55TH INTERNATIONAL CHEMISTRY OLYMPIAD SWITZERLAND 2023

PARTNERBROCHURE

INTERNATIONALCHEMISTRYOLYMPIAD2023

16 – 25 July 2023

icho2023.ch

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CONTENTS

Invitation to work together in partnership 3
Executive Summary 5
Why an ICHO in Switzerland? 6
How can you support us? 7

Budget 8
Sponsor or donor? 9

More than just a major event 11
Promoting and optimising diversity 12
Did you know? 13
Interested? 14

ANNEXE

Sustainability 16
Further information 18
Impressions 21

16 – 25 July 2023

ETH Zurich / Gian Marco Castelberg

INVITATION TO WORK TOGETHER IN PARTNERSHIP

Professor Günther Dissertori

Rector of ETH Zurich and President of the IChO 2023

ETH Zurich is delighted to host the International Chemistry Olympiad in 2023, for the very first time! The IChO is an international competition held every year that attracts talented high school students from around the world. It stimulates interest in chemistry in the widest sense and the industries that hinge on it. The event inspires those who compete and raises the profile of the excellent teaching and research around the world. It both celebrates and develops the potential of the world's brightest young chemists.

In the light of the very successful history of chemistry at ETH Zurich and the university's international spirit, it is a tremendous pleasure to host this event. Let us use the findings of modern life sciences to advance progress! By joining forces, and with your valuable input, we can together make the 55th IChO a unique experience for the students and their teachers, and a powerful impulse for chemistry.

We invite you to partner us for the IChO 2023!

Günther Dissertori

Professor Kurt Wüthrich

ETH professor in biology and Nobel Prize winner in chemistry 2002

The first International Chemistry Olympiad was held more than 50 years ago, and in 2023 the IChO will, for the first time, be organised in Switzerland. Scientific research today is mainly driven by interdisciplinary projects that integrate contributions from talents in different specialised fields. Thereby, chemistry tends to play a central role, as I have experienced in my scientific life. After completing a PhD in inorganic chemistry, I have conducted research in physics, biology and the biomedical sciences for more than four decades. In the process, my chemistry background has decisively facilitated communication among the different disciplines.

Today I am particularly pleased that ETH Zurich, and thus Switzerland, can make an important contribution in encouraging the existence of future generations of researchers working in chemistry and related sciences; IChO 2023 deserves the full support of us all.

Kurt Wüthrich

PROMOTING YOUNG SCIENTISTS IN CHEMISTRY, PHARMA, LIFE SCIENCES A SUSTAINABLE INVESTMENT IN THE RESEARCHERS OF THE FUTURE AND THE FUTURE OF OUR WORLD!

Promote STEM* disciplines and set new standards for sustainable development in chemistry, pharma and life sciences education. Invest in the ambitious youth of today who will tackle the challenges of tomorrow!

Join us in creating an unforgettable educational experience for young talents from Switzerland and around the world. Shape the image of chemistry as an innovative and solution-oriented science.

*STEM = Science, Technology, Engineering, Mathematics

EXECUTIVE SUMMARY

Why get involved?

In summer 2023, the International Chemistry Olympiad (IChO) will be held in Switzerland for the first time. Thanks to the commitment of a handful of pioneers and the support of UNESCO, the number of participants has surged since the first IChO in Prague in 1968. Since 1987, Switzerland has sent a delegation to the IChO more than 30 times – and now our turn has finally come to host the event! From 16 to 25 July 2023, Switzerland will welcome over 900 enthusiastic chemistry talents, supervisors and guests from all over the world.

TheIChO2023–internationalandunique,andnottobeconfusedwiththeannual,nationalSwissChO–isorganisedbyETHZurich andsupportedbytheumbrellaorganisationoftheScienceOlympiad(SO).HavingruntheInternationalBiologyOlympiadin2013,the InternationalPhysicsOlympiadin2016andtheEuropeanGirls'MathematicalOlympiadin2017,theSOhasamassedagreatdealof expertise.

