education lecturers preparing second-level chemistry teachers. Postgraduate students also participated. The programme consisted of 5 plenary lectures, 4 workshops, 41 oral papers and 8 posters. There was a lively discussion at the poster reception and then at each coffee break.

The next Eurovariety conference will be held in Estonia in 2015.

Joint activities with ECTNA / EC2E2N

The joint workpackage 12 of the last EC2E2N framework, looking at teacher education in Europe and aiming at the de-

Chair:	Prof. Ilka Parchmann (German Chemical Society)
Vice Chairs:	Prof. Dragica Trivic (Serbian Chemical Society), Mariann Holmberg (Finnish Chemical Society)
Secretary:	Paul Yates (Royal Society of Chemistry)
Members:	24 active delegates
Countries:	19 (Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, The Netherlands, Poland, Serbia, Sweden, Turkey, UK).

velopment of a framework for Chemistry Teacher Education in Europe, has been summarized and presented at the ECC in Prague. The new program, chaired by the vice chair of the division, Iwona Maciejowska, started and had a first meeting in spring 2013. The title of the new WP1 is "Towards Excellence in School and University Teaching" and combines aspects of secondary and tertiary training and education.

The next meeting in Antwerp in October will focus on the collection of best-practice examples for pre-service teacher training and the design of an EChemTest for Chemistry Education.

Joint activities with IUPAC

Ilka Parchmann participated at the IUPAC ECC meeting again this year, which was held attached to the IUPAC congress in Istanbul. She is also involved in two projects, one about standards at school level and the other one about Learning Objectives and Learning Outcomes at the tertiary level.

3. Division of Chemistry and the Environment

The division organizes the biennial EuCheMS International Conferences on Chemistry and the Environment (ICCE). The 14th ICCE 2013 was held 25-28 June in Barcelona, Spain (www.icce2013.org). The hosts were the Catalan and Spanish Chemical Societies with the DCE delegates Eric Jover and Santiago Luis as co-chairs together with Roma Tauler, who chairs the Catalan Chemical Society. The conference was attended by 500 registered participants from 49 countries.

Four satellite events with 36 oral presentations took place on 25 June dealing with the following topics:

- A. Alternative Flame Retardants: Analysis, Occurrence and Exposure
- B. Mining and Environment: Old Problems and New Solutions
- C. Illicit Drugs in Wastewaters
- D. Cyanobacteria and Cyanotoxins in Aquatic Environments

The satellite events C and D were co-organized with the Division of Environmental Chemistry of the American Chemical Society.

The conference program included 4 plenary lectures and 110 oral presentations in 3 parallel sessions. In addition, 370 posters were presented.

The EuCheMS DCE Career Award 2013 was given to Prof. Joan Albaiges from Barcelona in recognition of his contribution to environmental chemistry over several decades.

The publication organ of DCE is the journal *Environmental Science and Pollution Research* (ESPR), which has experienced an extraordinary growth since 2009.

Submitted manuscripts: 515 (2010), 1'075 (2011), 2'012 (2012), 2'100 (2013 until September)

Published articles: 96 (2009), 160 (2010), 166 (2011), 410 (2012), 614 (2013 until September)

The French DCE delegate Philippe Garrigues has acted as as Editor-in-Chief of ESPR since 2011. Five DCE delegates are Editors: Ake Bergman, Walter Giger, Ester Heath, Roland Kallenborn and Gerhard Lammel. Six DCE delegates are members of the Editorial Board.

In November 2013, ESPR published a Special Issue on Mining and the Environment – Understanding Processes, Assessing Impacts and Developing Remediation based on contributions to a symposium at the EuCheMS Chemistry Congress 2012 in Prague. Guest Editors, Jürg Zobrist and Walter Giger handled the 35 published articles.

DCE delegates have proposed key elements for the 5th ECC 2014, including plenary lectures, main congress themes, symposia topics and conveners. Under the leadership of the member of the scientific committee, Manfred Grasserbauer, the programme was developed for the main theme, Resources and Environment with five topics. Discussions are continuing with the Division of Environmental Chemistry of the American Chemical Society in order to pursue collaborative efforts at ECC 2014.

The ICCE 2015 will be held 22-25 September 2015 in Leipzig, Germany.

Chair:	Prof. Walter Giger, (Swiss Chemical Society), 2009-2014
Vice Chair:	Prof. Ake Bergman, (Swedish Chemical Society), 2009-2014
Secretary:	Prof. Willem de Lange, (Royal Netherlands Chemical Society)
Members:	27 active delegates
Countries:	23 (Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, France, Germany, Greece, Finland, Hungary, Israel, Italy, Norway, Poland, Portugal, Serbia, Slovenia, Spain and UK).

4. Division of Chemistry in Life Sciences

The 5th European Conference on Chemistry for Life Sciences (5th ECCLS), organized by Ernest Giralt, was held successfully in Barcelona, Spain from Monday 10th to Wednesday 12th, June 2013. The Symposium hosted more than 200 participants from 26 countries. The majority of the participants came from Europe, but also from Algeria, Azerbaijan, Brazil, Egypt, Iran, Israel, Japan, Korea, Taiwan, USA and China. The meeting had several scientific highlights mostly from the areas of molecular recognition, synthesis of biologically active compounds, modulation of protein-protein interactions, light control of biomolecular processes and conformational analysis of biomolecules.

Thanks to the initiative of our Division, EUChEMS has sponsored two other main events: XII International Symposium on Inorganic Biochemistry – Collaboration and Beyond (28 August – 1 September 2013, Wrocław, Poland), chaired by Henryk Kozłowski. The Symposium is a renowned event for bioinorganic chemists and this year consisted of more than 40 talks covering the main aspects of biological inorganic chemistry: model compounds, metalloenzymes, metal transport, exploitation of the spectroscopic properties of metal ions for bioimaging.

The 12th Chianti Workshop on BioNMR (17-22 June, Montecatini, Italy), co-chaired by Ivano Bertini (Univ. of Florence) and David Fushman (Univ. of Maryland). The workshop focused on the most innovative aspects of Magnetic Resonance applied to Life Sciences and in particular to structural

biology and bioimaging. This edition was attended by more than 120 participants from 18 countries.

