

EYCN

European Young Chemists' Network

Alice SOLDÀ, Ph.D.

Chair of the EYCN

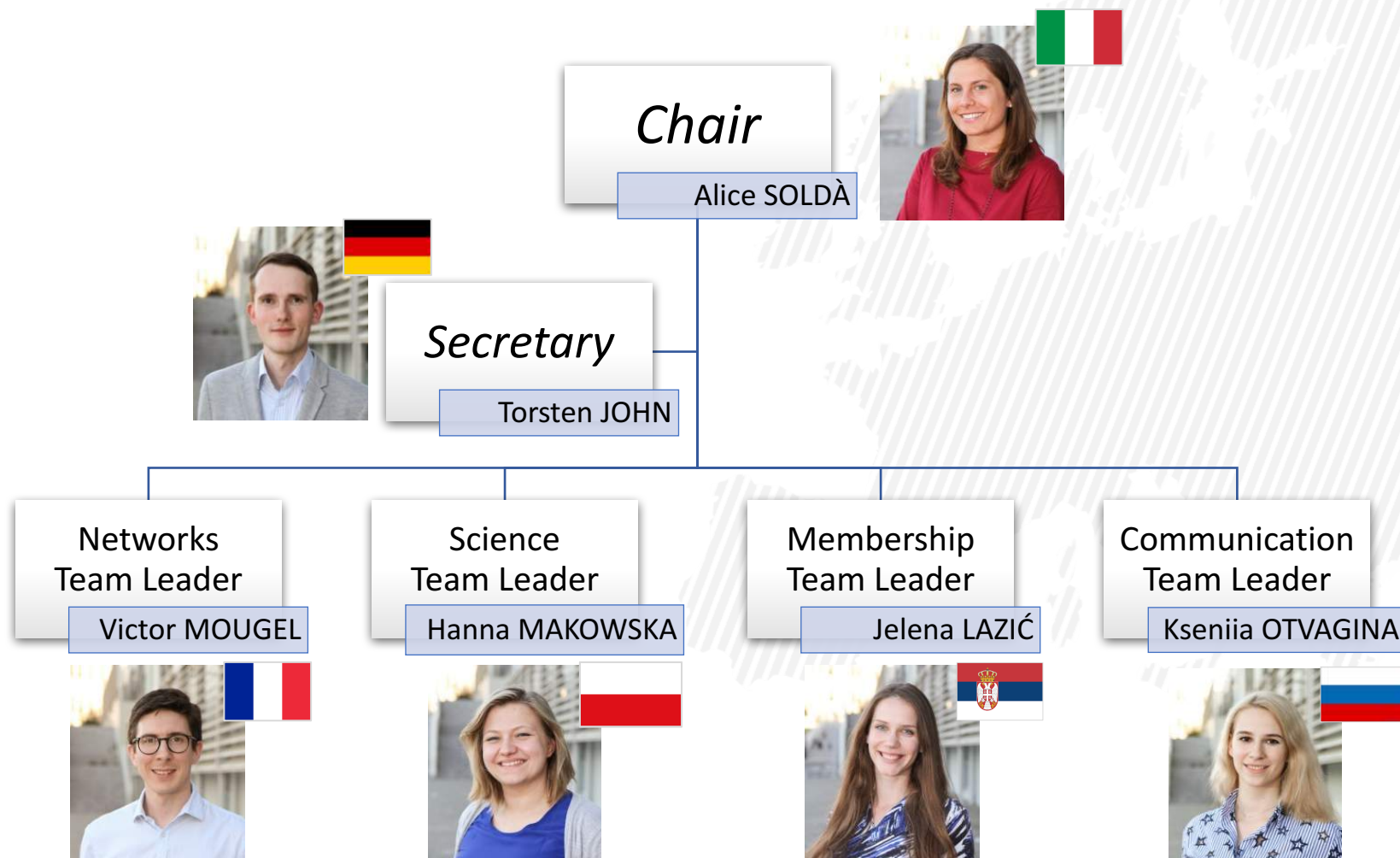
chair@eycn.eu

www.eycn.eu

partners with:



EYCN Board 2017-2019



Goals of the EYCN

Provide a platform to **exchange new ideas and projects** for young chemists around Europe & beyond

Promote the **exchange of knowledge and experience** among young chemists

Mentoring, educating and supporting young researchers at the beginning of their career

Improve the visibility of chemistry and bring it closer to a wider audience, also outside the research field



13th Delegates' Assembly



13th DA
Torino 2018

6 - 9 May 2018

Mainly sponsored by:



36 Delegates → New delegates!

22 countries and 24 societies

Many Invited speakers:

- EuChemS President
- Evonik Industries
- IYCN Representative
- 2 ACS-YCC Delegates (USA)
- RSC (Sarah Thomas)
- Soft-Skills talks
(Education in Chemistry,
Mobility and Mentoring
Project, etc.)



Membership Team

Leader: Jelena LAZIĆ - membership@eycn.eu



Projects:

- Arrange and update the EYCN **website**;
- **Keep track** of the active delegates and member societies, **renew connections** with the societies that stopped sending delegates, establish contact with **new societies**;
- Create the **Welcome Package** (Welcome Letter, Flyer, Fact Sheet);
- Update the **calendar** with all the EYCN recognized events organized by and for young scientists across Europe;
- Create a **statistics survey** about the EYCN delegates.

