



YEAR BOOK

2021

ACKNOWLEDGEMENT

The Editorial Team is thankful to all who helped creating and shaping the 2021 Yearbook.



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European Chemical Society (EuChemS) aisbl
Rue du Trône 62
1050 Brussels, Belgium
+32 2 289 25 67
www.euchems.eu
secretariat@euchems.eu



THE EDITORS

Nineta Hrastelj (*Editor-in-Chief*)
Laura Jousset (*Managing Editor*)
Anna Robinson (*Copy Editor*)

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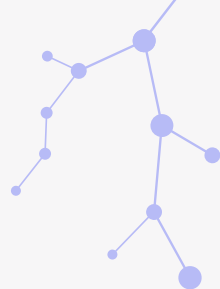
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EDITORIAL



I had imagined that in my first year as President of the European Chemical Society, I would have met many people from across Europe while attending meetings and conferences in various European countries. This of course did not turn out as planned. I did meet many people, but only via a computer screen and I did attend lots of meetings, but most of them were virtual. I did not even visit the EuChemS office in Brussels because of restrictions that were in place most of the time. In other words, it has been a virtual presidency so far. Despite these unusual circumstances, this first year has been very successful and productive. I am grateful for the constructive discussions with Pilar Goya (Vice-President) and Eckart Rühl (Treasurer) and I am also very pleased with the great support from the EuChemS office by Laura Jousset and Anna Robinson. Additionally, my task would have been significantly more challenging without the excellent collaboration with Nineta Hrastelj (Secretary-General), who knows all the ins and outs of our society and recently celebrated her tenth year of service for EuChemS!

A principal factor this year was without a doubt the continuous battle with the Covid-19 pandemic. The meetings with the EuChemS Executive Board, General Assembly and Professional Networks were all held online, just as many of the scientific conferences. The EuChemS office became very experienced in hosting online meetings, which gradually turned into a major activity during the pandemic. Crucially, this year, vaccines became widely available; a big step forward in controlling the disease. The incredibly fast development of these vaccines, including the conceptually new mRNA-based vaccines, is a prime example of the relevance of science for our society and the importance of collaboration between scientists from various disciplines, including chemists. More recently, similar scientific collaborations have led to the first drugs for treating Covid patients, which

hopefully will become another line of defense to help our society in combatting corona viruses.

Notwithstanding the Covid restrictions, EuChemS can certainly look back on a successful year. This is illustrated by a long list of events of which I will only highlight a more personal selection. To continue drawing attention to global challenges such as climate change and the scarcity of natural resources, EuChemS has initiated a webinar series based on the iconic EuChemS Periodic Table. The first webinar, held in the spring of this year, focused on the element carbon. In several lectures, various aspects of carbon, such as resources, geopolitical aspects, carbon dioxide handling, and decarbonization, were addressed to create a better overall view on carbon and the challenges that are connected to its use. One outcome of the discussions led to changing the color of carbon from solely green, into green, orange and black, representing the threats associated with carbon dioxide, and the fact that carbon (oil) is also an element that gives rise to conflicts. A second webinar was recently held in December and dealt with the element lithium. Lithium is important in the energy transition due to its role in Li-ion batteries, and potential problems in the foreseeable future resulting from the widespread use of lithium were discussed. This webinar series will be continued in 2022 with most likely the elements nitrogen and phosphorus in the spotlight.

Early on in February, EuChemS joined IUPAC's Global Women's Breakfast initiative with its own online breakfast version organised by a Task Group headed by Pilar Goya. The theme of this meeting was 'Empowering Diversity in Science' which was addressed in lectures by a diverse line-up of speakers and subsequent discussions. The enthusiasm about this successful meeting led EuChemS to decide to organise its own GWB in 2022 again on February 16.

One of the few events that took place on location was the revealing of the EuChemS Historical Landmark award at the Almadén mines in Spain. This was already due in 2019, but the ceremony was postponed until it could be organised as a regular meeting. The Almadén mines are well-known for their mercury production, however they closed in 2002 and more recently opened again for visitors and educational purposes. After a brief scientific programme with lectures describing the history, economic role, and chemical aspects of mercury, I had the privilege to reveal the plaque that is associated with the award. The ceremony was well attended by representatives of the Spanish chemical community and received quite some media exposure, including an article in the Spanish national newspaper El País.

I would also like to use this occasion to spend a few words on the European Young Chemists' Network (EYCN). I have been particularly impressed by the many activities the EYCN has initiated and organised, the active role that EYCN members have played in various EuChemS events, and the past year was no exception. That is a compliment for all young chemists, but foremost I would like to thank Antonio Rodríguez García for his enormous dedication and inspiring leadership as EYCN chair in the past years. At the same time, I wish his successor Maximilian Menche a lot of success: keep up the good work!

On a different note, EuChemS plays an advisory role in developing new policy and takes positions on a regular basis in policy discussions on science and innovation at the European level. In this line of activities, I had the honour, in my capacity as EuChemS President, of representing EuChemS at the High Level Roundtable on the implementation of the Chemicals Strategy for Sustainability, to which EuChemS was invited by the European Commission.

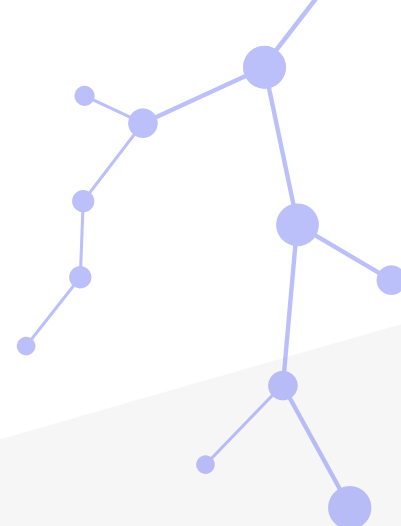
The main task of this roundtable is to support the Commission in realising its objectives in this strategy. It is my goal, on behalf of EuChemS, to represent the academic research and innovation perspective in the discussions and forthcoming policy documents. Equally important, I will emphasise the role of education, since without training scientists and innovators, we simply will not be able to develop the required sustainability solutions. In order to provide appropriate input, EuChemS has set up an advisory panel with broad expertise on sustainability aspects in general. The Roundtable activities will continue during the next few years and in my view represent an excellent example of how EuChemS can play a role in shaping policy within Europe.

Finally, let me also briefly look ahead to 2022. Many new EuChemS activities have already been lined up, and I sincerely hope that this will become a year in which we can move more freely than in 2021. I am particularly looking forward to the 8th EuChemS Chemistry Congress that will be held in the last week of August in Lisbon. It will be the occasion to meet friends and colleagues after a long time, and at the same time experience excellent science, with, amongst others, lectures of two recipients of the European Chemistry Gold Medal, Michele Parrinello (2020) and Carol Robinson (2022). After the congress had to be rescheduled in 2020, Artur Silva, President of the Portuguese Chemical Society, is now essentially organising the event for the second time and preparations are well on schedule. With him and the EuChemS Executive Board, I am very much looking forward to seeing you in person in Lisbon!

Floris Rutjes
President



EUCHEMS IN NUMBERS



120,000

chemists in Europe
and beyond



33

represented
countries



19

Professional
Networks



50

Member
Organisations



+250

EuChemS events
and recognised
events since 2013



56

policy positions
since 2008



2

newsletters



23

science policy
workshops
since 2011

IN 2021



16

events organised
or supported by the
EuChemS Secretariat



Outreach of these online events



3425

registrations



2724

unique viewers



2,650

subscribers to the
EuChemS newsletters



8

Open Calls
for Awards



12,500

followers on all social networks
(Twitter, LinkedIn, Facebook and YouTube)



+1,200,000

impressions on Twitter



14

new videos
on YouTube

GENERAL ASSEMBLY

The General Assembly, the governing body of EuChemS, meets on an annual basis and defines the general policy directions to be taken. It is composed of a representative from each of the Member Societies (usually the President) and Supporting Members.

2021 EuChemS General Assembly

The 2021 EuChemS General Assembly meeting took place on Thursday, 21 October 2021.

Due to the pandemic situation, the EuChemS General Assembly meeting was held online. The meeting was chaired by Floris Rutjes, EuChemS President, who presented the highlights of the European Chemical Society in the last twelve months. His presentation included, amongst others, updates on what is new at EuChemS, policy work, projects, communications, etc. Insights on upcoming activities and initiatives were also given. Eckart Rühl, EuChemS Treasurer, subsequently updated the attendees on financial matters.

During the 2021 General Assembly meeting, three members of the EuChemS Executive Board were elected. We congratulate Cristiana Radulescu and Slavica Ražić, who will start their first mandate as elected members on 1 January 2022, together with Nicola Armaroli, who was re-elected for a second term.

EuChemS warmly thanks all representatives who participated in the 2021 General Assembly organised by the EuChemS Secretariat and was made a success thanks to the excellent collaboration of the representatives from the EuChemS Member Societies and Supporting Members.

Nineta Hrastelj
Secretary General



**More information about
EuChemS 2021 online
General Assembly is
available [here](#).**

EXECUTIVE BOARD

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

The Executive Board includes the President, the Vice-President, the Treasurer, members elected by the General Assembly, and other members appointed by the Executive Board to provide special expertise.



President
Floris Rutjes
*Royal Netherlands
Chemical Society*



Vice-President
Pilar Goya
*Spanish Royal
Society of Chemistry*



Treasurer
Eckart Rühl
*German Bunsen Society
for Physical Chemistry*

ELECTED MEMBERS



Nicola Armaroli
*Italian
Chemical Society*



Christophe Copéret
*Swiss
Chemical Society*



Ioannis Katsoyiannis
*Association of
Greek Chemists*



Rinaldo Poli
*French
Chemical Society*



Renáta Oriňáková
*Slovak
Chemical Society*



Kenneth Ruud
*Norwegian
Chemical Society*



Artur Silva
*Portuguese
Chemical Society*



Livia Simon Sarkadi
*Hungarian
Chemical Society*

APPOINTED MEMBERS



Wolfram Koch
*German
Chemical Society*



Robert Parker
*Royal Society of
Chemistry*



Slavica Ražić
*Serbian
Chemical Society*



Péter Szalay
*Hungarian
Chemical Society*

Executive Board meetings in 2021:

- 18 February**
online
- 18 June**
online
- 20 October**
online

SECRETARIAT

The EuChemS Secretariat, led by the Secretary General, manages the day-to-day management of the association.



Nineta Hrastelj
Secretary General



Laura Jousset
*Science Communication
and Policy Officer*



Anna Robinson
*Administrative Assistant
(since 15 March 2021)*



Jelena Lazić
*Science Communication
and Policy Officer
(until 31 March 2021)*

For the time, in 2021 the EuChemS hosted Erasmus+ interns. It turned out to be an excellent exchange for all.

POLICY INITIATIVES

EuChemS aims to raise awareness on the vital role chemistry plays in providing solutions to the many environmental, societal, health-related, and economic challenges that we face. In parallel, EuChemS works diligently to keep its scientific community up to date with the latest policy developments impacting the chemical sciences, and equally to enable networking and knowledge exchanges between scientists and policymakers.

In 2021, EuChemS continued to actively advocate on behalf of the chemistry community by liaising with the different European Institutions and European Agencies, organising high-level workshops, responding to public consultations, and making contributions in different ways.

As the voice of chemistry in Europe, we are able to provide scientific advice on a broad range of topics such as climate change, food safety, clean energy, education, open access, and scientific integrity.