All these events had a strong interdisciplinary character, thus facilitating contacts and promoting collaborations among scientists working in the fields of basic chemistry, biology, spectroscopy, biophysics, pharmaceutical chemistry and biomedicine. The Chianti Workshop was an occasion to strengthen the links between the Division and the BMS Biological and Medical Sciences (BMS) of the European Strategy Forum for Research Infrastructures (ESFRI) roadmap INSTRUCT (Integrated Structural Biology). The XII International Symposium on Inorganic Biochemistry hosted as satellite events the FP7-PEOPLE-2011-IRSES Workshop Design and elaboration of novel topological drugs based on cage compounds “CAGEDRUGS” and the VISBY Workshop “Development and reactivity studies of biomimetic metal complexes and bioinspired catalysts” (Swedish Institute’s Baltic Sea Region Exchange Program).

Through its secretary Nick Westwood, member of the International Scientific Committee of the 5th EuChEMS Chemistry Congress, the Division of Chemistry in Life Science, in collaboration with the Division of Nuclear and Radiochemistry, has planned sessions on bioimaging. Thanks to the fundraising activities of the organizers and the generosity of a number of national societies, foundations and private companies, grants have been offered to facilitate the participation of young scientists.

Chair:	Dr. Paola Turano (Italian Chemical Society), 2012-2014
Secretary:	Dr. Nicholas Westwood (Royal Society of Chemistry), 2012-2014
Treasurer:	Prof. Ernest Giralt (Royal Society of Chemistry of Spain), 2012-2014
Members:	22 active delegates
Countries:	22 (Austria, Belgium, Denmark, France, Germany, Greece, Hungary, Israel, Italy, The Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Sweden, Switzerland, Russia, UK, Ukraine).

Looking forward to increased involvement of all national societies, we initiated a renewal of the member delegates; with new delegates from Sociedade Portuguesa de Quimica and Royal Netherlands Chemical Society.

In 2015, the 6th European Conference on Chemistry for Life Sciences (6th ECCLS) will be organized in Lisbon by Sofia Pauleta, from the Sociedade Portuguesa de Quimica.

The Division plans to continue supporting well established series of conferences and to strengthen relationships with EU Research Infrastructures to promote networking activities.

5. Division of Computational Chemistry

During the last year the division had an active participation in the EuCheMS Conference ECC4 (29 August 2012) by both delivering several invited and contributed talks within the Physical, Theoretical and Computational Chemistry sessions and by organizing the round table “Where does modern computational chemistry go”.

As usual in the odd-numbered years, the Division held the 9th European Conference on Computational Chemistry (EUCC9) in Sopron, Hungary from the 1-5 September, 2013 (see www.euco-cc9.mke.org.hu) articulated in the following sessions: Computational chemistry of non-covalent interactions I and II, Cutting-edge quantum chemistry I and II, Computational chemistry of solid states and surfaces I and II, Bridging grid- and super-computing for chemical calculations I and II, Computational chemistry of biomolecules I and II, Bioinformatics and molecular modelling in drug discovery I and II. The conference concluded with a Banquet dedicated to the celebration of Prof. Gábor Náray-Szabó.

The Conference was followed by the Second Annual Workshop of the Joint Doctorate Program on Theoretical Chemistry and Computational Modelling (TCCM) an important ac-

tivity gathering together the PhD students of a consortium of 14 European Universities coordinated by the Universidad Autónoma de Madrid (Spain), for the purpose of presenting and discussing the work done and the future plans of their Doctoral theses.

The division has also supported other conferences promoted by its members.

Leveraging on the conclusions of the round table “Where does modern computational chemistry go?” held at the EuCheMS Conference ECC4 during the previous year, the Division discussed a white paper “A Modern Approach to Ab Initio Computing in Chemistry, Molecular and Materials Science and Technologies (approved by the council at its annual meeting (see issue 3 of the e-magazine *Virt&I-comm* <https://www3.compchem.unipg.it/ojs/index.php/ojs/article/view/44>)). The white paper prompted a productive interaction with the Virtual Organizations COMP-CHEM, GAUSSIAN and CHEM.VO.IBERGRID.EU of the European Grid Infrastructure and has led to the forming of a Virtual Team aimed at establishing a Virtual Research Community for Chemistry, Molecular and Materials Sciences and Technologies.

Chair:	Prof. Antonio Laganà, 2011-2013
Vice Chair:	Prof. Péter Szalay (Hungarian Chemical Society), 2011-2013
Secretary:	Frank Oellien (German Chemical Society), 2011-2013
Members:	24
Countries:	22 (Austria, Czech Republic, Cyprus, Denmark, Finland, France, Germany, Hungary, Israel, Italy, Norway, Macedonia, Poland, Portugal, Russia, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Turkey, UK)

6. Division of Food Chemistry

Short description of key past activities

A series of conferences, workshops and specialized courses was organized:

Chemical Reactions in Food

Prague, Czech Republic, 14-16 November 2012

www.crf2012.eu

233 participants, 36 countries, 4 continents, 37 lecturers, 10 young scientists, 220 posters, 2 companies, 3 media partners

Eurofoodchem XVII

Istanbul, Turkey, 7-10 May 2013

www.eurofoodchemxvii.org

EuroFoodChem XVII International Conference was organized by Hacettepe University and the Food Chemistry Division of EuCheMS on 7-10 May 2013 in Istanbul, Turkey. EuroFoodChem XVII was planned to connect the East and West in Istanbul, right at the crossroads of different continents and cultures. It was the first major scientific event jointly organized by Hacettepe University and EuCheMS. The conference was endorsed by ICC and the MoniQA Association.

EuroFoodChem XVII had more than 700 participants from 75 countries, addressing researchers, policy makers and regulatory bodies, industries and SMEs in the areas of food production, as well as students and professionals who would like to get up-to-date information and to establish international collaborations.

7th International Congress on Pigments in Food

Novara, Italy, 18-21 June 2013

pif2013@pif2013.org

In Vino Analytica Scientia

Reims/France, 2-5 July 2013

www.univ-reims.fr/site/evenement/in-vino-analytica-scientia-2013/in-vino-analytica-scientia-symposium-2013,14565,25087.html?

Organised in cooperation with the Division of Analytical Chemistry.