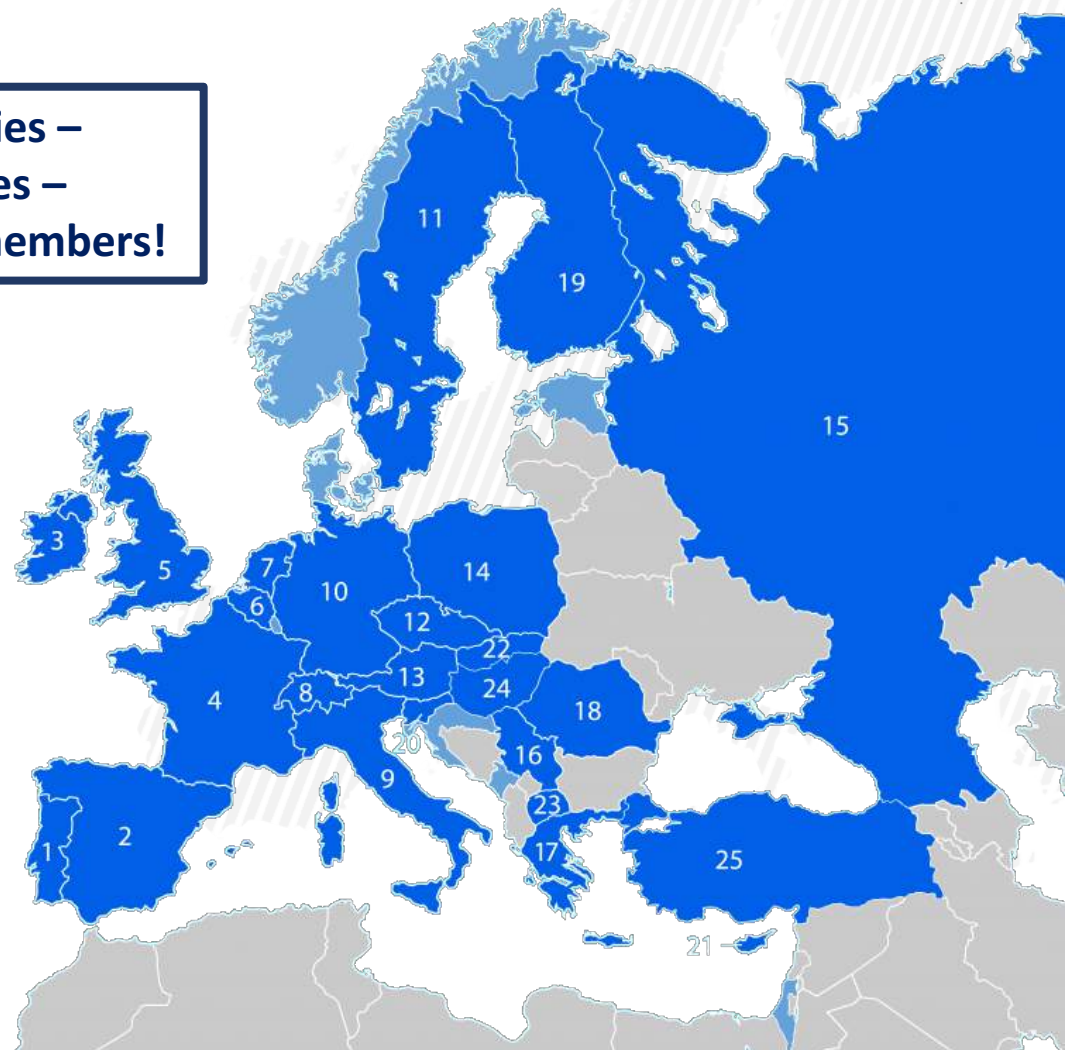
Members of the EYCN

1. Austria
2. Belgium
3. Cyprus
4. Czech Republic
5. Finland
6. France
7. Germany
8. Greece
9. Hungary
10. Ireland
11. Italy
12. Macedonia (FYROM)
13. Netherlands
14. Poland
15. Portugal
16. Romania
17. Russia
18. Serbia
19. Slovakia
20. Slovenia
21. Spain
22. Sweden
23. Switzerland
24. Turkey
25. United Kingdom

**25 Countries –
27 Societies –
> 43625 members!**

Part of EuChemS:

26. Croatia
27. Denmark
28. Estonia
29. Israel
30. Luxembourg
31. Montenegro
32. Norway



EYCN partnership

 **EuChemS**
European Chemical Sciences
European Young Chemists Network

partners with:
 **EVONIK**
POWER TO CREATE

The **European Young Chemists' Network (EYCN)**
and the European Association for Chemical and Molecular Sciences (EuChemS)
certify that

has been awarded the *EYCN Poster Award* for an excellent poster presentation
at the **Name of the Conference, in City (Country) on Month DD, YYYY.**

Prof. Pilar Goya-Laza
President of EuChemS


 **EUROPEAN CHEMICAL SCIENCES**

Dr. Alice Soldà
Chair of the EYCN

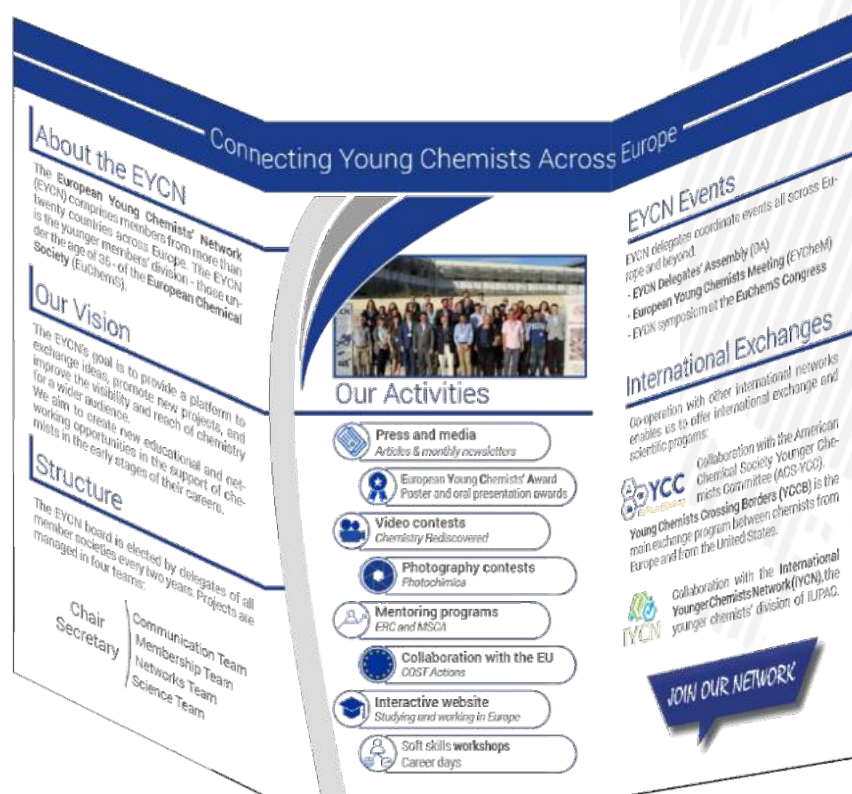
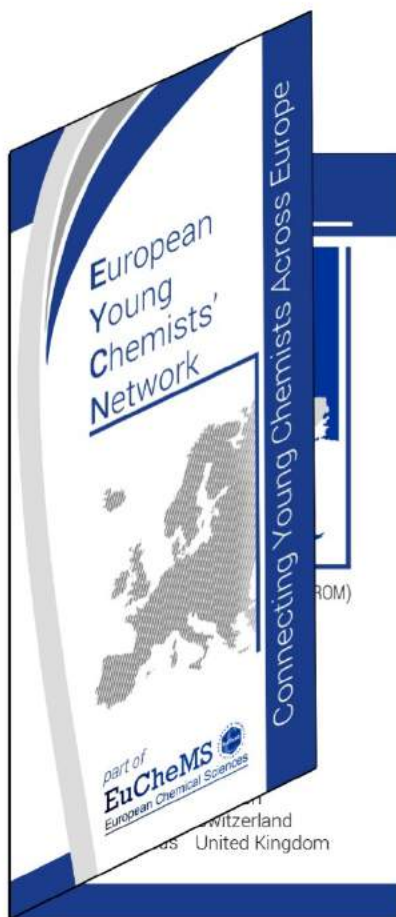