RESEARCH AND INNOVATION

CIRCULAR ECONOMY,
CLIMATE, ENERGY

HEALTH AND FOOD SAFETY

OPEN SCIENCE

CHEMICALS AND
CHEMICAL SAFETY

EuChemS at High Level Roundtable on the implementation of the Chemicals Strategy for Sustainability

The European Chemical Society (EuChemS) was invited to the expert group "[High Level Roundtable on the implementation of the Chemicals Strategy](#)" set up by the [DG Environment](#) of the European Commission. The main task of this expert group is to support the European Commission to realise the objectives of this new strategy. Floris Rutjes, EuChemS President, is EuChemS representative within this expert group and Nineta Hrastelj, EuChemS Secretary General, is a Sherpa (substitute). In order to achieve successful implementation of the strategy, the members of the expert group bring in perspectives on new and innovative science and technology that are relevant to effective chemicals management. They also emphasise the role of education in developing sustainable solutions.

Two high level meetings were held in 2021, with the presence of Virginijus Sinkevičius, Commissioner for Environment, Oceans and Fisheries, and Thierry Breton, Commissioner for Internal Market as meeting chairs. Numerous pressing issues were addressed, including the social and economic dimensions for the industrial transition to safe and sustainable chemicals and a zero-tolerance approach to non-compliance. Following these meetings, a detailed work plan was agreed. The High Level Roundtable on the implementation of the Chemicals Strategy will continue its work in 2022.

As an active member, EuChemS set up an internal expert group to discuss topics regarding the implementation of the Chemicals Strategy a diversity of perspectives from EuChemS wide network to the European Commission.



The Carbon and the Lithium element

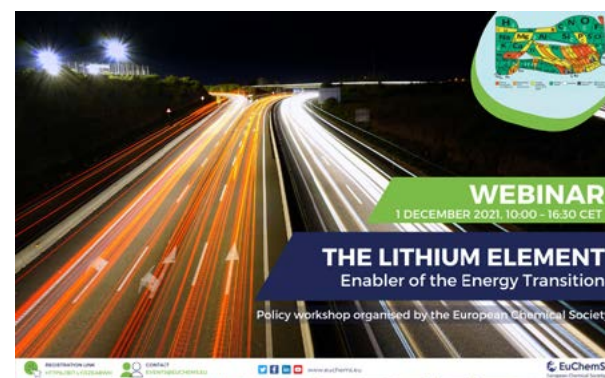
The workshop “[The Carbon Element – Key towards a sustainable society](#)” was organised by the European Chemical Society (EuChemS) on Earth Day 22 April. Both the [morning](#) and [afternoon](#) sessions of the workshop are available on the EuChemS YouTube channel.



With the aim of raising awareness on climate change and to provide sustainable solutions to a global issue, the workshop focused on the scientific and technological challenges of decarbonisation. Speakers from academia, research organisations and the European Commission discussed key issues related to the carbon element, including the carbon cycle, fossil fuel reserves and the perspectives of carbon sequestration and utilisation in the energy and chemical sector.

This workshop was also the opportunity to discuss the colour of the carbon element within the EuChemS Periodic Table depicting element scarcity – should carbon be depicted as an endangered or conflict element in the next edition of the EuChemS Periodic Table?

As a result, EuChemS released an updated version of its iconic Periodic Table, first produced for the International Year of the Periodic Table in 2019, during the COP26 Climate Summit in Glasgow, which started on 31 October 2021.



The EuChemS Periodic Table depicting elements scarcity has been updated to reflect the significance of carbon: its colour has been changed from green – in plentiful supply – to a tricolour of green, red, and dark grey. This multi-colour coding of the carbon element reflects its distinctive position at the crossroads of a very large natural cycle and a very large anthropogenic usage with considerable geo-strategic stakes – as a major component of oil, carbon was and is connected to several armed conflicts worldwide.

By updating the colour of the carbon element in its Periodic Table, EuChemS aims to address issues surrounding this specific element, such as the carbon cycle, fossil fuel reserves, recycling, and the need for a transition in the energy sector. On this occasion, EuChemS issued a [Press Release](#).

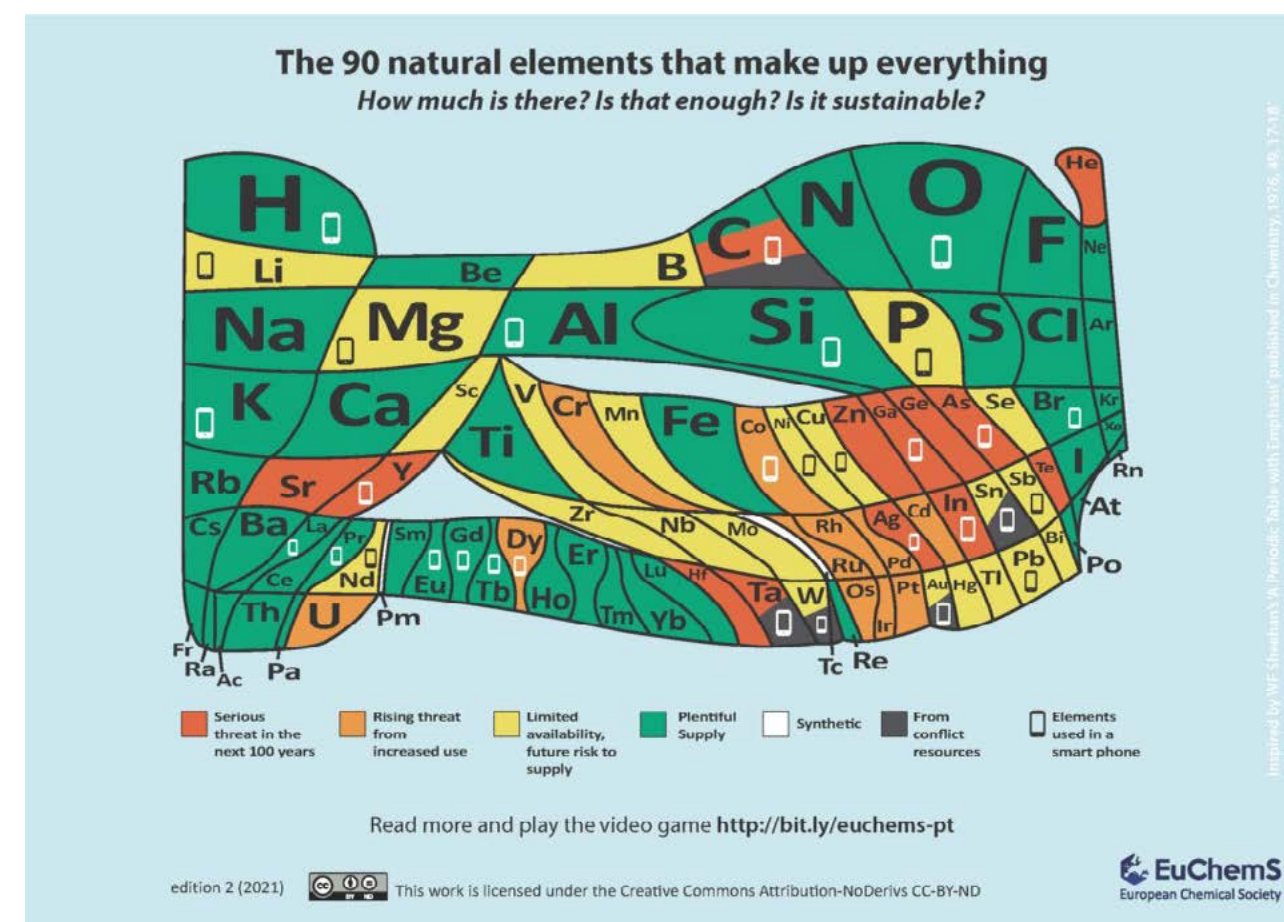
Translations for the EuChemS Periodic Table (edition 2 | 2021) are not yet available, but if you are a chemist who wants to use the EuChemS Periodic Table in your native language, you are invited to [submit a translation on the dedicated webpage](#).

To echo the workshop on the Carbon Element, EuChemS concluded its successful series of events in 2021 with an event on the lithium element held on 1 December.

On this occasion, EuChemS brought together stakeholders from the European Parliament, the European Commission, academia, and industry

to address various issues around the lithium element, such as lithium resources on Earth, geopolitical tensions, alternatives to lithium-ion batteries (LIBs) and battery recycling. The workshop also strived to answer the following question: what is the appropriate colour of lithium in the EuChemS periodic table?

Recordings of the morning and afternoon session of the workshop are available on the EuChemS YouTube channel. You can find the detailed [programme and list of speakers](#), as well as additional materials, on the EuChemS website.



EuChemS Periodic Table depicting element scarcity – edition 2 released on 3 November 2021

Healthy Soils, Urban Waste Water Treatment, Data Act and Mercury

The European Chemical Society (EuChemS) expressed its views on the goals, priorities and added value of EU actions for new initiatives and evaluated some existing EU policies and laws by responding to public consultations put forward by the European Commission. This year, EuChemS developed policy positions on the mercury phasing down process, on the new soil strategy, on the Data Act and on the EU's water policy.

EuChemS answered to [the Public Consultation on Mercury – review of law](#), which aims for a complete mercury phasing-down process to be completed by 2030. While supporting the European Commission's initiative and its relevance with the European Green Deal and the European Water Directive (amongst others), EuChemS made some reservations about the total elimination of mercury use in specific professional sectors where more research is still needed to find appropriate alternatives to Hg in specific fields of activity.

EuChemS contributed to the discussion on 'good' soil practices to avoid soil mismanagement and degradation in the EU by answering to [the Public Consultation on the new soil strategy](#). This legislation is included in the EU biodiversity strategy for 2030, following the Sustainable Development Goal 15.3 of the United Nations (neutral land degradation by 2030) and aims to align the existing policy frameworks with the objectives of the European Green Deal. In its answer to this open public consultation, EuChemS underlined the importance of the soil in land users' practices by addressing the challenges around biodiversity preservation,

sustainable practices, soil assessment, the European Union's actions, and skills transfer at local and global scale. In addition, particular stress was put on the integration of the soil's balance of elements, regarding macro and micro elements.

EuChemS also answered to the roadmap on [the Data Act & amended rules on the legal protection of databases](#). The purpose of the Data Act is to foster business-to-government and B2B sharing, thus strengthening the implementation of Open Access and Open Science within the European Union. In its answer to this public consultation, EuChemS emphasised the necessity for the Data Act to comply with the current EU IPR policies in place (i.e. GDPR, ePrivacy Dir. 2002/58/EC, etc.), while underlining the related overlapping risks.

By responding to the public consultation on the Urban Waste Water Treatment Directive ([UWWTD](#)), EuChemS aimed to address the main challenges of the UWWTD through its wide expertise in chemistry. This public consultation is part of the European Union's water policy. Its purpose is to ensure that urban wastewater is clean and safe for protecting public health and the environment in the EU. EuChemS identified various challenges and proposed solutions for storm water overflows, smaller agglomerations adaptation, Individual or Other Appropriate Systems (IAS), sensitive areas, micropollutants, industrial discharges, Extended Producer Responsibility (EPR), and Urban Waste Water Treatment Plants (UWWTP).

All the EuChemS responses to public consultations are available on [the EuChemS website](#)

Official accredited stakeholder

EuChemS is an official accredited stakeholder of the European Food Safety Authority (EFSA).



EuChemS is an official accredited stakeholder of the European Chemicals Agency (ECHA).



EFSA and ECHA updates are published in the monthly EuChemS Newsletter [Brussels News Updates](#).

EuChemS contribution to the position paper on the Horizon Europe programme budget allocation

EuChemS contributed and endorsed [the position paper on the Horizon Europe programme budget allocation](#), released earlier this summer by the Initiative for Science in Europe (ISE), of which EuChemS is a member. This position paper highlights the need for a stronger incentive toward interdisciplinary actions within Horizon Europe and included recommendations for calls covering more than one Horizon Europe cluster (under pillar II), as well as more budget flexibility across intervention areas. Emphasis is also given on the importance of addressing the EU15/EU13 gap issues and the lack of collaboration between both groups. The position paper points to the need to build a strong pan-European research community that will be globally competitive.