EuroAnalysis 2013 Conference

Warsaw, Poland, 25-29 August 2013

www.euroanalysis2013.pl

Organized in cooperation with the Division of Analytical Chemistry

12th International Symposium: Prospects for the 3rd Millennium Agriculture

Cluj-Napoca, Romania, 26-28 September 2013

The Vice-rectorat for Research and Innovation from the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca organised this symposium in cooperation with the EuCheMS Division & Food Chemistry

7th International & 9th Croatian Congress of Cereal Technologists "Flour-Bread '13"

Opatija, Croatia, 16-18 October 2013

Cocotea 2013

Naples, Italy, 9-11 October 2013

www.cocotea2013.org

Chair:	Prof. Livia Simon-Sarkadi (Hungarian Chemical Society), 2012-2014
Secretary:	Prof. Michael Murkovic (Austrian Chemical Society), 2012-2014
Treasurer:	Prof. Mariusz Piskula (Polish Chemical Society), 2012-2014
Members:	58 active delegates; 2 invited persons
Countries:	34 (Albania, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Israel, Italy, Latvia, Lithuania, Macedonia, The Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine, UK, Uzbekistan).

3rd MS Food Day

Trento, Italy, 9-11 October 2013

<http://eventi.fmach.it/MS-Food-Day>

Recent Advances in Food Analysis

Prague, Czech Republic, 5-8 November 2013

www.rafa2013.eu

Short-Term Future Activities

38th International Symposium on Environmental Analytical Chemistry

17-20 June, 2014

5th EuCheMS Chemistry Congress

Istanbul, Turkey, 31 August – 4 September 2014

Eurofoodchem XVIII, 2015

Madrid, Spain, 13-16 October 2015

6th EuCheMS Chemistry Congress

Seville, Spain, 11-15 September 2016

Key activities 2020:

- The Euro Food Chem conference series will continue on a biennial basis;
- Support for the development of young scientists will stay an issue for the next period

7. Division of Inorganic Chemistry

During the three last years with the Board and the Executive Committee we have been engaged in generating the most suitable conditions for the growth of the new baby, our Division. We decided to start three activities, namely: i) the biennial Conference, ii) special events in occasion of the general EuCheMS Conference and iii) The Schools. Without any financial means and in absence of any support, it appeared a hard programme, but it was fully implemented.

EICC-1 was held in Manchester in 2011. It was a great success with more than 250 participants, many from overseas. The role played by the RSC has to be emphasized. Noteworthy, that Conference left a budget that allowed to pay 20 boursaries to young PhDs during this EICC-2. I thank very much the UK colleagues and the RSC for their strong support and appreciate the work done for the organization of this event.

During EuCheMS-4 (August 2012) in Prague, the DIC organized two major events: The Young Inorganic Chemistry symposium that gathered many young researchers as speakers, and the Symposium on the Utilization of CO₂. The latter was attended by more than 250 persons and the organizers Rudy vanEldik and Michele Aresta have edited a book (the Chapters are now under revision), dedicated to the specific theme, for the Advanced Inorganic Chemistry series.

A School was organized in Bari on "Inorganic micro and nano-materials: synthesis and characterization". The School lasted for 5 working days and was attended by some 50 PhD students from several EU Countries. Three prizes were delivered to the best posters. The lectures (except three) have been collected in a book, edited by A. Dibenedetto and M Aresta, that will soon be published by De Gruyter (September 2013).

EICC-2 has also been a great success, with excellent plenaries and key-notes and many young chemists presenting their results. Jerusalem was a unique frame to our work. Thanks to Dan Meyerstein for the excellent organization.

DIC has also been strongly engaged in the organization of EuCheMS-5, Istanbul 2014. The Chair at the beginning and now Peter Edwards have given a strong push to emphasize the central role of Inorganic Chemistry in our society and life.

The start for the Division was not easy but, I believe, we had three very successful years. It will be the duty of the new Board to continue and increase the success of our activities and make the Division stronger and central to the life of EuCheMS.

Report by Michele Aresta, Chair at the end of the three year mandate.

Chair:	Prof. Anna Trzeciak (Polish Chemical Society), 2013-2016
Vice Chair:	Prof. Claudia Wickleder (German Chemical Society)
Secretary:	Dr. Konrad Herbst (Danish Chemical Society)
Members:	28 active delegates
Countries:	26 (Albania, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Montenegro, The Netherlands, Norway, Poland, Portugal, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, UK)

8. Division of Nuclear and Radiochemistry

As any odd year, 2013 has been a year without a European Nuclear- and Radio-chemistry (NRC) conference, because the most recent one – NRC8 in Como (Italy) – took place shortly before the 2012 EuCheMS General Assembly. Therefore, in 2012/2013 the activities of the Division of Nuclear- and Radio-chemistry (DNRC) concentrated on regular business and the preparation of future activities. A number of topical conferences took place in the reporting period in various sub-fields of NRC such as e.g. the chemistry of nuclear fuel cycle (Atalante 2012) or the chemistry of super heavy elements. Also, for DNRC, 2013 was the year of division chair elections.

The division's activities may be summarised into the following bullets:

- 1) DNRC was actively involved in the preparation of the 5th European Chemistry Congress, to take place in Istanbul in 2014. Negotiations with other EuCheMS divisions led to the preparation of proposals to Theme E-Chemistry for and in Life Sciences that we hope to finalise during the Budapest meeting.
- 2) DNRC has been supervising the on-going organisation of the next European Nuclear- and Radio-chemistry Conference – RadChem 2014, to take place in Mariánské Lázně, Czech Republic, in 2014.
- 3) DNRC decided on the place and time for the next NRC conference after RadChem 2014 – it has been scheduled for Helsinki in September 2016. On its 2013 Annual meeting DNRC approved the composition of the international advisory board for this conference.
- 4) The most important components of regular business have been editing the DNRC Newsletter and maintaining the DNRC page on the EuCheMS website. The most recent issue of the NEWSLETTER, No. 49, can be downloaded from the EuCheMS website.
- 5) Last but not least, election of the new DNRC chairman, starting 1 January 2014, took place during the DNRC Annuals Meeting in Brighton on 11 September 2013. By a unanimous vote, Prof. Nicholas D. M. Evans, PhD MSc CChem CSci, Loughborough University, UK was elected the DNRC chairman for the next period.