Since 2017, **21 projects** have been supported all across Europe:

- Best poster/oral presentation
- Support of the national events
- Establishing new young divisions



EYCN flyer

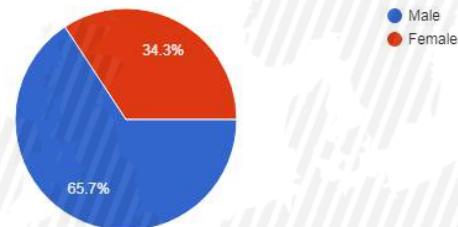
Project Leader: Julian Dutzler (Austria, EYCN Science Team)



EYCN delegate statistic

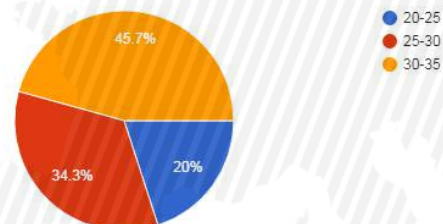
Out of the 35 official delegates:
 23 are male (65.7%),
 12 are female (34.3%).

Gender
35 responses



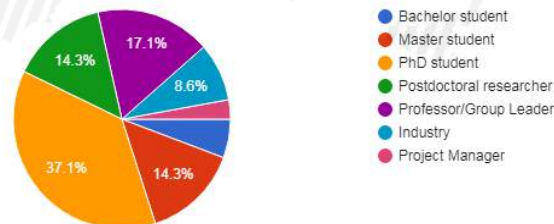
Out of the 35 official delegates:
 7 are between 20 and 25 years old (20%),
 12 are between 25 and 30 years old (34.3%),
 16 are between 30 and 35 years old (45.7%).

Age
35 responses



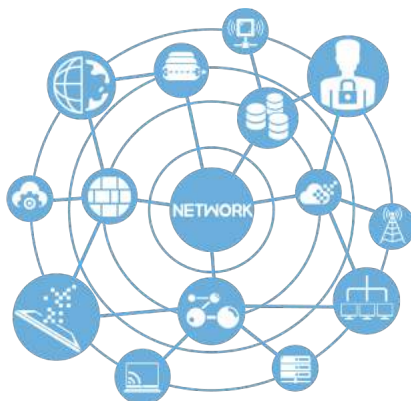
Out of the 35 official delegates:
 2 are Bachelor students (5.7%),
 5 are Master students (14.3%),
 13 are PhD students (37.1%),
 5 are Postdoctoral researchers (14.3%),
 6 are Professors or Group leaders (17.1%),
 3 work in industry (8.6%),
 1 is a project manager (2.9%).

Occupation
35 responses



Networks Team

Leader: Victor MOUGEL - networks@eycn.eu



Projects:

- Identify **networking opportunities** and set the ground for fruitful collaborations;
- Draft and **propose international projects** with various partners: European COST Actions, Marie Curie Training Networks, *etc...*
- Provide **training/support** for young chemists;
- **Connect former recipients** of European grants/fellowships with new applicants;
- **Develop** global and local **actions** aimed to increase EYCN impact and visibility;
- Make EYCN a known discussion partner regarding issues related to young chemists in Europe **for policy makers** at European and National level.

COST Action Collaboration

Project Leader: Sebastian Sobottka (Germany)

- 2016. COST Action CM1201. *Best project award.*
- 2017. COST Action CM1407. *Best project award.*
- 2018. *Still looking for a good partner.*
- 2018. Sebastian Sobottka will represent the EYCN as Young Advisor on the Initial Training Network NANO-HOST. Theme: "Bio-based products and materials: a European network for a sustainable circular economy" (Coordinator: Dr. Pierluigi Barbaro, ICCOM-CNR Firenze). November 2018.
- Alice Soldà is in contact Anna Toivonen, Communication Coordinator of COST Academy, launched in September 2017, for future collaboration.



Chemistry across Europe

Project Leader: Miguel Steiner (Austria)

Observations:

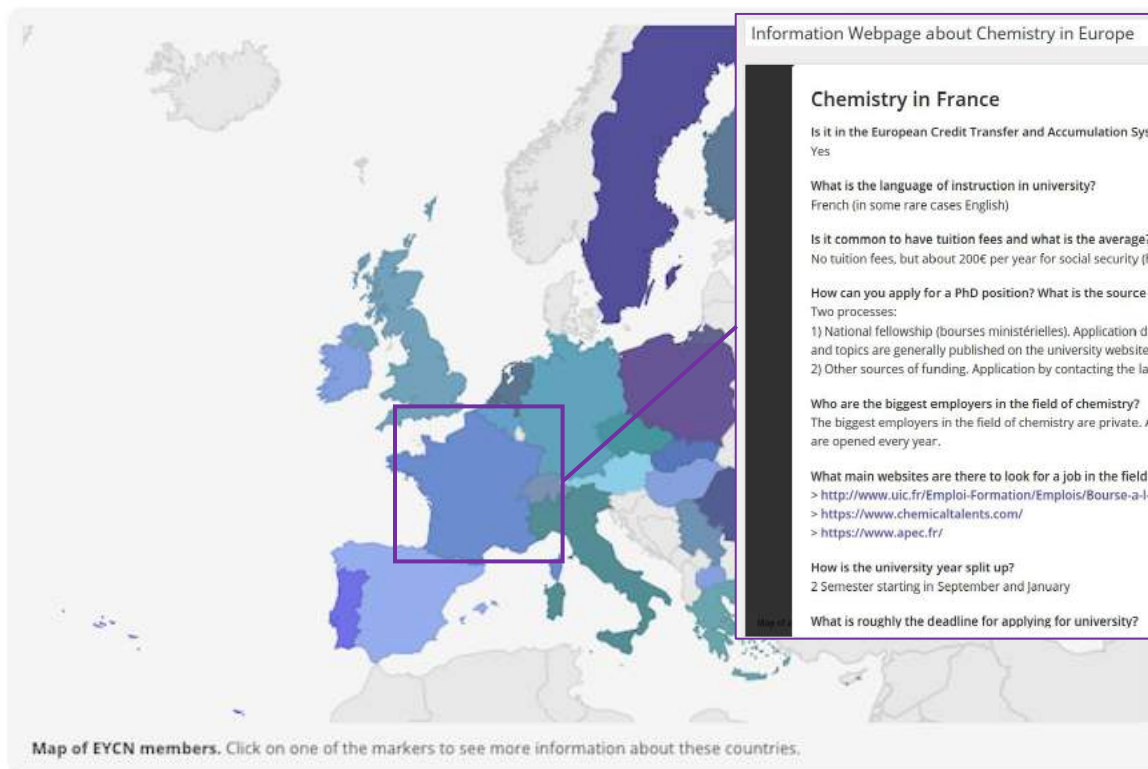
- Mobility of young workers across the EU countries is very low
- Conditions vary strongly between countries → long process of gathering information and comparing countries

Target of the EYCN:

- Offer an overview of all European countries regarding Chemistry in academia and industry on one webpage

Chemistry across Europe

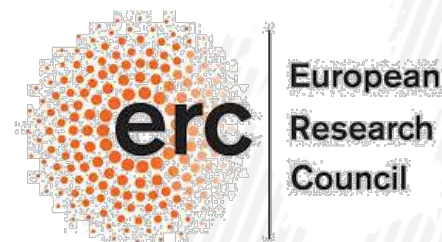
Project Leader: Miguel Steiner (Austria)



map.eycn.eu

Mentoring MSCA & ERC

Project Leader: Victor Mougel (France)



Observations:

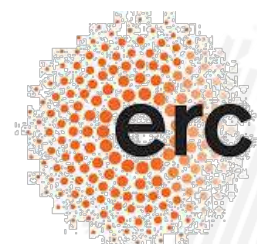
- Applying to MC fellowship and ERG StG is a complex process
- Support to the application is extremely heterogeneous in Europe

Target of the EYCN:

- Provide assistance for all European chemists to apply to MC fellowship and ERC StG
- The first seminar gained by experts and former grantees should take place at EuChemS conference 2018 in Liverpool!

Mentoring MSCA & ERC

Project Leader: Victor Mougel (France)



European
Research
Council

EuCheMS Liverpool - EYCN Conference

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	(parallel)
Morning		EYCN Speaker 1 EYCN Speaker 2 Coffee EYCN Speaker 3	EYCA PhD	EYCN Speaker 4 EYCN Speaker 5 Coffee EYCN Speaker 6	EYCN Soft Skills Workshops	RSC Early Career Symposium	YCCB Company Visit
Lunch		Lunch	Lunch	Lunch	Lunch		
Afternoon	Arrival	Session about EYCN Session about IYCN	EYCA Postdocs	EYCN Soft Skills Workshops	ERC and MSCA Training Workshop		
Evening	Welcome dinner	EYCN Networking and Career Fair		Science in a bar	Farewell dinner		



➤ The seminars will be recorded and shared on our social media!

Soft-skills platform

Project Leader: Federico Bella (Italy)

09/2017: *Poster Presentation: Tips, Trick & Tools* @ 5th Conference of Young Chemists of Serbia in Belgrade.

11/2017: *8 SIMPLE RULES to design a great POSTER* webinar @ the NNSTU n.a. R.E. Alekseev in Russia.

01/2018: *A postdoc in Europe? Why and how?* and *Scientific Presentations - Tips, Tricks and Tools* webinar @ the ABCChem in Cancún (Mexico).

08/2018: *Poster Presentation: Tips, Trick & Tools* @ ACS Meeting in Boston (USA).

09/2018: *How to prepare a good CV* @ Symposium of the Russian Chemical Society

09/2018: *Science communication* @ the Membrane summer school in Russia)

10/2018: *The Perspective of Young Chemists in Europe* @ Conference on Digitalization in the chemical industry in Tallinn, Estonia.

10/2018: *The Perspective of Young Chemists in Europe* @ 6th Conference of Young Chemists of Serbia.

11/2018: *Poster Presentation: Tips, Trick & Tools* @ "Campus Event" in Innsbruck, Austria.



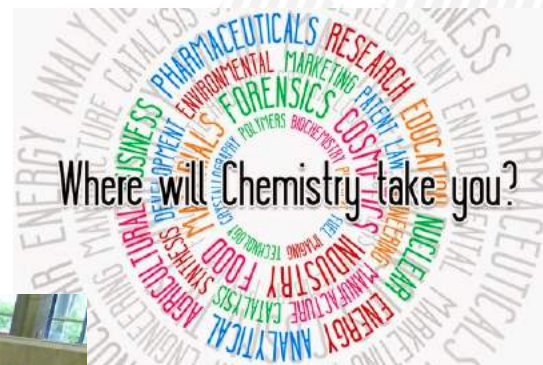
If you are organizing a workshop or a conference and you want to add in your program a soft-skills talk on paper writing, poster design, CV writing and EU project rules, please contact us! EYCN will be glad to give you our contribution!

2nd EYChem (2019)

Project Leader: João Borges (Portugal)

Aim:

Co-organizing the 2nd European Young Chemists Meeting – EYChem (2nd Edition) just after the 14th EYCN Delegates' Assembly.