EuChemS also contributed to webinars on topics related to widening participation and on the balance between fundamental and applied research with an interdisciplinary perspective.



FOSTERING EUROPEAN CHEMISTRY

EVENTS

E-LEARNING

GLOBAL COLLABORATIONS

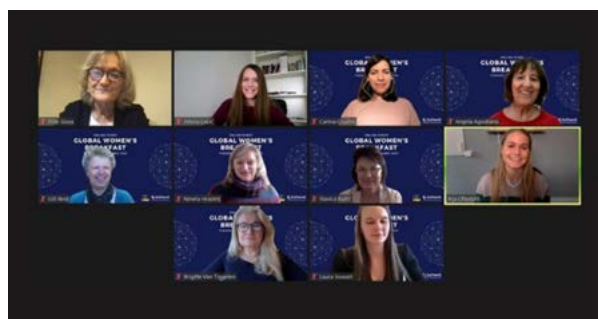
Global Women's Breakfast

On the occasion of the Global Women's Breakfast 2021 #GWB2021, the European Chemical Society organised its first [GWB](#) on 9 February 2021 – two days before the International Day of Women and Girls in Science.



Pilar Goya, EuChemS Vice-President, hosted and chaired a panel with speakers from the European chemistry community who engaged with more than 150 attendees on various inclusion-related topics, including work-life balance, building professional networks, and STEM education for school-age kids. The [recording of the EuChemS @ #GWB21](#) is available on the EuChemS YouTube channel.

The global networking event was initiated by the International Union of Pure and Applied Chemistry ([IUPAC](#)) to empower women in chemistry, to promote full and equal participation of women in science, and to encourage girls to pursue a career in STEM.



Speakers and organisers at the EuChemS @ GWB2021.

WiFo 2021

EuChemS joined the online GDCh Science Forum Chemistry (WiFo) as an exhibitor from 29 August to 1 September.



EuChemS virtual booth at WiFo 2021.

As direct chat and video functions were available on the digital conference platform, WiFo 2021 offered many opportunities for networking. For this occasion, EuChemS set up a [virtual booth](#) and created a [webpage](#) to provide the registrants of WiFo 2021 with the most up-to-date information on the latest chemistry-related and science-policy news, awards, and upcoming events in Europe and beyond.

Good Chemistry – Do Chemists Need Ethics?

On 7 October, EuChemS organised the webinar “Good Chemistry – Do Chemists Need Ethics?” Our invited speaker, Dr Jan Mehlich, is the recipient of the 2020 EuChemS Award for Service, member of the EuChemS Working Party on Ethics in Chemistry, and moderator of the “Moodle course “Good Chemistry – Methodological, Ethical, and Social Implications”.



This interactive webinar was an opportunity to reflect on the role of ethics in the chemical sciences through various examples and case studies. You are invited to watch the recording of this webinar on the [EuChemS YouTube channel](#).

Towards a more inclusive chemistry community

On 18 November, EuChemS organised a webinar to address current inequalities in the chemical sciences. The invited speaker, Dr Alejandra Palermo FRSC (RSC senior manager, external relations), presented the work done on inclusion and diversity by the Royal Society of Chemistry (RSC). Data and evidence behind the inequalities observed for underrepresented groups of people in chemistry were analysed. This event provided a platform for discussion and fed the debate on how to make chemistry fairer and more inclusive.



The conclusions drawn during the webinar will be carefully considered by the [EuChemS Task Group](#) on Inclusion and Diversity.

Sustainable chemistry



Nineta Hrastelj, EuChemS Secretary General, at the "Global Sustainable Chemistry Week".

Nineta Hrastelj, EuChemS Secretary General, was invited to join a panel discussion on the EU Chemicals Strategy for Sustainability at the first "Global Sustainable Chemistry Week", which took place from 8 to 12 November 2021. The event was organised by the International Sustainable Chemistry Collaborative Centre (ISC₃).

Floris Rutjes, EuChemS President, gave an invited opening address at the 6th Green and Sustainable Chemistry on 16 November.

Both events provided the opportunity to present EuChemS activities related to green and sustainable chemistry, including its involvement in the EU Chemicals Strategy implementation at the high-level roundtable on the implementation for the EU Chemicals Strategy for Sustainability.

EuChemS Historical Landmarks Award plaque unveiled at Almadén mines, Spain



The ceremony of the unveiling of the EuChemS Historical Landmarks 2019 plaque was attended by high-level guests from EuChemS, the scientific community, media, politicians, and regional organisers. © UCLM

The mines of Almadén were awarded the 2019 EuChemS Historical Landmarks (European level) in recognition of the role they played in the history of chemistry and European sense of belonging between people and ideas. On 14 and 15 September 2021, the mines celebrated the unveiling of the EuChemS Historical Landmarks plaque, attended by EuChemS representatives and high-level guests from the scientific community, media, politicians, and regional organisers. The ceremony was preceded by a symposium on the history of the mines and on the mercury element.

Located in the province of Ciudad Real (Castilla-La Mancha region), in Spain, the Almadén site is famous for the production of mercury since antiquity. Almadén was one of the largest sites of mercury production until the mines closed in 2000. The extensive extraction of mercury deeply impacted the mining industry on a global scale, thus the Almadén mines constitute an important heritage on the evolution of the scientific, technological, and technical methods of mercury extraction. The site has also seen a long history of mercury trade which has generated intercontinental exchanges over the centuries.



Almadén mines, Spain. © UCLM



Unveiling of the EuChemS plaque at the entrance of the museum of the Almadén mines. © UCLM

“

One of the activities of the European Chemical Society (EuChemS) is to raise awareness for the history of European chemistry and its chemists. This we do by recognising the impact that local historical sites have had on the chemistry community at the European and international level, and the Almadén mines are no exception.

Floris Rutjes, EuChemS President,

[Booklet EuChemS Historical Landmark Minas de Almadén](#)

”


Good Chemistry - Methodological, Ethical, and Social Implications

The European Chemical Society continues to offer the online course "Good Chemistry – Methodological, Ethical, and Social Implications". In 2021, EuChemS implemented completion certificates: all attendees finishing one of the 16 classes available for this course can receive it.



This e-course aims to contribute to an integral education of students as important future enactors of progress and influential decision-makers in academia, industry, and public. Its content relates to science conduct, logic and theory of science, experimentation, professional and public communication of science, risk and uncertainty, sustainability, and social impact of chemical activity.

This educational material enhances competency and skills in basic research methodology and its philosophical foundations. It also points out thought-provoking facts about overseeing, understanding, evaluating, and assessing contemporary ethical and social issues arising from scientific and technological activity and progress.

Signing up for the course
is possible online: 
www.elearning-euchems.eu/

EuChemS attends the OPCW 'First Pillar Ceremony'

On 23 September, Floris Rutjes, EuChemS President, was invited to attend the 'First Pillar Ceremony' organised by the Organisation for the Prohibition of Chemical Weapons (OPCW), in his capacity as President of the European Chemical Society (EuChemS).

During this event, led by Fernando Arias, OPCW Director-General, the first pillar of the new Chemistry and Technology ("ChemTech Centre") was secured in place in The Hague, "The Netherlands". This building, scheduled to be fully operational by the end of 2022, will host laboratories as well as training and equipment facilities to support the work of the organisation in implementing a global ban on chemical weapons.

 **EuChemS**
European Chemical Society

We invite you
to consider
subscribing to
the **EuChemS**
YouTube channel

SCIENCE COMMUNICATION

As EuChemS successfully managed its digital transition, the challenge of 2021 has been to keep on expanding its outreach. How to reach a wider audience? How to make chemistry more attractive? How to increase the public's appreciation of science? Timely issues such as the COVID-19 pandemic, climate change, and healthcare called for improved science communication. With this in mind, EuChemS adapted its 2021 communication strategy to best respond to current needs in the fields of science communication and science policy.

When doing science communication, it is crucial to recognise the heterogeneity of people in a society: there are as many different profiles as there are individuals, and this fact has direct consequences on the way people respond to communicative efforts. Being aware of this, EuChemS took advantage of the digital environment and diversified its content to reach a wider audience. This translated in the online events organised this year on a variety of topics, such as nanochemistry, raw materials, scientific integrity, education, and many more. We also proposed more versatile content via our YouTube channel by posting the recordings of our online events and by producing a video to promote the EuChemS Historical Landmarks. As videos make up more than 80% of all internet consumer traffic, EuChemS is stepping up the pace with video content to continue engaging with its audience and extended its platform to the EuChemS Professional Networks, who are invited to contact the EuChemS Secretariat to request their events be published on the EuChemS YouTube Channel.

It is thanks to its wide network of chemists from all fields of chemistry that EuChemS can propose a diverse range of perspectives about science and provide policymakers with their expertise, thus ensuring EU

policies are evidence-based. This year saw many collaborations resulting in workshops, responses to EU public consultations, contest organisation, as well as scientific and science policy article publications. The diversity of EuChemS network is a strength as it enables a constant two-way communication between chemistry experts, policymakers, and the public by offering a platform for dialogue and debates.

Nevertheless, 2021 remained a 'digital' year due to the status and environment of COVID-19. Taking this into account, staying up to date on the latest digital novelties has become key to extending EuChemS' visibility. A significant work to improve and facilitate a seamless user experience was undertaken on the EuChemS website over the summer: it is now mobile optimised, making navigation smoother and providing better accessibility for smartphones and tablets. It was also an opportunity to update the website to current trends. Together with the website editors of the EuChemS Professional Networks, we worked on harmonising its content to better comply with SEO requirements.

The return to the "new" normal must be prepared, and we are currently paving the way out of the global crisis. To meet the needs of the modern post-COVID-19 world, hybrid communication strategies will determine the course to follow. In the meantime, we hope to be able to meet with our community safely in the near future. You are all invited to follow us on our social networks and to subscribe to our newsletters to support EuChemS and to not miss out on its many upcoming activities.

Laura Jousset

Science Communication & Policy Officer

EUCHEMS NEWSLETTERS

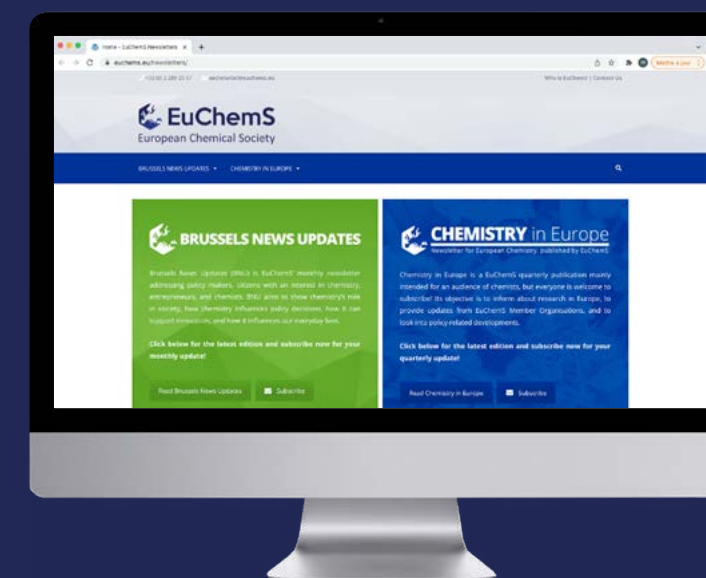
CHEMISTRY IN EUROPE

Over the years, the European Chemical Society, EuChemS, has released quarterly issues of [Chemistry in Europe](#) to keep our readers updated on the latest developments in chemical sciences in Europe. The *Chemistry in Europe* newsletter includes contributions from our team, Members, Professional Networks, and more. It informs you about research in Europe, provides updates from EuChemS Member Organisations, and looks into policy-related topics. This newsletter is mainly intended for an audience of chemists, but everyone is welcome to subscribe.