Chair:	Prof. Heinz W. Gäggeler (Swiss Chemical Society), 2010-2013 Prof. Nick Evans (Royal Society of Chemistry), 2014
Secretary:	Prof. Jan John (Czech Chemical Society)
Members:	23 active members
Countries:	23 (Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Montenegro, The Netherlands, Norway, Poland, Portugal, Russia, Serbia, Slovak Republic, Spain, Sweden, Switzerland, Turkey, UK)

9. Division of Organic Chemistry

EuCheMS Organic Division Members

The list of EuCheMS Organic Division Members was discussed. VG reported that I. Marek (IM) contacted the Polish Chemical Society to propose Prof. Karol Grela as their representative. Currently, exchanges with Russia and Serbia proved challenging and potential new representative members will be identified and approached (cf. Prof. Valentin Ananikov from Zelinsky Institute). The Executive felt that new members should be identified in due time to replace current members who have served one or two terms (one term = 3 years). This procedure is coherent with the guidelines for Divisions and Working Parties, provided by EuCheMS.

Young Investigator Workshop

The 5th Young Investigator Workshop (YIW)
(http://esoc2013.eu/workshop_01.html)

This took place on 4-6 July 2013 in Marseille, France as a parallel event to ESOC-13. On this occasion, the local organizing committee was composed of five young researchers working in the STEREO research group of the "Institut des Sciences Moléculaires de Marseille" with the assistance of Prof. Michael Schnürch (TU Wien). Sponsors included Thieme Verlag, ISCN, ESOC 2013, Sigma-Aldrich, VWR, STereO, la Federation Chimique de Marseille, SCF-PACA, Novartis, Syngenta and Janssen totaling a budget of 13,240.00 Euros. The 5th YIW mentored by Prof. C. Moberg and Prof. Schnürch feature three industrial speakers in addition to the 21 young academics selected by their member society to be among the rising stars. The lectures were

of high quality and spanned broad aspects of fundamental and applied chemistry. In all, 24 young investigators from 23 countries participated. The core was focused on Europe but representatives from North America, Canada as well as China attend by special invitation.

The event was supported by Thieme Chemistry and all participants of the YIW were invited to submit a paper to Synlett. These papers will be assembled to compose a special issue in the journal. The Executive agreed that this type of arrangement should continue in future years as this will contribute to increasing the visibility of the YIW.

The Executive agreed that the ACS presence, the participation of US, Canada and China, at the YIW was beneficial and proposed to open up the workshop to South America and Africa if a robust funding mechanism can be secured. To keep the Eurocentric character of the Workshop, it was agreed to limit the number of non-EU participants to 1 per country (except ACS USA that is inviting 2 Europeans young scientists to the equivalent ACS meeting). The Executive supported warmly Prof. Nikos Chronakis who will organise the YIW 2014 in Cyprus as an event tagged to ECC5 (Turkey). The Executive insisted that all YIW participants should attend ECC5. YIW 2015 will take place prior or after ESOC 2015 (Chair A. Echavarren).

New Developments for the Division

The Executive reiterated the importance of a pro-active approach to raising funds to support the Organic Division.

Chair:	Prof. Ilan Marek (Israel Chemical Society), 2012-2014
Secretary:	Prof. Veronique Gouverneur (Royal Society of Chemistry), 2012-2014
Treasurer:	Prof. Nick Gathergood (Institute of Chemistry of Ireland), 2012-2014
Members:	27 active delegates
Countries:	27 (Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Latvia, Lithuania, The Netherlands, Norway, Poland, Portugal, Russia, Serbia, Spain, Sweden, Switzerland, Turkey, UK).

These funds will be used to sustain excellence in organic chemistry within Europe; this could be achieved with the continuation of the YIW scheme, by supporting young European researchers to attend prestigious conferences (e.g. bursary, traveling grants), creating a named lectureship as well as awards/prizes rewarding our best scientists. The names of all sponsors will be gratefully acknowledged as appropriate. It was proposed that Industrial companies should be approached to attract support.

The Executive endorsed strongly the idea to initiate the creation of a yearly Young Investigator Award. In order to help young European organic chemists to progress in their career, Prof J. Bode suggested that the presence of Editors-in-Chief of key journals and representative of the European Research Council (ERC) at future YIW could be very beneficial for all participants. The Executive strongly agreed with this suggestion.

Prof. B. Feringa (BF) suggested that the YIW should include a pro-active session allowing all participants to present fresh ideas on how the Executive of EuChemS OD can assist them developing their careers; BF also suggested that all participants could contribute an article capturing the highlights of the YIW as well as papers (Commentary type, News and Views) commenting on a particular piece of science. These articles may become suitable for publication, should an appropriate mechanism be in place (e.g. web site or via publishers).

The Executive felt that the division should be more involved in the organization of ECC5.

It was suggested to liaise closely with Professor Helena Grennberg (Uppsala, SE).

Upcoming Meetings

European Symposium on Organic Reactivity

Prague, Czech Republic, 1-6 September 2013
www.esor2013.cz/en/4738-welcome-to-esor-2013.html

European Winter School on Physical Organic Chemistry (e-WISPOC 2014)

Bressanone, Italy, 2-7 February 2014
www.chimica.unipd.it/wispoc/pubblica

49th EUCHEM Conference on Stereochemistry – “Bürgenstock Conference”

Brunnen, Switzerland, 4-9 May 2014
www.stereochemistry-buergenstock.ch

5th EuCheMS Chemistry Congress

Istanbul, Turkey, 31 August – 4 September 2014
www.euchems2014.org

6th EuCheMS Chemistry Congress

Sevilla

10. Division of Organometallic Chemistry

Key past activities

The Division organizes a broad scope European conference on organometallic chemistry (EuCOMC, previously FEICHEM) on odd years, the 2013 event being the 20th in the series. This is and has been an important meeting point for researchers from all parts of Europe for four decades.

Most important recent achievements.

30 June – 4 July 2013: At the XX EuCOMC in St Andrews around 450 participants (the maximum capacity of the “all inclusive” venue) enjoyed an excellent scientific as well as social program. This was a double celebration being the 20th in the division series (Host: D. Cole-Hamilton) and as a part of the celebration of the 600th anniversary of the University of St Andrews.