14th EYCN Delegates' Assembly +
2nd European Young Chemists' Meeting/
21st JCF Spring Symposium



GESELLSCHAFT
DEUTSCHER CHEMIKER



Bremen, Germany
18-20.03.2019 / 20-23.03.2019



Science Team

Leader: Hanna MAKOWSKA - science@eycn.eu



Projects:

- **Promote chemistry** around Europe (e.g. Photochimica – *Photography contest*, Chemistry Rediscovered – *Video contest*);
- **Promote the EYCN** around Europe (designing promo materials like videos, posters, roll-ups for EYCN and EuChemS conferences);
- **Organize fundraising** for the Science Team projects;
- Collaboration with The Periodic Table for Schools;
- Promote the EYCN to corporations;
- Blog and scientific interview.

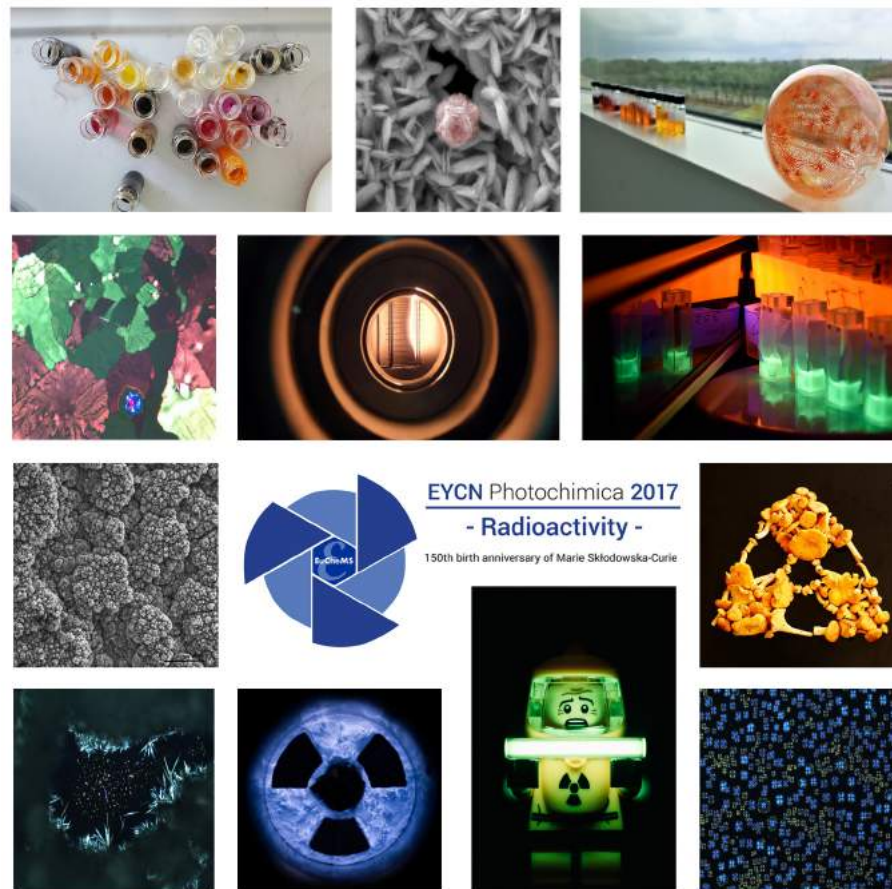
2nd Photochimica

Project Leader: Hanna MAKOWSKA (Poland)



Working on:

*Drawing competition combined
with the next photo competition
(3rd Photochimica) in 2019.*



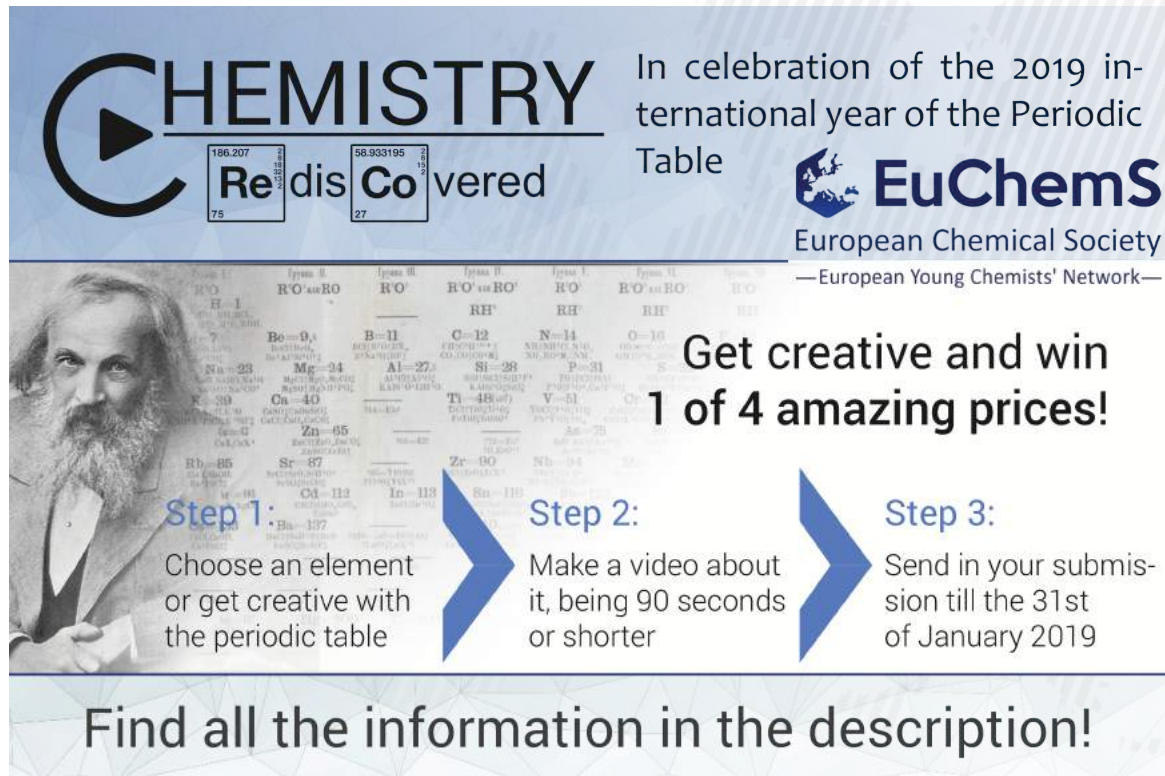
2nd Video Contest

Project Leader: Yacintha Vermeer (Netherlands)

*Special IYPT edition:
Chemistry Rediscovered
“In Your Element”*

*in collaboration with
IUPAC and EuChemS*

Max length: 90 sec
Age: 12-35 y.o.