BRUSSELS NEWS UPDATES

The [Brussels News Updates](#) (BNU) is EuChemS' newsletter on science-policy news related to chemistry. By publishing monthly updates, we aim to show chemistry's role in society, how chemistry influences policy decisions, how it can support innovation, and how it influences our everyday lives. The *BNU* newsletter addresses policymakers, citizens with an interest in chemistry, entrepreneurs, and chemists.



**Subscribe to
the EuChemS
newsletters**

to stay in the loop on
the latest develop-
ments and events re-
garding the chemical
science in Europe!

AWARDS



European Chemistry Gold Medal 2022

The 2022 European Chemistry Gold Medal is awarded to [Professor Dame Carol Robinson](#) for exceptional achievements in the field of chemistry in Europe. Professor Robinson will be presented with the Gold Medal during the 8th EuChemS Chemistry Congress (ECC8) in Lisbon, Portugal. In addition, she will also give the opening lecture during the ECC8.



EuChemS Lecture Award 2020

The 2020 EuChemS Lecture Award is awarded to [Professor Victor Mougel](#) in recognition of his major achievements as a junior scientist working in chemistry in a country with a EuChemS Member Organisation. As the recipient of the 2020 EuChemS Lecture Award, Professor Mougel will give a plenary invited lecture at the 8th EuChemS Chemistry Congress (ECC8) in 2022.



EuChemS Award for Service 2020

The 2020 EuChemS Award for Service is awarded to [Professor Antonio Laganà](#) and [Dr Jan Mehlich](#) in recognition of their outstanding commitment and hard work in fostering chemistry in Europe, along with the activities and goals of EuChemS. Professor Laganà has contributed to the chemistry community in Europe and beyond with both his scientific achievements and services to the community. Dr Mehlich has developed the online course "Good Chemistry – Methodological, Ethical, and Social Implications" worth 2 ECTS Credits and now available on the [EuChemS Moodle platform](#). The Award will be presented to them at the 8th EuChemS Chemistry Congress in Lisbon, Portugal.



EuChemS Historical Landmarks Award 2020



At the **European Level**, the [Justus Liebig's Laboratory](#) is awarded the EuChemS Historical Landmarks 2020 in recognition of the role it played in the history of chemistry and European sense of belonging between people and ideas. Located in Gießen (State of Hesse) in Germany, the chemist Justus von Liebig worked in this laboratory from 1824 to 1852. Justus von Liebig is considered as one of the main founders of organic chemistry and is well known for his major contributions to agricultural and biological chemistry, and for transforming chemistry education.

EUCYS EuChemS Award 2021



Louenn Colineaux and David Barbin, EuChemS EUCYS 2021 winners, with the device they developed.

The [EU Contest for Young Scientists \(EUCYS\)](#) aims to give students the opportunity to compete with their contemporaries at the European level, meet their peers with similar abilities and interests, and receive guidance from prominent scientists in Europe. The contest is an initiative of the European Commission. EuChemS provides a prize for the best chemistry entry in EUCYS.

Louenn Colineaux and David Barbin, from France, were awarded the special EuChemS prize for their project "is the study of chemical reactions possible on the scale of a drop?" which was selected as best chemistry project at the EUCYS 2021 edition, held online in September 2021.

EuChemS Awards – Information Session

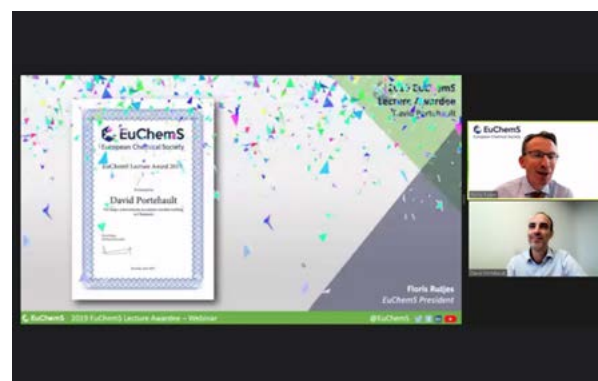
EuChemS organised an Information Session on its Awards on 9 November 2021. During this online event, the nomination procedures and selection process were summed up and explained down to the last detail in carefully prepared videos.



Videos for the European Chemistry Gold Medal, the EuChemS Lecture Award, the EuChemS Award for Service, the EuChemS Historical Landmarks Award, and the European Young Chemists' Award (EYCA) are available on the [EuChemS YouTube channel](#).

2019 EuChemS Lecture Awardee Webinar

In recognition of the major achievements of one junior scientist working in chemistry in a country with a [EuChemS Member Organisation](#), Professor David Portehault is awarded the [EuChemS Lecture Award in 2019](#). Due to the COVID-19 pandemic and the postponement of the 8th European Chemistry Congress (ECC8) to 2022, a webinar was organised on 23 June 2021 during which he presented his research and was virtually presented with the Award.



David Portehault, EuChemS Lecture Awardee 2019, receives virtually his Award certificate from Floris Rutjes, EuChemS President, during the webinar held on 23 June 2021 for the occasion.

Professor Portehault explained original nanomaterials synthesis from the perspective of geology: he presented geo-inspired synthesis conditions, from low temperature *chimie douce* in water, to liquid-phase synthesis in inorganic molten salts and to high pressures.

The [entire lecture](#) is available on the EuChemS YouTube Channel.



DAC-EuChemS Award

The EuChemS Division of Analytical Chemistry ([DAC](#)) awarded Professor Aldo Roda with the 2021 DAC-EuChemS Award for his significant and sustained achievements in analytical chemistry research or education throughout his career. Professor Roda was presented with his Award during the '2021 DAC-EuChemS Lectures Awardees' webinar held on 16 September 2021. The [recording of the ceremony](#) is available on the EuChemS YouTube Channel.



European Prize for Organometallic Chemistry

The EuChemS Division of Organometallic Chemistry awards a European Prize for Organometallic Chemistry every other year, to coincide with the EuCOMC where the Prize winner is invited to give a Plenary Lecture. The 2021 European Prize for Organometallic Chemistry is awarded to Professor Pierre Braunstein in recognition of his outstanding contributions to organometallic chemistry and catalysis. He received his prize during the 2021 [EuCOMC online meeting](#).



Robert Kellner Lecture (RKL)

The EuChemS Division of Analytical Chemistry ([DAC](#)) awarded Professor Karen Faulds with the 2021 Robert Kellner Lecture for her substantial contributions to the advancement of analytical chemistry research and education in the last five years. Professor Faulds was presented with her Award during the '2021 DAC-EuChemS Lectures Awardees' online ceremony on 16 September 2021. You can [watch the webinar on the EuChemS YouTube Channel](#).



Young Investigator Award

The EuChemS Division of Organic Chemistry has one yearly award, which is announced in conjunction with the Young Investigator Workshop. The awardee is selected among the PIs that participate in the symposium through the national organic divisions. The 2020 edition was granted to Professor Daniele Leonori for the discovery, design, and development of novel photoredox catalytic methods for chemical synthesis and in particular for his photochemical dehydrogenative strategies. The Award was presented to him during the 12th edition of the Young Investigator Workshop organised on 25 – 26 November 2021.



European Sustainable Chemistry Award (ESCA)

The EuChemS Division of Green and Sustainable Chemistry ([DGSC](#)) awarded Professor James Clark with the 2021 European Sustainable Chemistry Award ([ESCA](#)). Professor Clark was presented with his Award during the 5th EuChemS Conference on Green and Sustainable Chemistry ([5th EuGSC](#)), that was organised from 26 to 29 September 2021.

EVENTS

CONTINUING WITH TELECONFERENCING

EuChemS has invested efforts and training in digital platforms to facilitate its transition to strictly online events until COVID-19 restrictions are lifted, and this increased accessibility to scientific discussions and debates has led to many successful conferences, workshops, and congresses this year.

If any solid conclusions can be made from 2021, it is the great importance of digital technologies and the opportunities that they present. EuChemS was able to organise more events, including the 'EuChemS @Global Women's Breakfast 2021', 'The Carbon Element: Key towards a sustainable society', and 'Towards a more inclusive chemistry community' among others, which collectively garnered over 1,700 participants online. We have seen just how many more science-driven participants from all around the world can be accommodated at online events, as opposed to physical ones. EuChemS also saw an increase in its internal meetings, notably its Task Groups who were able to meet more often to discuss their upcoming activities.

The EuChemS Secretariat has had the pleasure to support numerous Professional Networks events this year online. These have included the ever-popular Webinar Series on Food Chemistry and the EuroFoodChem XXI conference organised by the Division of Food Chemistry, the Webinar by the Working Party on the History of Chemistry, the 2021 EuChemS-DAC Lecture Awardee webinar, and finally the e-EuCo-CTC conference by the Division of Computational and Theoretical Chemistry. Altogether, these have brought in over 1,600 participants and have triggered a plethora of interesting scientific discussions.

Although most events are foreseen to be held in person in 2022, EuChemS has recognised the convenience and accessibility of online events, and still plans to hold various internal meetings online.

“
We have seen just how many more
science-driven participants from all around the
world can be accommodated at online events,
as opposed to physical ones.
”



Online events organised or supported by the EuChemS Secretariat

09/02/2021	EuChemS @Global Women's Breakfast 2021
22/04/2021	The Carbon Element – Key towards a sustainable society
04/05/2021 06/05/2021	CEHC-1 – Cutting-Edge Homogeneous Catalysis
12/05/2021	Webinar Series on Food Chemistry: Why should anyone need a food chemist?
20/05/2021	Webinar by the Working Party on the History of Chemistry
17/06/2021	Webinar series on Food Chemistry: Emerging mycotoxins in the food chain
23/06/2021	2019 EuChemS Lecture Awardee
09/09/2021 12/09/2021	ECTN General Assembly
16/09/2021	DAC-EuChemS Lecture Awardees Webinar
22/09/2021	Webinar series on Food Chemistry: Chemistry behind pleasure
07/10/2021	Good Chemistry - Do Chemists Need Ethics?
09/11/2021	EuChemS Awards - Information Session 2021
18/11/2021	Towards a more inclusive chemistry community
18/11/2021 19/11/2021	e-EuCo-CTC 2021
22/11/2021 24/11/2021	XXI EuroFoodChem
01/12/2021	The Lithium Element – Enabler of the Energy Transition

EUCHEMS RECOGNISED EVENTS

EuChemS offers an official recognition scheme to its Member Societies, Professional Networks, and to non-member organisations. This allows high-quality events and conferences to be widely shared with our networks across Europe. Since 2013, EuChemS has recognised more than 251 events.

Recognised Events in 2021:

Sustainable Chemistry Lecture Series 1 - SLCS

21/01/2021 • online

EuChemS @Global Women's Breakfast 2021

09/02/2021 • online

1st Greenering International Conference

15/02/2021 – 17/02/2021 • Costa da Caparica, Portugal

Sustainable Chemistry Lecture Series 2 - SLCS

15/02/2021 • online

Mechanochemistry meets Industry

17/02/2021 • online

Sustainable Chemistry Lecture Series 3 - SCLS

02/03/2021 • online

EuSamplePrep Conference

11/03/2021 – 12/03/2021 • online

Mechanochemistry: from supramolecular to covalent bonds – synthesis and structural characterization

22/03/2021 – 25/03/2021 • online

Advances in Food Chemistry 2021 Conference (AdFoodChem 2021)

15/04/2021 – 17/04/2021 • online

Sustainable Chemistry Lecture Series 4 - SCLS

21/04/2021 • online

The Carbon Element – Key towards a sustainable society

22/04/2021 • online

Cutting-Edge Homogeneous Catalysis – CEHC-1

04/05/2021 – 06/05/2021 • Toulouse, France

International School of Process Chemistry - ISPROCHEM

10/05/2021 – 12/05/2021 • online

Webinar Series on Food Chemistry – Why should anyone need a food chemist?