13-14 March 2013: Launch of an informal zero-budget workshop format, on this occasion targeting the community in the Nordic countries. (Host: T. Repo; location: Helsinki, participation from FIN, NOR, SWE, academia as well as industry)

30 August – 3 September 2013: The 9th international school of organometallic chemistry at Camerino, Italy (chair of organization: Claudio Pettinari); this year subtitled Organometallic Systems to Sustain a Better Future.

Challenges: (a) Expanding the activity portfolio by developing mutual benefit collaborations with organizers of i.e. summer/winter schools and smaller congress/workshop events related to organometallic chemistry. (b) Building a sustaina-

ble governance structure of the division. (c) Developing constructive mutual and long-term cooperation with more newly established disciplinary divisions such as organic, inorganic and physical chemistry on matters of common interest.

Short-term future activities 2014: At least one zero-budget workshop envisaged. 2015: XXI EuCOMC, Bratislava. Host: Martin Putala, Slovak Chemical Society in collaboration with Jan Cermak, Czech Chemical Society.

Vision for 2020

- (a) Constructive, collaborative and successful involvement in the organization of the 8th EuCheMS chemistry congress 2020, as well as in the forward planning of the 9th and 10th ECC.
- (b) Active planning and execution of divisional activities for the scientific community, including our EuCOMC series.
- (c) Being an active and trusted voice of EuCheMS on any matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry, including sustainability

Chair:	Prof. Helena Grennberg (Swedish Chemical Society), 2007-2013
Chair elect:	Prof. Jan Cermak (Czech Chemical Society)
Members:	25 active delegates
Countries:	26 (Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Latvia, The Netherlands, Norway, Poland, Portugal, Russia, Slovak Republic, Spain, Switzerland, Sweden, Turkey, UK).

11. Division of Physical Chemistry

Short Description of Key Past Activities

The Physical Chemistry Division was founded in fall 2010. The second General Assembly of the Physical Chemistry Division took place in Prague, Czech Republic (26 August 2012). The third General Assembly was held in Karlsruhe, Germany (9 May 2013).

Scientific Activities

Shaping the scientific activities of the Physical Chemistry Division was the primary task during the reporting period (especially contributions to shaping the 4th and 5th EuCheMS Chemistry Congresses). The concept of annual Physical Chemistry Meetings, where all EuCheMS Member societies are kindly invited, has been continued. In 2012 this was coincident with the 4th EuCheMS Chemistry Congress (Prague), where for the first time a session on physical and computational chemistry was included in the program. In spring 2013 the second EuCheMS Forum on Physical Chemistry was jointly included in the 112th General Assembly of the German Bunsen Society for Physical Chemistry (Karlsruhe, Germany, 9-11 May 2013). Furthermore, new activities in terms of physical chemistry meetings that are approved by the EuCheMS Physical Chemistry Division have been established since 2012/2013. We receive, in a bottom-up approach from the European physical chemistry community, initiatives for scientific meetings, which are evaluated regarding their support by the EuCheMS Physical Chemistry Division. To date five such conferences/workshops have been approved since last year, which documents the interest and acceptance of this concept by the community.

Contact to EuCheMS Divisions

The president of EuCheMS requested in fall 2012 that the EuCheMS Physical Chemistry Division should get in touch with the not quite active EuCheMS Electrochemistry Division. This was meant to find out if synergies in joint activities could be found or even if merging both divisions could be considered. This issue was discussed in detail at the General Assembly of EuCheMS Physical Chemistry Division. Contact between both divisions was successfully established in summer/fall 2013. There, it was agreed with the co-chair of the EuCheMS Electrochemistry Division, Prof. Dr. Britta Lindholm-Sethson, to exchange ideas in the near future. Furthermore, EuCheMS Physical Chemistry Division invites every year all member EuCheMS Societies to join the General Assembly. Joint sessions with other Divisions/Working Parties for the 5th EuCheMS Chemistry Congress are currently under consideration (e.g. with Division of Chemistry and the Environment).

Education

Efforts have been made to get in touch with ECTN (Prof. Dr. Antony Smith (Lyon, France) and Prof. Dr. Evangelia Varela (Thessaloniki, Greece)) as well as the German Bunsen Society with the emphasis on defining educational standards in physical chemistry. Specifically, ECTN has shown interest to receiving feed-back from EuCheMS Physical Chemistry Division on tests for students on physical chemistry, but as yet no specific information has been provided. Curricula in physical chemistry were discussed within the German Bunsen Society. Their harmonization would be of interest to in-

Chair:	Prof. Eckart Rühl (German Bunsen Society for Physical Chemistry), 2011-2013
Vice Chair:	Prof. Dr. Dusan Velic (Slovak Chemical Society)
Member:	18 active delegates
Countries:	15 (Austria, Cyprus, Czech Republic, France, Germany, Israel, Italy, The Netherlands, Portugal, Slovak Republic, Slovenia, Spain, Switzerland, Turkey, UK).

crease the mobility of students within Europe. It is clear that this is a long-term effort, which requires a suitable start.

Stating the Most Important Recent Achievement

EuCheMS Physical Chemistry Division has consolidated and widened its scope of activities during the reporting period to reach the goals for 2020 (see below).

Challenges

Despite the continued success of the Physical Chemistry Division, we seek more active members from all countries/member organizations participating in EuCheMS. Active support by EuCheMS is highly desired in order to come closer to this goal. During the last year we received increased interest, but this process needs to be further pursued.

Short-Term Future Activities

The 5th EuCheMS Chemistry Congress (2014, Istanbul) is currently shaped, e.g. by joint symposia with other divisions. Suitable scientific overlap appears to be with the divisions Chemistry and the Environment, Analytical Chemistry, Electrochemistry, Organometallic Chemistry.

We got a significant step closer to the novel conference format "European Physical Chemistry Conference", running every second year, when no EuCheMS Chemistry Congress is scheduled. Therefore, for 2015 it is planned to run the first of such conferences in Italy.

We will pursue the portfolio of activities mentioned above in order to increase the impact of the EuCheMS Physical Chemistry Division.