AnationalsteeringcommitteechairedbytheRectorofETHZurich,ProfessorGüntherDissertori,willprovidestrategicdirectionforthe event.TheIChO2023willbeorganisedandimplementedbytheScientificCommittee,ledbyETHZurichProfessorWendelinJ.Stark,and the Organising Committee, headed by Linda Sonderegger.

Outsideofthetwoexaminationdays,theIChO2023willpromoteinternationalexchangeandfamiliariseparticipantswiththehostcountry andcultureduringtheentire10days.Ontheprogrammeareeducationalexcursionstovariousregionswithdifferingtraditionsaswellas visitstoindustrialandinstitutionalpartners.Swisschemistry,pharmaceuticalsandlifescienceswillbeshowcased,andtheadvantages and beauty of Switzerland presented and experienced.

Goals

- Promoting young talents in STEM subjects
- Motivating young people from all over the world to study chemistry in Switzerland
- Positioning Switzerland as a leading, innovative location for education, industry and research
- Cultivating the image of chemistry as a highly innovative, solution-oriented and forward-looking science
- Implementing sub-projects with sustainable impact
- Securing national and international media presence, through a national communication campaign etc.
- Promoting interdisciplinarity in an international context

Target groups

- Youth (15 to 19 years old) from 90 countries worldwide
- Interested young people and future students from all over Switzerland
- Representatives from education, research and the business sector
- Representatives from politics and government

TheIChO2023isaonce-in-a-lifetimeeventandauniqueopportunityforsustainableinvestmentintalentedchemistsofthefuture.The internationalcompetition,whichtakesplaceinadifferentcountryeveryyear,willsparkenthusiasmforchemistryinSwissschoolsby usingtargetedinformationtoraisestudents'awarenessoftheIChOandboosttheirinterestinSTEMsubjects.Theensuingenthusiasm andmediaandpoliticalattentionwilldrivethequestforthebestSwissIChO2023team.Atthesametime,teachersofchemistryand othernaturalscienceswillbeencouragedandshownappreciation–theyarevaluabletalentscouts,whocanidentifyfuturesuccessful participants.

Initsroleasanorganiser,ETHZurichisensuringthesuccessofIChO2023byploughinginconsiderabletechnicalexpertise,supportstaff andinfrastructure.Theprojectwillbefinancedprimarilythroughfundraisingincome.By31October2022,CHF4.5millionistoberaised through contributions from foundations and companies, and in-kind donations.

IChO2023isnowlookingforpartnersandsponsorstofundthisuniqueeventanditssustainablecampaignwork,andsoinspireyoung talents to pursue a career in science.

Become a partner of the IChO 2023 today!

ETH zürich

SCIENCE. OLYMPIAD.CH
WISSENSCHAFTS-OLYMPIADE
OLYMPIADES DE LA SCIENCE
OLIMPIADI DELLA SCIENZA

CHEMISTRY. OLYMPIAD.CH
CHEMIE-OLYMPIADE
OLYMPIADES DE CHIMIE
OLIMPIADI DELLA CHIMICA

SCS
Swiss Chemical Society

WHY AN ICHO IN SWITZERLAND?

Addressing the shortage of skilled workers

An increase in the number of qualified young people from STEM subjects will boost the innovative capacity of industry and business. Chemists are highly qualified all-rounders in the natural sciences with an affinity for practical applications. The Science Olympiad identifies and promotes young talents beyond the school context – and does this in a motivating, international setting in which literally the world is a guest.

Raising the profile of chemistry

The resounding success of chemistry over the last 150 years and the ubiquity of products from chemical research and industry are often taken for granted; the dynamic, innovative science underpinning them often forgotten. Chemistry is a central, interdisciplinary science that provides the basis for related disciplines and research fields. Through the understanding of complex chemical processes and the inclusion of different disciplines and interdisciplinary research teams, we can find targeted and sustainable solutions to address the challenges of our time.