12/05/2021 • online

7th Portuguese Young Chemists Meeting – 7PYCheM

19/05/2021 – 21/05/2021 • online

Bioinks, a prelude to tomorrow's medicine?

19/05/2021 • online

Heritage and History of Chemistry – WPHC online event

20/05/2021 • online

Sustainable Chemistry Lecture Series 5 - SLCS

20/05/2021 • online

1st Young Investigator Workshop of the EuChemS Division of Chemistry for Life Science

24/05/2021 – 25/05/2021 • online

7th European Chemical Biology Symposium (7ECBS)

26/05/2021 – 28/05/2021 • online

"Attilio Corbella" International Summer School on Organic Synthesis – ISOS 2021

13/06/2021 – 17/06/2021 • Gargnano, Italy

Webinar Series on Food Chemistry – Emerging Mycotoxins in the food chain: Analytical challenges and food safety

17/06/2021 • online

Sustainable Chemistry Lecture Series 6 - SCLS

21/06/2021 • online

Macrowine 2021

23/06/2021 – 30/06/2021 • online

2019 EuChemS Lecture Awardee - Webinar

23/06/2021 • online

Green Chemistry Summer School 2021

04/07/2021 – 07/07/2021 • Venice, Italy

9th European Variety in University Chemistry Education – Eurovariety 2021

07/07/2021 – 09/07/2021 • Ljubljana, Slovenia

Sustainable Chemistry Lecture Series 7 - SCLS

19/08/2021 • online

Online satellite meeting – 18th European Conference on Solid State Chemistry (ECSSC2021)

23/08/2021 • online

GDCh Science Forum Chemistry 2021 – WiFo 2021

29/08/2021 – 01/09/2021 • online

XXIV European Conference on Organometallic Chemistry – EUCOMC XXIV

01/09/2021 – 03/09/2021 • Madrid, Spain

25th Conference on Isoprenoids

08/09/2021 – 10/09/2021 • Karaganda, Kazakhstan

Sustainable Chemistry Lecture Series 8 - SCLS

08/09/2021 • online

2021 DAC-EuChemS Lectures Awardees Webinar

16/09/2021 • online

Webinar series on Food Chemistry – Chemistry behind pleasure: exploring aroma quality by multidimensional analytical techniques

22/09/2021 • online

5th EuChemS Conference on Green and Sustainable Chemistry – EUGSC-5

26/09/2021 – 29/09/2021 • online

Good Chemistry – Do Chemists Need Ethics?

07/10/2021 • online

Sustainable Chemistry Lecture Series 9 - SCLS

19/10/2021 • online

2021 EuChemS General Assembly

21/10/2021 • online

2021 EuChemS Professional Networks (PNs) annual meeting

22/10/2021 • online

EuChemS Awards – Information Session 2021

09/11/2021 • online

Towards a more inclusive chemistry community

18/11/2021 • online

13th European Conference on Computational and Theoretical Chemistry - EUCCO-CTC 2021

18/11/2021 – 19/11/2021 • online

XXI EuroFoodChem

22/11/2021 – 24/11/2021 • online

Sustainable Chemistry Lecture Series 10 - SCLS

30/11/2021 • online

The Lithium Element – Enabler of the Energy Transition

01/12/2021 • online



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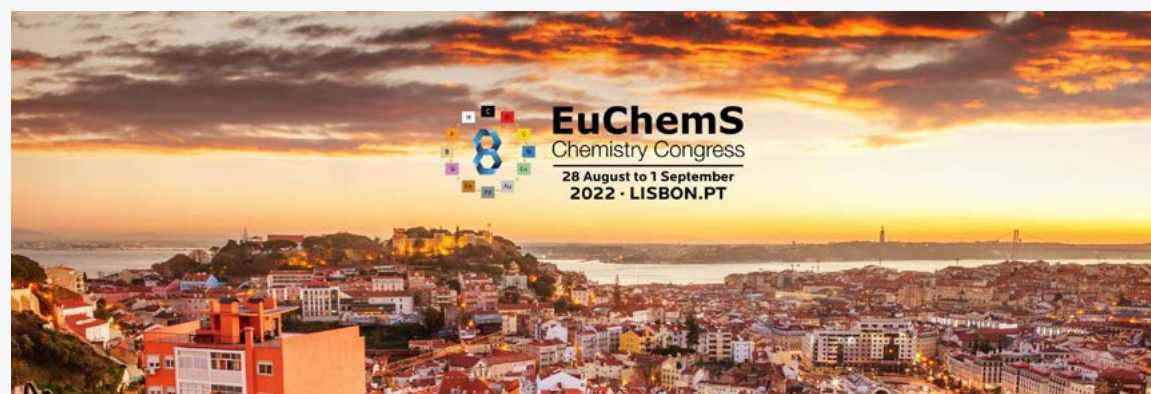
EuChemS events
and recognised events

Upcoming Recognised Events:

In the current environment and status of COVID-19, some events are still being postponed or cancelled. If you are interested in attending one of EuChemS upcoming recognised events, we strongly encourage you to keep an eye on the website of the event organiser to stay up to date on the latest developments on the event you wish to attend.

BIENNIAL EUROPEAN CHEMISTRY CONGRESS

The Portuguese Chemical Society (SPQ), with the support of the Portuguese Electrochemical Society (SPEQ), has the great pleasure of organising the 8th EuChemS Chemistry Congress (ECC8) in Lisbon (Portugal), from 28 August to 1 September 2022.



The 8th EuChemS Chemistry Congress is being built under the unifying theme of Chemistry the Central Science, focusing on the central role of chemistry at the interfaces with biology, material, and environmental sciences, both for the progress of humankind and for the solution of fundamental problems of modern societies. An exciting scientific program will give the opportunity to the participants to listen to the most celebrated world speakers presenting state of the art advances in chemical sciences, and to discuss their findings openly with the chemistry community and the world class experts.

Find more on the website
of the event:

<https://euchems2022.eu/>



Don't miss out any chemistry events happening near you and online, visit the EuChemS calendar of events.

PROFESSIONAL NETWORKS

EuChemS Professional Networks are platforms in their own fields of expertise and promote collaboration with other European and international organisations. The Professional Networks organise high-quality scientific conferences in chemical and molecular sciences and interdisciplinary areas and contribute to EuChemS policy inputs. With 14 Divisions, 4 Working Parties, and the EYCN – European Young Chemists' Network, EuChemS is able to provide networking opportunities for chemists and researchers from across Europe, and from across fields of expertise.

2021 EUCHEMS PROFESSIONAL NETWORKS ANNUAL MEETING

The current pandemic requested us to hold the 2021 annual meeting of EuChemS Professional Networks (PNs) online on 22 October 2021, but opened the door for more to attend and not only the Chairs. Overall, the meeting, chaired by Floris Rutjes, EuChemS President, was attended by over 40 participants, having all Divisions, Working Parties, and the EYCN represented by at least one member. The meeting agenda covered many topics, amongst other the highlights of EuChemS, increasing the collaboration of EuChemS with industrial partners, and outreach.

On the following pages, the 19 EuChemS Professional Networks present their aims and main activities.



19
Professional
Networks

DIVISION OF ANALYTICAL CHEMISTRY

BOARD OF THE DIVISION OF ANALYTICAL CHEMISTRY

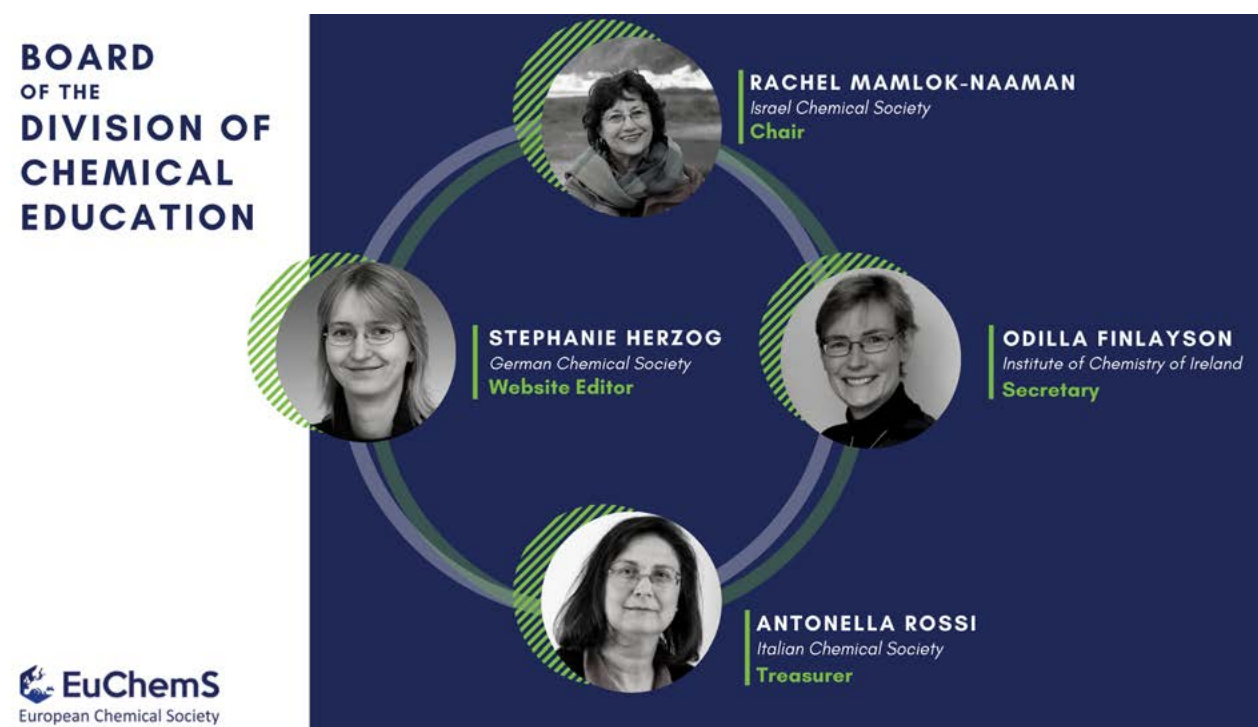
EuChemS
European Chemical Society



The EuChemS Division of Analytical Chemistry is a network of representatives from EuChemS member societies in all fields of analytical science which endeavours to give a voice to the interdisciplinary field of analytical sciences and develop links with related institutions across the world. The Division implements its strategy which includes developing the profile of Analytical Chemistry, enhancing the activities of Study Groups and Task Forces, the organisation and promotion of EUROANALYSIS conferences, encourage co-operation with other EuChemS divisions as well as co-operation with the American Chemical Society (ACS).

<https://www.euchems.eu/divisions/analytical-chemistry/>

DIVISION OF CHEMICAL EDUCATION



The EuChemS Division of Chemical Education aims to promote chemical education research and practices in Europe, as well as improve the dissemination of information. The Division runs biennial conferences and takes part in various initiatives including the development of the online course “Good Chemistry – Methodological, Ethical and Social Dimensions”. Moreover, the Division developed a questionnaire on the quality mark of pre-service chemistry teachers, focusing on learning outcomes and competences, both in didactics-pedagogy of chemistry to achieve such goals. In 2021, the EuChemS Division of Chemical Education tried to develop teaching strategies for on-line education.