Key Activities 2020

We made a significant step closer to the following goals: The EuCheMS Physical Chemistry Division coordinates and shapes the European activities in physical chemistry, which is done in close collaboration with the active EuCheMS member societies and other EuCheMS Divisions/Working Parties. There will be specific emphasis on the needs of young researchers and students. This includes EuCheMS Chemistry Congresses, scientific workshops and conferences, educational issues (including recommendations for quality criteria in physical chemistry education, support of mobility for students).

12. Division on Solid State and Materials Chemistry

After approval by 22 countries, the “Division of Solid State and Materials Chemistry” (DSSMC) was approved at the end of 2012.

Solid state research is a combination of chemistry, physics, crystallography and engineering that aims at synthesis, design and evolution of solid functional materials with extended structures and interesting chemical or physical properties. As systems, this includes ceramics, heterogeneous catalysts, electrode and battery materials, semi- and super-conductors, photocatalysts, sensors, pigments, luminescent substances and much more. Recently, especially materials for better energy efficiency are amongst the most investigated systems. Also, the question of resources and renewables has become prominent for materials research.

Solid materials are often inorganic chemicals (like oxides, silicates, halides, borides, intermetallics), but the methods and models that are used for characterization, analysis and description of the substances come from physical chemistry, physics or crystallography. Synthetic methods include molecular and ceramic routes. An increasing role must be attributed to theory both for prediction and understanding as well as for modelling and tuning of materials.

Inaugurational Meeting

The delegates were invited to participate to the European Conference on Solid State Chemistry which was organized in Bordeaux (7-10 July 2013). 11 Delegates attended the inaugural meeting of the DSSMC on 9 July 2013.

Defining main future activities and objectives of the Division

The delegates regard PR activities desirable and necessary. In the first place, this will be achieved by installing a Website, contributing to EuCheMS forum, and advertisements in journals.

As central activities, the Division will continue to organize the traditional series “European Conference on Solid State Chemistry” (ECSSC) in a biannual mode, intermittently with the EuCheMS Chemistry Congresses, and will strive to organizing Symposia during the EuCheMS Congresses, which are also held biannually.

In detail:

The ECSSC will be organized by the present board, which constitutes the main body of the program committee, and in each case will be extended by the Chairman of the Local Organizing Committee. The tasks of the two committees will be kept strictly separate, one committee responsible for the scientific program, the other for the technical local organisation.

The 15th ECSSC will be held in 2015 in Vienna; H. Ipser has kindly agreed to act as the local Chairman. Particular attention must be paid in order to avoid overlap of schedules with related conferences. In general, this conference will continue to be more specialized, while still covering the whole field of solid state and materials chemistry. Considering the scientific profile of the TU and Univ. of Vienna, the delegates encourage devoting one session to solid state theory.

Chair:	Prof. Martin Jansen (German Chemical Society)
Vice Chair:	Prof. Paul Attfield (Royal Society of Chemistry)
Secretary:	Prof. Antoine Maignan (French Chemical Society)

The EuCheMS Chemistry Congresses include Symposia. The DSSMC will strive to organize Symposia of a broader scope than the ECSSC series, alone, or jointly with suitable other Divisions on fields of common interest and expertise. These activities will be initiated and handled by the DSSMC delegates.

Next FPs of EU: input from and promotion by the delegates of DSSMC

Other future conferences "Reactivity of Solids", 9 June 2014, St. Petersburg; Nano congress July 2014, Moscow Lomonosov and MSU).

Working structure of the Division

The Delegates decided on a working structure, based on the following bodies:

- Chairpersons (Chair, Vice chair, Secretary)
- An Executive Board, running the daily business. This board includes the Chairpersons and up to five additional delegates, all from different countries.
- The general assembly of the delegates, which shall meet at least during the EuCheMS Chemistry Congresses

Elections for the Board

Results: Consensus

Nominations and elections of 5 additional executive board members: T. Rojo, A. Shevelkov, H. Huppertz, M. Reches and S. Lidin.

General Discussion

- Werner Paulus presented ideas on improving the networking for young students to increase the attractiveness of the field. Martin Jansen encouraged stress on the importance of (new) materials synthesis in the context of innovation.
- Andrei Shevelkhov announced future conferences (Reactivity of Solids, 9 June, St Petersburg; Nano congress July 2014, Moscow Lomonosov and MSU).
- The number of pertinent conferences on Solid State and Materials Chemistry appears to be too high; many of them show substantial overlap. Martin Jansen was asked to contact the respective Chairmen and to solicit merging the conferences within DSSMC.

13. Working Party on Chemistry and Energy

Main past activities

1) The WP gave a crucial contribution to the preparation of the *EuCheMS Roadmap – Chemistry Solutions in a Changing World*, which can be downloaded at the EuCheMS homepage (www.euchems.org).

2) The WP contributed significantly to the Workshop “Chemistry for a better life” that was held at the European Parliament on 9 November 2011. The Workshop highlighted the key contribution of chemistry to providing a better quality of life and welfare for the European people and, more generally, for mankind. The proceedings of this workshop can be downloaded at the EuCheMS homepage (www.euchems.org).

3) 2nd European Energy Conference. Maastricht, The Netherlands, 17-20 April 2012

The Chairman of the WP was a member of the Scientific Committee and promoted the contribution of the chemical sciences to the conference, which was organized by the European Science Foundation, the European Materials Research Society and the European Physical Society, under the patronage of the EU Commissioner for Energy. About 400 participants from all over the world attended the conference, with 40 invited and keynote lectures.

Key activities 2012-2013

1) The WP chairman participated in the EuCheMS-CEFIC taskforce to set up the research plan “CO₂ for a circular economy”, to be proposed to the EU for funding in the frame of Horizon 2020. He has further facilitated the merging of this initiative with an analogous action undertaken by the AMPEA programme (Advanced Materials & Processes for Energy Applications) in the frame of the

European Energy Research Alliance (see <http://dx.doi.org/10.1515/green-2013-0007>).