CHEMISTRY
Rediscovered

In celebration of the 2019 international year of the Periodic Table

EuChemS
European Chemical Society
—European Young Chemists' Network—

**Get creative and win
1 of 4 amazing prices!**

Step 1:
Choose an element
or get creative with
the periodic table

Step 2:
Make a video about
it, being 90 seconds
or shorter

Step 3:
Send in your submission
till the 31st
of January 2019

Find all the information in the description!

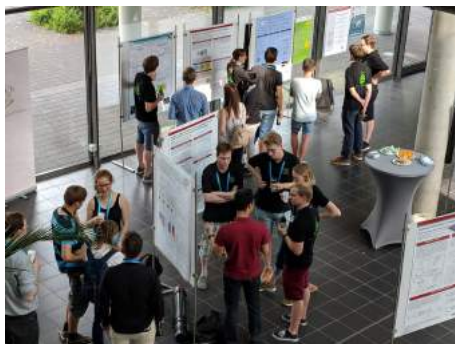
Official launch: 1st October 2018

ACHEMA 2018

„Sustainability – renew, resource and rethink“

Project Leader: Maximilian Menche (Germany)

- Cooperation between the EYCN, German Young Chemists, Young Business Chemists
- Free Entry to ACHEMA provided for participants
- Speakers from BASF, United Nations, University of York, RWTH Aachen and more.



“Chemistry is everywhere”

Project Leader: Julian Dutzler (Austria)

Video project for promoting *Chemistry* and bring it closer to a wider audience, also outside the research field.

Science Team




EuChemS
European Chemical Sciences
European Young Chemists Network


STORYBOARD
Chemistry promoting video

First Draft


Frame 1:
Voice out of the off
OR
Likeable Person talking
„Chemistry is everywhere ...”
PAUSE



Frame 2:
When we think of Chemistry, usually pictures like these pop into our head...



Frame 3:
Huge industrial plants, pesticides sprayed on fields,




Frame 4:
... preservatives in our food.
Video could be self-made


Note: All Videos in this document can be played using Acrobat Reader

Julian Dutzler
for Science Team - EYCN


Frame 5:
Blank Frame
OR
person talking again
But indeed Chemistry is much more than that.




Frame 6:
In fact our whole world around us and even the way ...
Video from NASA Website, license free




Frame 7:
we perceive this very world is chemistry.
PAUSE
Video could be self made



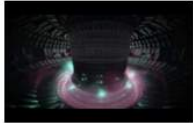
Frame 8:
Throughout the last decades, People have been pushing the boundaries of what we understand
Video could be self-made



Frame 9:
The Results affect everyday life of all of us.
Reaching from mobile devices, more powerful than ever before
Video could be self-made



Frame 10:
... to modern medicine, healing those deemed unhealable before ...
Video could be self made or provided by pharmaceutical company



Frame 11:
...to new technologies, that may set an end to the the dependence on fossale fuels.
Video by IFA - license free for educational purposes

Frame 12:
OTHER EXAMPLES
Open for other ideas

EYCN interviews

Project Leader: Antonio M. Rodríguez García (Spain)

This project aims to reach great scientists who will help us to broaden the awareness of chemistry across the entire community.

Do you want to answer a few questions, such as...

- a) *How can we improve the general public perception of chemistry?*
- b) *What would you like to see to be done in the next few years in Chemistry?*
- c) *What about in the far future?*
- d) ...

Look for us and we will record you!



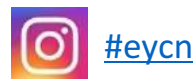
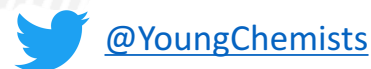
Communication Team

Leader: Kseniia OTVAGINA - communication@eycn.eu



Projects:

- Keep **Social Media** updated (Facebook, Twitter, LinkedIn, Instagram);
- Monthly **Newsletter**;
- Increase the **visibility of the EYCN** through Social Media channels;
- Respond to requests and questions, find and post useful or interesting **information**.



Press & Media

Leaders: Kseniia OTVAGINA (Russia),
Diego García-Gómez (Spain),
Michal Procházka (Slovakia).

Monthly EYCN Newsletter

New outfit!



EuChemS
European Chemical Sciences

Fill in the form to sign-up for the EYCN monthly newsletter!

Email Address

First Name

Last Name

Country

Affiliation

Subscribe!

Wikipedia project



WIKIPEDIA
The Free Encyclopedia

In more than 20 different languages!



[@European Young Chemists Network](#)

All the videos of the 1st Chemistry Rediscovered are now online!

<http://eepurl.com/dqrTTn>

Evonik Industries



2018 - 2019 Cooperation Agreement

Creating a stable base for the promotion of EYCN activities and for support of new projects and ideas.

partners with:



Industrial Sponsorship

NEW

Task Force



Project Leaders:
Saul Moorhouse (UK),
Thomas Vranken (Belgium)

NETWORK

VISION

Providing development and networking opportunities, in chemistry and related fields, to early career chemists across Europe.

IDENTITY

Our close network is young and highly-skilled; we advise and mentor our members on studying and working across Europe.

We recognise the importance of youth STEM capability in the 21st Century; our EYCA award showcases the best in early-career talent.

Connectivity with and within Europe is our bedrock; our Young Chemists Crossing Borders program connects chemists across continents.

We value and promote diversity within our network; we are proud of our 57% board-level and 34% delegate-level female representation.

OPPORTUNITIES

Partnership. Working with the EYCN offers an unparalleled opportunity to reach an extensive and diverse community of motivated early-career chemists across Europe and the world.

Recognition. Our internationally-acknowledged competitions, awards, and grants reach far and wide. They create opportunities for the brightest young chemists to collaborate and excel on a global stage.

Removing barriers. Sponsorship through the EYCN is enabling. It facilitates collaboration, it supports the sharing of ideas, and it empowers individuals to be creative with science.

Careers. The EYCN and its partners work hard to connect promising young chemists with opportunities to develop and progress careers.