<https://www.euchems.eu/divisions/chemical-education-2/>

DIVISION OF CHEMISTRY AND ENERGY



The EuChemS Division of Chemistry and Energy aims to become a key forum for discussion and promotion of initiatives at the scientific, technical, and political levels to advocate for the leading role of chemistry in contemporary energy research. It organises conferences and workshops on energy-related topics in cooperation with other scientific, industrial, and political stakeholders at the national and European level. The Division also aims to support activities, organise platforms, attract funding, enhance networking opportunities, and promote education related to energy and chemistry in Europe.

<https://www.euchems.eu/divisions/chemistry-and-energy/>

DIVISION OF CHEMISTRY AND THE ENVIRONMENT



The overall aim of the EuChemS Division of Chemistry and the Environment is to promote and support cooperation in the area of chemistry and the environment, identify important areas in science, technology, and other human activities relevant to the subject, and to address aspects which need regulation, harmonisation, standardisation or codification, and to make recommendations as appropriate. The Division meets twice every year and is working on preparations for its upcoming Divisional Congress.

<https://www.euchems.eu/divisions/chemistry-and-the-environment-2/>

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. The Division promotes scientific activities, conferences, and networking opportunities for a subject at the frontier of chemistry, biology, and biomedicine. We devote special emphasis on the science made by young researchers.

<https://www.euchems.eu/divisions/chemistry-in-life-sciences-2/>

DIVISION OF COMPUTATIONAL AND THEORETICAL CHEMISTRY



The EuChemS Division of Computational and Theoretical Chemistry endeavours to demonstrate the pervasive nature of computer science and technologies to enhance research and education in chemistry, molecular, and materials sciences. The Division promotes the development of virtual research and education communities, and fosters collaborative activities between theoreticians and experimentalists, academics and professors, teachers and students.

<https://www.euchems.eu/divisions/computational-chemistry-2/>

DIVISION OF FOOD CHEMISTRY



The EuChemS Division of Food Chemistry aims to represent food sectors of national chemical societies at the European level and to promote and harmonise teaching of food chemistry within food science across Europe, notably through conferences, technical roundtables, advanced schools, and training activities. The Division also aims to actively participate in the policy debate and in giving feedback through EuChemS to European decision-makers. Advanced research in food composition, food authenticity, impact of technologies/processing, chemical/biochemical modifications in foods, additives and contaminants are the main fields of interest of the Division.

<https://www.euchems.eu/divisions/food-chemistry-2/>

DIVISION OF GREEN AND SUSTAINABLE CHEMISTRY



The EuChemS Division of Green and Sustainable Chemistry aims to become the key forum for discussion and promotion of initiatives at the scientific, technical, and political level to advocate the leading role of green chemistry research. The Division organises conferences, workshops, and support activities that foster multidisciplinary cross-fertilisation of ideas to promote the advancement of Sustainability and Green Chemistry. The Division actively promotes the teaching of Green Chemistry within the curricula of bachelors, masters, and doctoral levels. The Division also recognises scientists that make outstanding contributions to the development of green and sustainable chemistry by launching the biennial European Sustainable Chemistry Award (ESCA).

<https://www.euchems.eu/divisions/green-and-sustainable-chemistry-2/>

DIVISION OF INORGANIC CHEMISTRY



The EuChemS Division of Inorganic Chemistry provides a forum for the interdisciplinary field of inorganic chemistry and its applications. The Division promotes the dissemination of inorganic chemistry through its biennial conference as well as dedicated initiatives and activities. It also supports high level education through specialised schools and the production of dedicated books and other publications.

<https://www.euchems.eu/divisions/inorganic-chemistry/>

DIVISION OF NUCLEAR AND RADIOCHEMISTRY



The EuChemS Division of Nuclear and Radiochemistry provides a platform for a network of scientists working in nuclear and radiochemistry across Europe to share ideas and cooperate on concrete projects. Cooperation with relevant supranational bodies such as IUPAC and IAEA, as well as with journals and newsletters provides a broad network reaching outside of Europe too. The main objective of the Division is to contribute to the advancement of nuclear and radiochemistry in Europe, and to harmonise education and training on the subject in Europe.

<https://www.euchems.eu/divisions/nuclear-and-radiochemistry-2/>

DIVISION OF ORGANIC CHEMISTRY



The EuChemS Division of Organic Chemistry aims to promote Organic Chemistry in Europe in all the scientific and professional contexts. It supports networking among organic chemists and excellence in research and ethical values. The Division's hallmark activity is the creation of the Young Investigator's Workshop (YIW) to further promote and recognise academic excellence in organic chemistry within (and outside) Europe. In 2019, agreements were finalised with the American Chemical Society and the Canadian Chemical Society to support greater exchanges for the YIW. Further bilateral agreements with other societies worldwide are planned.

<https://www.euchems.eu/divisions/organic-chemistry-2/>

DIVISION OF ORGANOMETALLIC CHEMISTRY



The EuChemS Division of Organometallic Chemistry acts as an active, trusted, and sustainable voice for all matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry. The Division provides and coordinates activities such as congresses, schools and workshops for students and researchers. The Division also continues to present the European Prize for Organometallic Chemistry.

<https://www.euchems.eu/divisions/organometallic-chemistry-2/>

DIVISION OF PHYSICAL CHEMISTRY



The EuChemS Division of Physical Chemistry aims to strengthen the interaction of physical chemists throughout Europe. It supports Physical-Chemical conferences, workshops, and meetings. It aims to increase the networking and communication among its active division members. Through these, the Division tries to integrate and coordinate scientific activities - both national and international. The Division also provides support of physical chemical education and teaching and pays special attention to the promotion of young scientists' careers.

<https://www.euchems.eu/divisions/physical-chemistry-2/>

DIVISION OF SOLID STATE AND MATERIALS CHEMISTRY



The EuChemS Division of 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. The Division aims to bring together the various sub-disciplines of the field and coordinate activities with existing national associations as well as with industry, solid state and materials chemistry being application oriented.

<https://www.euchems.eu/divisions/solid-state-and-materials-chemistry/>

WORKING PARTY ON CHEMISTRY FOR CULTURAL HERITAGE



The EuChemS Working Party on Chemistry for Cultural Heritage aims to create links the world over, as well as closely collaborate with the professional conservation community, e.g. International Institute for Conservation (IIC), International Council of Museums – committee for conservations (ICOM-CC), European Network for Conservation-Restoration Education (ENCoRe)... It aims to motivate and assist national chemical societies in promoting the interest and knowledge of the relation between chemistry and cultural heritage in Europe.

<https://www.euchems.eu/divisions/chemistry-for-cultural-heritage-2/>

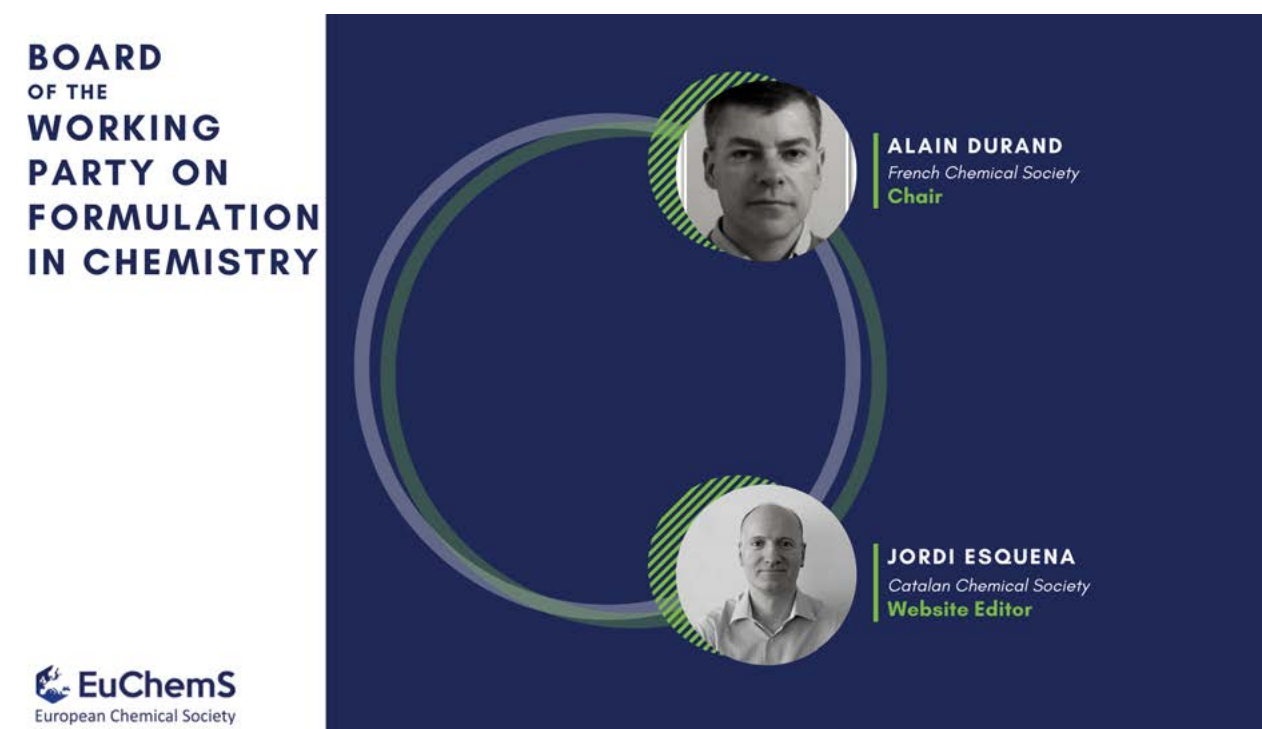
WORKING PARTY ON ETHICS IN CHEMISTRY



The EuChemS Working Party on Ethics in Chemistry aims to assist in the propagation of ethical guidelines within the chemical community, and to help by dialectical reasoning in resolving controversies or dilemmas about the consequences, benefits and problems arising from the practice of chemistry. Towards this end, the Working Party intends to consult and cooperate with other public organisations such as the Organisation for the Prohibition of Chemical Weapons (OPCW) and national or European science-administrative bodies. A particular goal is to promote between chemical professionals a better understanding of the importance of ethical considerations in all areas of chemical research and applied chemistry by education.

<https://www.euchems.eu/divisions/ethics-in-chemistry/>

WORKING PARTY ON FORMULATION IN CHEMISTRY



The main objective of this working party is to serve as a common platform for the gathering of European chemists and specialists with common interests in the field of formulation, which is the scientific and technological field about the art of combining together individual components, by the appropriate methods, obtaining the desired structures and achieving the targeted performance of the product. The specific aims of our Working Party are promoting the co-operation between European scientists in the field of formulation; promoting exchanges between scientists from academia and industry and developing interactions with companies; and promoting exchanges and reflexions about the teaching of formulation.

<https://www.euchems.eu/divisions/working-party-formulation-chemistry/>

WORKING PARTY ON THE HISTORY OF CHEMISTRY



The EuChemS Working Party on the History of Chemistry leads a number of projects to promote the history of chemistry and serves as a platform for international networking. Over the years, the international conference organised on a biennial basis has become a key event in the history of science community, bringing together chemists and historians from across Europe and beyond to investigate and discuss the latest research and reflections on a wide variety of aspects of the heritage and the history of the molecular sciences. The Working Party also contributes to EuChemS responses to EU-level consultations and to the Historical Landmarks Award and contributed to the International Year of the Periodic Table.

<https://www.euchems.eu/divisions/history-of-chemistry-2/>

THE EUROPEAN YOUNG CHEMISTS' NETWORK (EYCN)














EYCN Board in place since March 2021.