2) The Hungarian Chemical Society (MKE) organized the 3rd European Energy Conference, Budapest – 27-30 October 2013. The conference was organized jointly by EUChemS, the European Physical Society (EPS) and the European Materials Research Society (E-MRS). On 20 March 2013, the WP chairman participated in a meeting held at the Hungarian Chemical Society headquarters in Budapest, aimed at defining the programme of the conference. On that occasion, along with Secretary General Nineta Majcen, he served as EuCheMS representative and contributed to the selection of speakers and the definition of the session topics. In the subsequent months he actively interacted on-line with the colleagues of the scientific and organizing committees to fine tune the conference programme.

The organization of this conference has turned out to be somewhat challenging, particularly as far as the reaching of a critical mass of participants is concerned. This is due to two main reasons. (1) The conference is going to be held for two consecutive years, in order to put this biennial event in odd years as requested by EPS for internal organization problems; (2) the concomitant occurrence of other established energy conferences in Europe during 2013. Despite these hurdles, the organizing committee is making every effort to keep this event as a privileged occasion for interaction between the chemical and physical energy research communities across Europe. It has been already decided to organize the 2015 conference in Germany and such a two-year time window will allow revamping the EC series.

Chair: Dr. Nicola Armaroli (Italian Chemical Society), 2011

Members: 11 active delegates

Countries: 9 (Cyprus, Germany, Israel, Italy, Portugal, Spain, Switzerland, Turkey, UK)

- 3) ECC 2014, Istanbul – Agreement to participate to the organisation of the Energy Materials subtopic in the frame of the main theme C- Materials.
- 4) The WP promoted the EUChemS sponsorship of the International Symposium celebrating the 100th anniversary of the talk “The photochemistry of the future”, delivered by Giacomo Ciamician in New York in 1912. On that occasion Ciamician prophesized a civilization powered by solar energy. Bologna, Italy, 13 October 2012.

Short-term activities

- 1) 3rd European Energy Conference, Budapest, 27-30 October 2013.
- 2) Set up of the scientific programme Materials for Energy at ECC 2014, Istanbul.
- 3) Release of the final document “*CO₂ for a circular economy*”.

Problems

So far, all the efforts made to extend the participation in the WP to other European Chemical Societies, and particularly France, The Netherlands, Belgium, and Sweden, have been unsuccessful.

14. Working Party on Chemistry for Cultural Heritage

WP on CCH has held its 2nd International Congress in Chemistry for Cultural Heritage, ChemCH2012 in Istanbul (Turkey) from 8 to 11 July 2012 under the organising responsibility of the Turkish Chemical Society. A congress website was set up (www.chemch2012.org) and the Congress Chair was Professor Hadi Özbal, Department of Chemistry, Bogazici University, Bebek 34342 Istanbul, Turkey. The congress was a great success and several participants expressed their satisfaction and their wish to join the next international conference to be organised in 2014.

To this purpose it was decided to organise the third edition of ChemCH2014 in Vienna by the Gesellschaft Österreichischer Chemiker under the Chairmanship of Professor Manfred Schreiner, Akademie der bildenden Künste. The logo used for the first International Congress in Chemistry for Cultural Heritage, ChemCH, designed by Rocco Mazzeo, shall be the official logo for all future ChemCH conferences.

The copyright of the logo has been given to EuCheMS to be used by the Working Party on Chemistry for Cultural Heritage, WP CCH.

Furthermore a meeting of the Chemistry for Cultural heritage WP members was held at the Victoria & Albert Museum on 12 February 2013 in order to further finalize the organisation of the CHEMCH 2014 Congress in terms of congress themes and social programme.

In order to get more representatives to the WP, advertising for new member states at the ChemCH conferences and talking to colleagues will be tried. Contact will be made with national chemical societies having representatives who are inactive i.e. not participating in the WP CCH meetings or the ChemCH conferences, and not answering e-mails. These representatives will be asked to be replaced by new and active members.

Chair:	Prof. Rocco Mazzeo
Members:	14 active members
Countries:	12 (Austria, Belgium, Croatia, Denmark, France, Germany, Macedonia, Romania, Russia, Sweden, Turkey, UK).

15. Working Party on Ethics in Chemistry

The Working Party is still in its infancy and since the organisation and structuring of national discussion groups has been achieved so far in only a few countries (Czech Republic, Germany, Italy; one member each in Austria, The Netherlands, Poland, Russia, Switzerland, Ukraine), activities in 2013 were limited to the design and establishment of the Internet site (www.euchems.eu/divisions/ethics-inchemistry.html) and to the advertisement of the WP in one publication (*Toxicological & Environmental Chemistry*, 2013, 95, 1–3).

Upon extended discussion between the members of the incipient working party, the organisation of a special symposium tentatively entitled “Chemistry in the Cultural Context”

has been suggested to be organized with the cooperation of eight divisions and working parties (Chemical Education, Chemistry and the Environment, Chemistry for the Cultural Heritage, Food Chemistry, Green & Sustainable Chemistry, History of Chemistry, European Young Chemists’ Network, and Ethics in Chemistry) for the 5th EuCheMS Chemistry Congress in Istanbul in August 2014.

The main task for the next year will be to firmly establish at least three additional, strong national groups, with the ultimate goal of organizing a symposium towards the end of 2014 to identify major topics and priorities which shall be pursued by the WP in the near future.

Chair:	Prof. Hartmut Frank (German Chemical Society)
Members:	16 active members
Countries:	9 (Austria, Czech Republic, Germany, Italy, The Netherlands, Poland, Russia, Switzerland, Ukraine)

16. Working Party on History of Chemistry

The Ninth International Conference for the History of Chemistry (9ICHC) of the Working Party on the History of Chemistry (EuCheMS) was held on 22-25 August 2013 at the Museum Gustavianum, Uppsala. The conference theme was 'Chemistry in Material Culture', and the meeting investigated all aspects of chemistry in its engagement with material culture, from the earliest times to the present. The conference was a highly successful event, and gathered about 80 researchers and students. Most participants came from European countries, but there were also participants from USA, Japan, China, to name a few.

The program combined keynote lectures and thematic sessions with shorter papers.