To discover and discuss tailored sponsorship opportunities with the EYCN, contact: chair@eycn.eu or secretary@eycn.eu

OUTREACH

MEMBERSHIP

- Collaboration of 25 countries
- 28 European Member Societies
- 39 official delegates
- Representing, and supporting > 43,000 early career chemists across Europe

SOCIAL MEDIA

Active social media platforms targeted specifically at early career chemists (2018):

Facebook: 2,500 followers

Twitter: 1,000 followers

LinkedIn: 1,400 group members

and recently **Instagram:** ca. 200 followers

FLAGSHIP EVENTS

The EYCN organises the biannual Early Career Conference (ECC) and biannual European Young Chemists Symposium (EYCheM).

Active part of EuChemS

Attended meetings:

- Executive Board in Liverpool 06/2017 - Torsten
- General Assembly in Rome 09/2017 - Alice
- Executive Board in Berlin 02/2018 - Alice
- Executive Board in Bern 06/2018 - Jelena
- General Assembly in Liverpool 08/2018 - Alice

Member of the Editorial Board: Torsten John (Germany)



- 2017/3: Chemistry Rediscovered - Promoting chemistry and motivating high schools students
- 2017/4: Mobility and Mentoring: Increasing Employment of Young People in the European Chemical Industry
- 2018/1: Promoting chemistry to the public – Photochimica 2017
- 2018/2: Professional development for Younger Chemists at the ABCChem conference
- 2018/3: “Chemistry across Europe” - a webpage for chemistry students and graduates.

EYCN @ ECC7 **Room 12**

Organizer & EYCN Advisor: Fernando GOMOLLÓN-BEL (Spain)

Future leaders – this sub theme is sponsored by ACS

The programme will feature keynote talks delivered by promising young chemists in Europe like ERC and MSCA grantees. Lectures will cover six different chemistry fields to try to be as inclusive as possible.

European Young Chemist Award

EYCN organises, in collaboration with the Società Chimica Italiana and Consiglio Nazionale dei Chimici, the European Young Chemist Award – EYCA. This awards recognises the best PhD students and Postdoc researchers in Europe. Lectures by the selected finalists will be open to the public.

Workshops

The EYCN symposium will have a series of workshops for early career chemists. Some of them will be designed to improve soft skills (paper writing, oral communication, problem solving, job interviews) and others will be specifically targeted towards grant proposals. Recent ERC and MSCA awardees will share their tips to compile a winning proposal for EU funding.

Social events

EYCN symposium will also have social events, some of them designed to foster networking between young chemists, established researchers, and chemical companies as well as other events in local pubs to share chemistry with the general public.

<https://www.euchems2018.org/themes/european-young-chemist-network/>

7th EuChemS
Chemistry Congress

ACC LIVERPOOL, UK
26–30 August 2018



Molecular frontiers and global challenges



Kindly sponsored by



Unilever

c&en
CHEMICAL & ENGINEERING NEWS



Mestrelab Research
chemistry software solutions

EYCA 2018



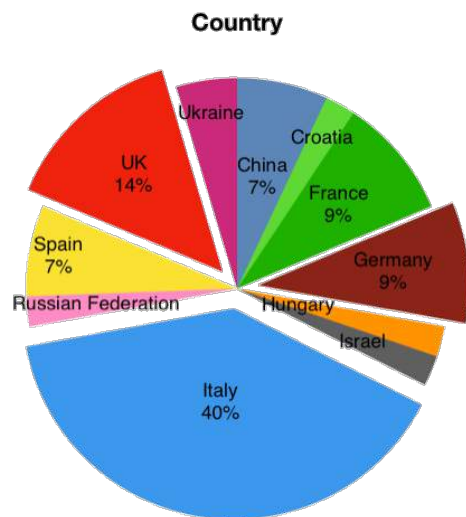
The *European Young Chemist Award* 2018 is intended to showcase and recognize the excellent research being carried out by young scientists working in the chemical sciences and it will be presented at the 7th EuCheMS Chemistry Congress in Liverpool.

Award Organization:

Chair: Bruno Pignataro (SCI)

Advisory Board: Federico Bella (SCI), Nausicaa Orlandi (Federazione Nazionale degli Ordini dei Chimici and Fisici), Alice Soldà (EYCN), Victor Mougel (EYCN), Magnus Johnson (EYCN)

General Organization: Camillo Sartorio (Italy)



Società Chimica Italiana





Meet the EYCA finalists:

28th August 2018, Room 12, (11.00 – 13.00)

Thomas Bennett, University of Cambridge, GBR.
"MOF glasses: a new, 4th category of melt quenched glass"

Paolo Arosio, ETH Zurich, CHE
"Molecular mechanisms of protein self-assembly processes associated with functional biology"

Matteo Atzori,
University of Florence, ITA
"A Two-Qubit Molecular Architecture for Electron-mediated Nuclear Quantum Simulation"

Sophie Carenco,
Sorbonne Université, FRA
"Inside and Out Metal Nanoparticles: Core and Surface Governing Together the Catalytic Properties"



Rafael Gramage-Doria,
Institut des Sciences Chimiques de Rennes, ESP
"Transition Metal Catalysis: from Sustainable Transformations to Supramolecular Approaches"

Simone Fabiano,
Linköping University, SWE
"Understanding the impact of polymer structure on the conductivity of n-doped polymers"

Alessandro Porchetta, University of Rome Tor Vergata, ITA
"Programmable nucleic acid nanoswitches for the rapid, single-step detection of antibodies in bodily fluids"

Pavel Mykhailiuk,
National Taras Shevchenko University of Kyiv, UKR
"Synthesis of bicyclic amines for Drug Discovery"



Società Chimica Italiana



EYCA 2018



Meet the EYCA finalists:

28th August 2018, Room 12, (11.00 – 13.00)

Matteo Mauro, University of Strasbourg, *FRA*

"Metallo-supramolecular polymers as autonomously healable and contractile materials responsive to light"

Erica Del Grosso, University of Rome Tor Vergata, *ITA*

"Dissipative synthetic DNA-based receptors for the transient load and release of molecular cargo"

Lichen Liu, Universitat Politècnica de València, *ESP*

"Evolution and Stabilization of Subnanometric Metal Clusters in Zeolites"

Clément Larquet,

Sorbonne Université, *FRA*

"Cerium and sulfur oxidation mechanisms in (Gd,Ce)₂O₂S nanoparticles through X-ray absorption and near-ambient pressure X-ray photoemission spectroscopies"

Olga Guselnikova,

University of Chemical Technology Prague, *CZE*

"Plasmon-induced reaction: the new way for azide-alkyne cycloaddition"