The European Young Chemists' Network is the young division of EuChemS. Aside from the Board, the EYCN also has teams i.e., Communication, Global Connections, Membership, Networks, and Science, and the team leaders include Patrick W. Fritz, Shona Richardson, Denisa Vargová, Claudia Bonfio, and Sebastian Balser respectively. The goal of the EYCN is to provide a platform to exchange ideas, start projects and improve the visibility of chemistry. The EYCN aims to create new educational and networking opportunities for early-career chemists by promoting several awards, organising workshops and fostering exchange programmes to promote the mobility of its members. Through collaborating with industry and other scientific societies around the world, the EYCN aims to tackle these ambitious goals. The EYCN has delegates and representatives in 28 countries (from 30 chemical societies). If your society is a member of EuChemS and not yet active in the EYCN, you can contact membership@eycn.eu
















<https://www.euchems.eu/divisions/european-young-chemists-network/>

MEMBER SOCIETIES AND SUPPORTING MEMBERS

MEMBER SOCIETIES:

	Osterreichische Gesellschaft für Analytische Chemie	<i>Austrian Society of Analytical Chemistry</i>
	Gesellschaft Österreichischer Chemiker	<i>Austrian Chemical Society</i>
	Société Royale de Chimie	<i>Walloon Royal Society of Chemistry</i>
	Koninklijke Vlaamse Chemische Vereniging	<i>Royal Flemish Chemical Society</i>
	Съюза на химиците в България	<i>Union of Chemists of Bulgaria</i>
	Hrvatsko kemijsko društvo	<i>Croatian Chemical Society</i>
	Παγκύπρια Ένωση Επιστημόνων Χημικών	<i>Pancyprian Union of Chemists</i>
	Ceská společnost Chemická	<i>Czech Chemical Society</i>
	Kemisk Forening	<i>Danish Chemical Society</i>
	Eesti Keemia Selts	<i>Estonian Chemical Society</i>
	Suomalaisten Kemistien Seura	<i>Finnish Chemical Society</i>

	Société Chimique de France	<i>French Chemical Society</i>
	Gesellschaft Deutscher Chemiker	<i>German Chemical Society</i>
	Deutsche Bunsen-Gesellschaft für Physikalische Chemie	<i>German Bunsen Society for Physical Chemistry</i>
	Ένωση Ελλήνων Χημικών	<i>Association of Greek Chemists</i>
	Magyar Kémikusok Egyesülete	<i>Hungarian Chemical Society</i>
	Instituid Ceimice Na Héireann	<i>Institute of Chemistry of Ireland</i>
	הימכל תילארשיה הרבחה	<i>Israel Chemical Society</i>
	Società Chimica Italiana	<i>Italian Chemical Society</i>
	Association Luxembourgeoise de Chimistes	<i>Association of Luxembourgish Chemists</i>
	Hemijsko društvo Crne Gore	<i>Chemical Society of Montenegro</i>
	Koninklijke Nederlandse Chemische Vereniging	<i>Royal Netherlands Chemical Society</i>
	Cojuz na hemicharite i tehnolozite na Makedonija	<i>Society of Chemists and Technologists of Macedonia</i>
	Norsk Kjemisk Selskap	<i>Norwegian Chemical Society</i>
	Polskie Towarzystwo Chemiczne	<i>Polish Chemical Society</i>
	Sociedade Portuguesa de Química	<i>Portuguese Chemical Society</i>

	Sociedade Portuguesa de Electroquímica	<i>Portuguese Electrochemical Society</i>
	Societatea de Chimie din Romania	<i>Romanian Chemical Society</i>
	Российское химическое общество им. Д.И. Менделеева	<i>Mendeleev Russian Chemical Society</i>
	Научный совет по аналитической химии	<i>Russian Scientific Council on Analytical Chemistry</i>
	Српско хемијско друштво – Srpsko hemijsko društvo	<i>Serbian Chemical Society</i>
	Slovenská chemická spoločnosť	<i>Slovak Chemical Society</i>
	Slovensko kemijsko društvo	<i>Slovenian Chemical Society</i>
	Real Sociedad Española de Química	<i>Spanish Royal Society of Chemistry</i>
	Sociedad Española de Química Analítica	<i>Spanish Society for Analytical Chemistry</i>
	Asociación Nacional de Químicos e Ingenieros Químicos de España	<i>National Association of Chemists and Chemical Engineers of Spain</i>
	Societat Catalana de Química	<i>Catalan Chemical Society</i>
	Svenska Kemisamfundet	<i>Swedish Chemical Society</i>
	Société Suisse de Chimie – Schweizerische Chemische Gesellschaft	<i>Swiss Chemical Society</i>
	Türkiye Kimya Derneği	<i>Turkish Chemical Society</i>
	Royal Society of Chemistry	<i>Royal Society of Chemistry</i>

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	European Federation of Managerial Staff in the Chemical and Allied Industries (FECCIA)
	European Research Institute of Catalysis (ERIC)
	European Federation for Medicinal Chemistry and Chemical Biology (EFMC)
	International Sustainable Chemistry Collaborative Centre (ISC3)
	Chemistry Europe
	Consiglio Nazionale delle Ricerche – Italian National Research Council (CNR)

PARTNERS AND OBSERVERS:



IUPAC – International Union for Pure and Applied Chemistry



ACS – American Chemical Society



FACS – Federation of Asian Chemical Societies



EPS – European Physical Society



Cefic European Chemical Industry Council



COST Chemistry and Molecular Sciences and Technologies



ERA-Chemistry Network



EFCE – European Federation of Chemical Engineering





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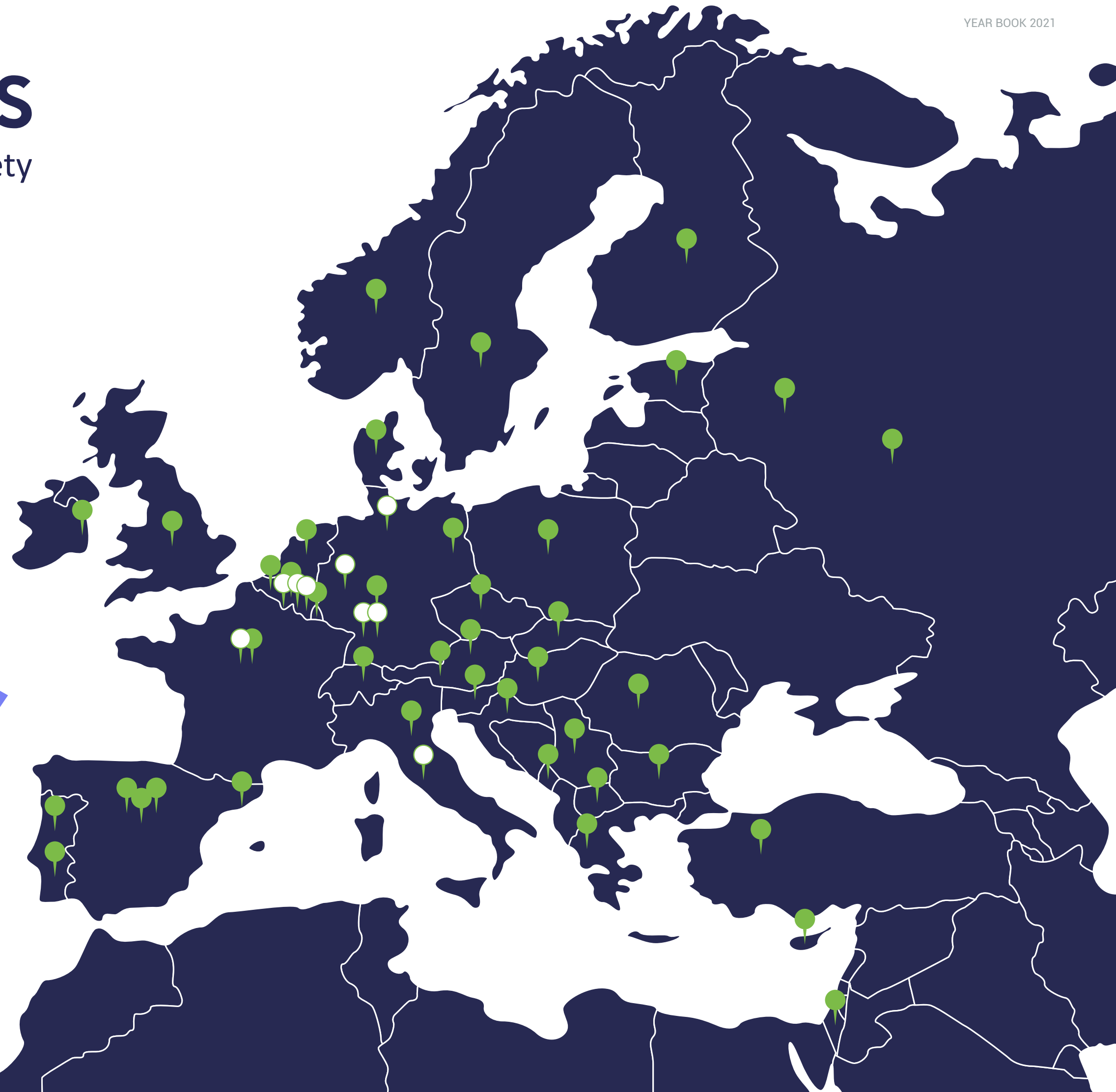


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EuChemS Executive Board: www.euchems.eu/about-us/executive-board/

EuChemS Task Groups: www.euchems.eu/euchems-task-groups/

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EuChemS on YouTube: www.youtube.com/euchems

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EuChemS on LinkedIn: www.linkedin.com/company/18552228/

EuChemS on Facebook: www.facebook.com/EuChemS

High Level Roundtable on the implementation of the Chemicals Strategy for Sustainability: <https://ec.europa.eu/transparency/expert-groups-register/screen/expert-groups/consult?lang=en&groupID=3757>

EuChemS and the Chemicals Strategy for Sustainability: www.euchems.eu/policy-and-communication/chemicals-strategy/

The Carbon Element – Key towards a sustainable society: www.euchems.eu/carbon-element-webinar/

Recording of the morning session of the webinar 'The Carbon Element – Key towards a sustainable society': www.youtube.com/watch?v=Ug-4f2VDynxM

Recording of the afternoon session of the webinar 'The Carbon Element – Key towards a sustainable society': www.youtube.com/watch?v=FL8voptymCg

EuChemS press release on the Updated version of the EuChemS Periodic Table released, November 2021: www.euchems.eu/wp-content/uploads/2021/11/211103Press-Release-Periodic-Table.pdf

EuChemS press releases: www.euchems.eu/policy-and-communication/press-releases/

Translations for the Periodic Table (edition 2 | 2021): www.euchems.eu/translation-periodic-table-edition-2-2021/

The Lithium Element – Enabler of the Energy Transition: www.euchems.eu/lithium-element-webinar/

Recording of the morning session of the webinar 'The Lithium Element – Enabler of the Energy Transition: https://youtu.be/-U_mOh90IKA

Recording of the afternoon session of the webinar 'The Lithium Element – Enabler of the Energy Transition': <https://youtu.be/1yK2yIkGQ48>

EuChemS Response to the European Commission Public Consultation on the Revision of the Urban Waste Water Treatment Directive: www.euchems.eu/wp-content/uploads/2021/08/2021_EuChemS_Waste_Water_response.pdf

EuChemS Response to the European Commission Roadmap on the Data Act & amended rules on the legal protection of databases: https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/13045-Data-Act-&-amended-rules-on-the-legal-protection-of-databases/F2660223_en

EuChemS Response to the European Commission Public Consultation on the new Soil Strategy: www.euchems.eu/wp-content/uploads/2021/05/EuChemS-Response-to-the-Public-Consultation-on-the-new-soil-strategy.pdf

EuChemS Response to the European Commission Public Consultation on Mercury: https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12924-Mercury-review-of-EU-law/F2177133_en