In the first plenary lectures 'Uncovering and trading secret materials in the 17th century, or, How to make the Bologna stone', Lawrence Principe (Johns Hopkins University, USA), related his attempts to reproduce the well-known experiment of the 17th century, including the difficulties when using reconstructed equipment and searching for sources of raw materials used in the original experiment. The second was given by Marta Lourenço (University of Lisbon) on 'The invisible heritage: increasing relevance and use of material sources in the history of science', and reviewed how material sources can be used effectively to study the history of science though it is often neglected. A third plenary lecture was given as the Morris Award Lecture by Mary Jo Nye (Oregon State University, USA), the 2012 recipient of the John and Martha Morris Award for Outstanding Achievement in the History of Modern Chemistry and the Chemical Industry. In her lecture, 'Mine, thine, and ours: Collaboration and

the material culture of the 20th century chemical laboratory', Professor Nye investigated the publications records of three famous chemists, Dorothy Hodgkin, Michael Polanyi and Linus Pauling, and how the hierarchical use of their name amongst the other authors associated with a particular book or article varied, whether alphabetical, or with Hodgkin, Polanyi and Pauling's name first or with the order reflecting the relative contributions.

The remaining part of the three days was split into two parallel sessions that concentrated on a wide range of themes, including Objects and Philosophy of Chemistry, 20th Century Physical Chemistry, Technologies of visualisation, Environmental Chemistry, Sites of Innovation and Production, Discipline Building and Discipline Busting, and Materials in the 20th and 21st Century.

In accordance with the theme of the conference, the conference organisers had made special preparations to enable participants to interact with, and visit local museums and collections of scientific objects. The main venue of the conference was Museum Gustavianum, the oldest building of Uppsala University, and now a museum with large history of science collections.

A special exhibition on crystallography had also been prepared in the University Library, Carolina Rediviva in cooperation with the conference organizers. As part of the programme there was also a visit to the ultracentrifuge of Nobel Prize winner The Svedberg, professor of physical chemistry at the university 1912-49. The ultracentrifuge is now a standard laboratory technology, and Svedberg's centrifuge –

Chair:	Dr Brigitte Van Tiggelen (Royal Chemical Society, Belgium), 2013
Vice Chair:	Professor Annette Lykknes (Norwegian Chemical Society), 2009
Members:	26 active delegates, 150 members
Countries:	18 (Austria, Belgium, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, The Netherlands, Norway, Portugal, Russia, Spain, Sweden, UK)

the first ever built and used for several seminal experiments- is a unique object of great interest to the history of chemistry. There was also a conference excursion to Stockholm, with a visit to the Observatory Museum, and its special exhibition on Jöns Jacob Berzelius (1779-1848) one of the best chemists of all time. The Berzelius exhibition had been kept on for a month longer than originally planned by the museum to make a visit from the conference possible. The excursion continued with a visit to the Vasa Museum, where the conference participants were given a tour and a lecture by Mari-ka Hedin, director of the museum, on the chemistry involved in the preservation of archaeological objects, especially the wood of a ship which had been kept underwater for so long.

The 2015 edition will take place in Aveiro, Portugal, hosted by the Portuguese Chemical Society and the University of Aveiro.

The Working Party will also organize a session during the European Symposium in the History of Science, held in Lisbon, 4-6 September 2014, devoted to the translation and appropriation of Pauling's ground breaking textbook « The Nature of Chemical Bond » in post WWII European chemical curricula. The session will be co-sponsored by the Commission for the History of Modern Chemistry.

17. European Young Chemists' Network

Career Day events

Two EYCN Career Day events were organized, providing soft-skills lectures and "CV Clinic" workshops designed for young chemists entering the job market. During the graduation ceremony of the Euromaster Measurement in Chemistry in Geel (Joint Research Center, Belgium) more than 40 young graduates enjoyed lectures about "The Art of Writing", "How to Add Value to your Career" and "Communicating Chemistry". During the lunch break, a CV Clinic was provided where young chemists were able to get one-to-one advice on the job-hunting process. These CV Clinics also created an excellent networking opportunity between the participants. The second Career Day was held during the ICOSECS conference in Belgrade (Serbia) upon invitation from the Serbian Chemical Society. The one-day event included the lectures and CV clinic mentioned above, a talk regarding the design of scientific presentations was presented.

Both Career Day events were extremely well received by the participants and the local organizing committees. Even more, all costs made for these events were fully reimbursed by the local organizers (the European Commission and Serbian Chemical Society, respectively).

EYCN Delegates Assembly

In June, 22 representatives of EYCN member societies gathered for the 8th Delegates Assembly in Saint Petersburg, Russia. Main agenda points included an overview of the national activities, planning the 5th ECC satellite event, EYCN governance affairs and forging links with new and existing partners.

Young Chemists Crossing Borders

Six European students were selected to participate in the 246th ACS National Meeting & Exhibition in Indianapolis, USA as part of an exchange program co-organized by the ACS-YCC and EYCN. In total, ten oral and poster contributions were added to the scientific program. Moreover, the selected finalists participated in a company visit and social events thereby strengthening their personal professional network. In addition to the exchange program, two EYCN board members and finalists of the YCCB Program were invited to the YCC National meeting, which enabled the sharing of experience and knowledge between networks and discussion on future collaborations.

EYCN Poster Award

Six poster awards were given during young chemists symposia around the world (Serbia, Malaysia, Belgium, Germany, Romania and Ireland) providing additional visibility for young chemists.

Short-term future activities

- Designing short videos for supporting the EuCheMS community
In order to promote EuCheMS activities and benefits for the society, EYCN is creating short videos which show the benefits of being part of a society.
- Collaboration with ACS International Center:
EYCN assists the ACS International Center by means of providing information regarding research funding in Europe.

Chair:	Frédérique Backaert (Royal Flemish Chemical Society), 2013
Secretary:	Aurora Walshe (Institute of Chemistry of Ireland), 2012
Treasurer:	Frédérique Backaert (Royal Flemish Chemical Society), 2013
Countries:	21 (Austria, Belgium, Czech Republic, Finland, France, Germany, Hungary, Ireland, Israel, Italy, The Netherlands, Poland, Portugal, Romania, Russia, Serbia, Spain, Sweden, Switzerland, Turkey, UK).

Key long-term activities (up to 2020)

- 5th ECC

During the upcoming EuCheMS conference in Istanbul, a four-day program will be organized which provides soft-skills education for the young chemists, therefore creating added value to the scientific program.

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