Torsten John,

Leibniz Institute of Surface Engineering, *DEU*

"Amyloid-like aggregation of the antimicrobial peptide upepin 3.5 and its selectivity towards membrane"

Jessica Rodriguez Villar, Universidad de Santiago de Compostela, *ESP*

"Synthetic systems in Chemical Biology: Supramolecular Control of Cell Internalization and Selective Recognition and Modification of DNA"

Davide Ravelli, University of Pavia, *ITA*

"Decatungstate photocatalyzed synthesis via selective Hydrogen Atom Transfer (HAT)"

Gabriele Pupo,

University of Oxford, *GBR*

"Asymmetric Nucleophilic Fluorination under Hydrogen Bonding Phase-Transfer Catalysis"

Tim Gatzmeier,

Max-Planck-Institut für Kohlenforschung, *DEU*

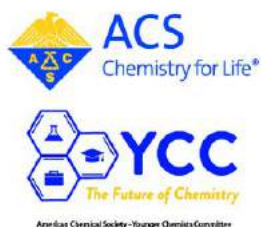
"Activation of Challenging Substrates with Strong Chiral Lewis Acids"



Società Chimica Italiana

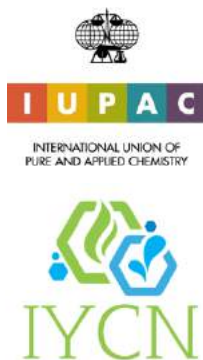


International Networks



American Chemical Society – Younger Chemists Committee (ACS-YCC)

- 01/2018: Atlantic Basin Conference (ABCCChem) on Chemistry
- 08/2018: Active participation at the 7th EuChemS Chemistry Congress and at the 256th ACS National Meeting & Exposition



International Younger Chemists Network (IYCN)

- 07/2017: Presentation at IUPAC World Chemistry Congress and General Assembly
- 2017-2018: Active collaboration in the Board of IYCN
- 2018-2019: Video Contest in collaboration with IUPAC
- 2019: Integration within IUPAC

International Project

8th Young Chemists Crossing Borders (YCCB) exchange
Connecting European & US Chemists

Young Chemists Crossing Borders a transatlantic exchange program



Elena Lenci
(IT)



Catherine Rawlins
(MA)

Dušan Petrović
(SE)



Caitlyn Mills
(MA)



Alexandre Herve
(FR)



Lori Ferrins
(MA)



Andra-Lisa Hoyt
(DE)



Michael McLaughlin
(MA)



35 Applications

26 M - 9 F

19 PhD - 12 PostDoc - 4 Researchers

11 Countries

External Collaborations

<https://www.mobilitymentoringportal.eu/en/>

with financial support of the European Union



Mobility and Mentoring

Increasing the Employment of Young
Workers in the European Chemical Industry



Mobility
Mentoring Portal

About the
Project

Project
Partners

Conference
20–22 September
Lisbon



Lisbon, 20-22/09/2017

External Collaborations

NEW!

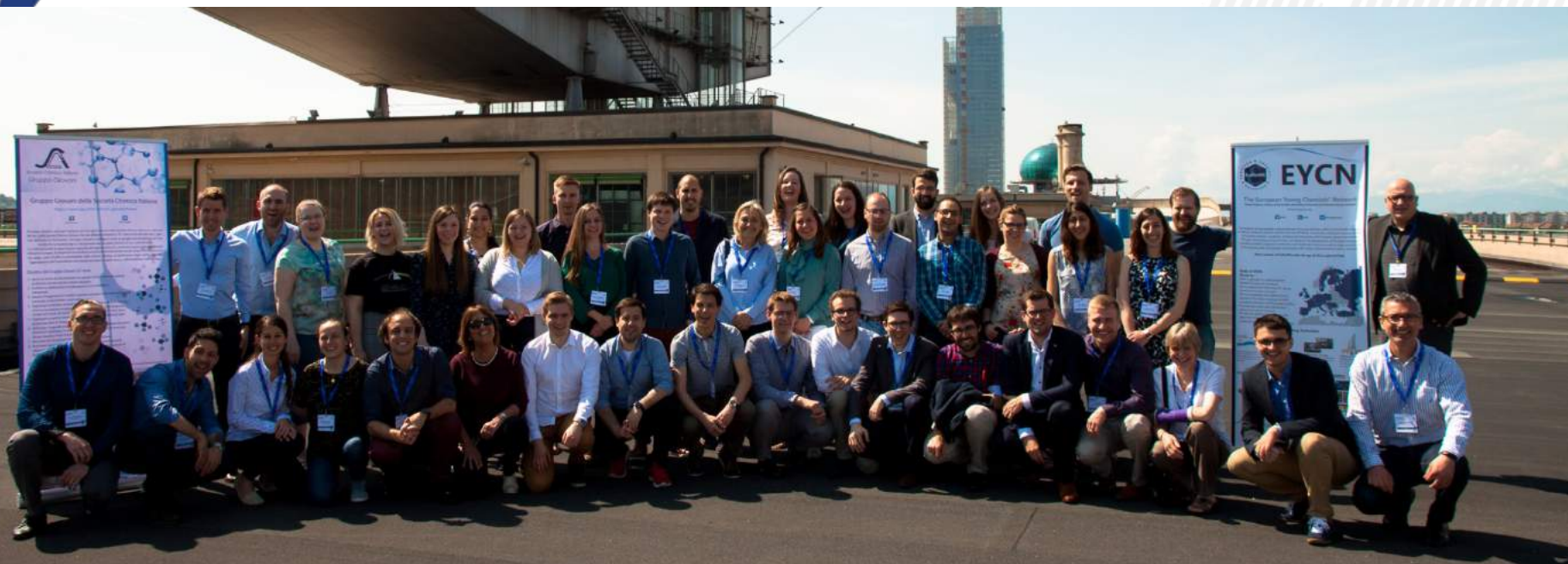


The European social partners of the chemical industry, industriAll European trade union and the European Chemical Employers Group (ECEG) manage activities for a two-year project cycle within their social partner project.

EU Social Partner Conference on ***Digitalisation in the chemical industry*** will take place in Tallinn, Estonia in October 2018.

Representatives of EYCN will attend this meeting (Alice, Victor, Sebastian).

<https://www.eceg.org/our-future-workplace-challenges-and-opportunities-of-digital-transformation/>



Thank you for your kind attention!

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