EuChemS responses to public consultations: www.euchems.eu/policy-and-communication/policy-positions/

EuChemS Brussels News Updates (BNU) newsletter: www.euchems.eu/newsletters/

EuChemS @ Global Women's Breakfast 2021: www.euchems.eu/join-us-global-womens-breakfast-2021/

Recording of the webinar 'EuChemS @Global Women's Breakfast 2021': <https://youtu.be/tl-ZT-JNaIE8>

EuChemS @ WiFo 2021: www.euchems.eu/wifo2021/

Good Chemistry – Do Chemists Need Ethics?: www.euchems.eu/good-chemistry-webinar/

Recording of the webinar 'Good Chemistry – Do Chemists Need Ethics?': <https://youtu.be/0aGh-rRFdOpQ>

Towards a more inclusive chemistry community: www.euchems.eu/inclusive-chemistry-webinar/

Recording of the webinar 'Towards a more inclusive chemistry community': <https://youtu.be/jbUsZMgqOUI>

EuChemS press release on 'EuChemS Historical Landmarks Award plaque unveiled at Almadén mines', September 2021: www.euchems.eu/wp-content/uploads/2021/09/Press-release-Almadén-mine-EuChemS-17-09-2021_docx.pdf

Booklet EuChemS Historical Landmark Minas de Almadén (I.S.B.N.: 978-84-9044-478-8): www.euchems.eu/wp-content/uploads/2021/09/AGENDA-BOOKLET_Almadén_0109211.pdf

EuChemS e-Learning platform: <https://elearning-euchems.eu/>

Chemistry in Europe (CiE) newsletter: www.euchems.eu/newsletters/

Subscription to the EuChemS newsletters: www.euchems.eu/newsletters/signup/

European Chemistry Gold Medal: www.euchems.eu/awards/european-chemistry-gold-medal/

2022 European Chemistry Gold Medal awarded to Professor Dame Carol Robinson: www.euchems.eu/2022-gold-medal/

Video for the European Chemistry Gold Medal - EuChemS Awards Information Session: <https://youtu.be/pSV9wk5k9cw>

EuChemS Lecture Award: www.euchems.eu/awards/lecture-award/

Professor Victor Mougél: Recipient of the 2020 EuChemS Lecture Award: www.euchems.eu/2020-lecture-award/

Video for the EuChemS Lecture Award - EuChemS Awards Information Session: <https://youtu.be/XO3YEPLP-34>

EuChemS Award for Service: www.euchems.eu/awards/award-for-service/

2 awardees for the 2020 EuChemS Award for Service: www.euchems.eu/2020-euchems-award-service/

Video for the EuChemS Award for Service - EuChemS Awards Information Session: <https://youtu.be/C-3PL0nbfrk>

EuChemS Historical Landmarks Award 2020 – European Level: www.euchems.eu/historical-landmarks-2020-european-level/

EuChemS Historical Landmarks Award: www.euchems.eu/awards/euchems-historical-landmarks/

Video for the EuChemS Historical Landmarks Award - EuChemS Awards Information Session: <https://youtu.be/DbFLHEIO6UI>

EuChemS EUCYS Award: www.euchems.eu/awards/euchems-eucys-award/

Video for the European Young Chemists' Award (EYCA) - EuChemS Awards Information Session: <https://youtu.be/cH5ld8P1CQI>

Recording of the '2019 EuChemS Lecture Awardee' webinar: <https://youtu.be/UkMC9Kp1Fjo>

8th European Chemistry Congress: <https://euchems2022.eu/>

Sustainable Chemistry Lecture Series 1 – SLCS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-1/

1st Greenering International Conference: www.euchems.eu/events/1st-greenering-international-conference/

Sustainable Chemistry Lecture Series 2 – SLCS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-2/

Mechanochemistry meets Industry: www.euchems.eu/events/mechanochemistry-meets-industry/

Sustainable Chemistry Lecture Series 3 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-3/

EuSamplePrep Conference: www.euchems.eu/events/eusampleprep-conference/

Mechanochemistry: from supramolecular to covalent bonds – synthesis and structural characterization: www.euchems.eu/events/mechanochemistry-training-school/

Advances in Food Chemistry 2021 Conference (AdFoodChem 2021): www.euchems.eu/events/advances-in-food-chemistry-2021-conference/

Sustainable Chemistry Lecture Series 4 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-4/

Cutting-Edge Homogeneous Catalysis – CEHC-1: www.euchems.eu/events/cutting-edge-homogeneous-catalysis/

International School of Process Chemistry – IS-PROCHEM: www.euchems.eu/events/international-school-of-process-chemistry-isprochem-2/

Webinar Series on Food Chemistry – Why should anyone need a food chemist?: www.euchems.eu/events/webinar-series-on-food-chemistry/

7th Portuguese Young Chemists Meeting – 7PY-CheM: www.euchems.eu/events/7-pychem/

Bioinks, a prelude to tomorrow's medicine?: www.euchems.eu/events/bioinks-prelude-to-morrow-medicine/

Heritage and History of Chemistry – WPHC online event: www.euchems.eu/events/heritage-and-history-of-chemistry-wphc-online-event/

Sustainable Chemistry Lecture Series 5 – SLCS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-5/

1st Young Investigator Workshop of the EuChemS Division of Chemistry for Life Science: www.euchems.eu/events/young-investigator-workshop-chemistry-life-science/

7th European Chemical Biology Symposium (7ECBS): www.euchems.eu/events/7-european-chemical-biology-symposium/

"Attilio Corbella" International Summer School on Organic Synthesis – ISOS 2021: www.euchems.eu/events/isos-2021/

Webinar Series on Food Chemistry – Emerging Mycotoxins in the food chain: <https://www.euchems.eu/divisions/food-chemistry-2/news/>

Challenges and food safety: www.euchems.eu/events/webinar-series-on-food-chemistry-2/

Sustainable Chemistry Lecture Series 6 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-6/

Macrowine 2021: www.euchems.eu/events/macrowine-2021/

Green Chemistry Summer School 2021: www.euchems.eu/events/green-chemistry-summer-school-2021/

9th European Variety in University Chemistry Education – Eurovariety 2021: www.euchems.eu/events/9th-european-variety-in-university-chemistry-education-eurovariety-2021/

Sustainable Chemistry Lecture Series 7 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-7/

Online satellite meeting – 18th European Conference on Solid State Chemistry (ECSSC2021): www.euchems.eu/events/18th-european-conference-on-solid-state-chemistry-ecssc2021/

GDCh Science Forum Chemistry 2021 – WiFo 2021: www.euchems.eu/events/gdch-science-forum-chemistry-2021-wifo-2021/

XXIV European Conference on Organometallic Chemistry – EUCOMC XXIV: www.euchems.eu/events/xxiv-european-conference-on-organometallic-chemistry-eucomc-xxiv/

25th Conference on Isoprenoids: www.euchems.eu/events/25th-conference-on-isoprenoids/

Sustainable Chemistry Lecture Series 8 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-8/

2021 DAC-EuChemS Lectures Awardees Webinar: www.euchems.eu/events/2021-dac-lectures-awardees/

Webinar series on Food Chemistry – Chemistry behind pleasure: exploring aroma quality by multidimensional analytical techniques: www.euchems.eu/events/webinar-series-food-chemistry/

5th EuChemS Conference on Green and Sustainable Chemistry – EUGSC-5: www.euchems.eu/events/5th-euchems-conference-on-green-and-sustainable-chemistry-eugsc-5/

Sustainable Chemistry Lecture Series 9 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-9/

13th European Conference on Computational and Theoretical Chemistry - EUCO-CTC 2021: https://youtu.be/s1sk5DOMH_8

XXI EuroFoodChem: www.euchems.eu/events/xxi-eurofoodchem/

Sustainable Chemistry Lecture Series 10 – SCLS: www.euchems.eu/events/sustainable-chemistry-lecture-series-scls-10/

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EuChemS Working Party on Formulation in Chemistry: www.euchems.eu/divisions/working-party-formulation-chemistry/

EuChemS Working Party on the History of Chemistry: www.euchems.eu/divisions/history-of-chemistry-2/

European Young Chemists' Network: www.euchems.eu/divisions/european-young-chemists-network/

EuChemS Member Societies: www.euchems.eu/members-3/member-societies/

EuChemS Supporting Members: www.euchems.eu/members-3/supporting-members/

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Austrian Society of Analytical Chemistry: www.asac.at/

Austrian Chemical Society: www.goech.at/

Walloon Royal Society of Chemistry: <https://src.ulb.be/>

Royal Flemish Chemical Society: www.kvcv.be/

Union of Chemists of Bulgaria: www.unionchem.org/index.php?lang=1

Croatian Chemical Society: www.hkd.hr/

Pancyprian Union of Chemists: www.chemistry.org.cy/

Czech Chemical Society: www.csch.cz/en

Danish Chemical Society: www.chemsoc.dk/

Estonian Chemical Society: www.keemiaselts.ee/english

Finnish Chemical Society: www.suomalaistenkemistienseura.fi/

French Chemical Society: www.societechimiquedefrance.fr/

German Chemical Society: www.gdch.de/

German Bunsen Society for Physical Chemistry: <https://bunsen.de/>

Association of Greek Chemists: www.eex.gr/

Hungarian Chemical Society: www.mke.org.hu/

Institute of Chemistry of Ireland: www.chemistryireland.org/

Israel Chemical Society: www.chemistry.org.il/

Italian Chemical Society: www.soc.chim.it/

Association of Luxembourgish Chemists: www.science.lu/fr/association-luxembourgeoise-chimistes-achil

Chemical Society of Montenegro: www.hdcg.me/

Royal Netherlands Chemical Society: www.kncv.nl/

Society of Chemists and Technologists of Macedonia: www.sctm.mk/

Norwegian Chemical Society: www.kjemi.no/

Polish Chemical Society: www.ptchem.pl/

Portuguese Chemical Society: www.spq.pt/

Portuguese Electrochemical Society: <https://electroquimica.pt/>

Romanian Chemical Society: www.schr.ro/

Mendeleev Russian Chemical Society: www.chemsoc.ru/

Russian Scientific Council on Analytical Chemistry: www.rusanalytchem.org/default.aspx

Serbian Chemical Society: <https://shd.org.rs/>

Slovak Chemical Society: www.schems.sk/

Slovenian Chemical Society: www.chem-soc.si/

Spanish Royal Society of Chemistry: www.rseq.org/

Spanish Society for Analytical Chemistry: www.seqa.es/

National Association of Chemists and Chemical Engineers of Spain: www.anque.es/

Catalan Chemical Society: <http://scq.iec.cat/>

Swedish Chemical Society: www.chemsoc.se/

Swiss Chemical Society: <https://scg.ch/>

Turkish Chemical Society: www.turchemsoc.org/

Royal Society of Chemistry: www.rsc.org/

European Nanoporous Materials Institute of Excellence (ENMIX): <https://enmix.org/>

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European Research Institute of Catalysis (ERIC): www.eric-aisbl.eu/

European Federation for Medicinal Chemistry and Chemical Biology (EFMC): www.efmc.info/

International Sustainable Chemistry Collaborative Centre (ISC3): www.isc3.org/en/home.html

Chemistry Europe: <https://chemistry-europe.onlinelibrary.wiley.com/>

Italian National Research Council (CNR): www.cnr.it/en

American Chemical Society (ACS): www.acs.org/content/acs/en.html

European Chemical Industry Council (Cefic): www.cefic.be/

International Union of Pure and Applied Chemistry (IUPAC): <https://iupac.org/>

Chemistry and Molecular Sciences and Technologies (COST): www.cost.esf.org/domains/actions/cmst

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www.euchems.eu

secretariat@euchems.eu

Rue du Trône 62, B-1050 Brussels, Belgium



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