Providing economic benefit

Switzerland is an attractive and important international location for industry and training in chemistry and related sciences. Indeed, the molecular sciences boast an impressive history and development in Switzerland. According to the Federal Department of Foreign Affairs (FDFA), the chemical and pharmaceutical industries are top exporters, ranking just behind mechanical engineering in terms of their contribution to gross domestic product (GDP). These industries sell products worth around CHF 85 billion abroad every year, which accounts for about half of total exports.

THE VOICE OF...

Patrik Willi | President of the Swiss Chemistry Olympiad (SwissChO)

„As a former participant and mentor, I delight in looking back on IChO events. I discovered an unforgettable olympic spirit in chemistry and thrived on the exposure to other cultures. Let us now provide a unique experience for our international guests, with Swiss ingenuity and hospitality."

IPhO2016 / Roman Ernst

HOW YOU CAN SUPPORT US

The country hosting IChO must cover the accommodation and catering costs for over 900 participants and the social programme for the duration of the event.

Successful fundraising means we will be able to design an unforgettable educational programme packed with interesting events, including:

- Getting to know the Confederation and the political system: visit to the Federal Parliament in Bern
- History of Switzerland: excursion to central Switzerland
- Strengthening international relations: exchange and networking with other participants and students
- Education and research: visits to institutes and laboratories
- Career planning: insight into research fields and projects, Swiss companies

Funding

Cooperation with the State Secretariat for Education, Research and Innovation (SERI), a long-standing partner of the Science Olympiad, has been initiated and discussion on the framework conditions for support is underway.

The costs are to be covered by contributions from companies and foundations, participant fees, services, and the unpaid effort of the organisers and volunteers.

How do you benefit?

Individual needs and ways of meeting these are discussed with all partners before and during the event. Below are a few examples; see also partner categories on page 9.

Visibility

Tailored options, in line with the financial or in-kind contribution, will be drawn up to ensure best visibility to your target group.

Invitation to the Closing Ceremony

All main sponsors and Gold partners will be invited to the Closing Ceremony and gala dinner, where they will meet IChO participants and can exchange ideas with other partners and representatives from politics, business and science.

Reporting

All our partners will be kept up to date on the progress of the project and receive a final report.

Science Olympiad (SO)

BUDGET

The budget is CHF 4.4 million (as of October 2021: expenditure CHF 4.4 million, income CHF 2.8 million). By the end of 2022, the remaining CHF 1.6 million is to be raised through financial contributions from companies; in-kind donations are also possible. As this is a non-profit event, income and expenditure are balanced.

The following figures give a cost estimation incurred per person and day (PPPD), calculated on the basis of 900 participants:

PPPD: Accommodation CHF 100.00 | Meals CHF 60.00 | Ceremonies CHF 50.00 | Transport and excursions CHF 90.00

What do we need the money for?

The following expenses are to be covered for the event itself:

- Theoretical and practical examination | Supplies for experiments, printing material, technology
- Accommodation and catering | Opening and Closing Ceremonies incl. awarding of medals and gala dinner | Supporting programme with excursions throughout Switzerland, focusing on Swiss education and communication of values and culture
- Media relations and cooperation with associations | Conception and implementation of campaigns to promote young STEM talents | Print and video material before and during IChO 2023 | Website and social media | Programme booklet and other printed material
- Project management | Administration | Supervision of apprentices | Coordination of volunteer work

We will also earmark finance for specific subprojects, in order to:

- Reach out to Swiss schools and vocational apprenticeships more actively
- Optimise, intensify and expand support programmes for Swiss IChO candidates
- Maintain diversity across all national qualification rounds
- Address dwindling diversity in the further qualification levels
- Start a national communication campaign

Individual contribution and volunteer work

Crucial to the success of the International Science Olympiads is the enormous effort of its organisers, and the input of more than 200 volunteers – including various professors – for the entire event. The estimated unpaid expenses and work amount to more than CHF 1.5 million. This includes volunteer support before and during the IChO in July 2023 as well as significant unbilled services on the part of the organisers such as infrastructure, advice, materials, expertise, networking and knowledge transfer.

IChO 2018

SPONSOR OR DONOR?

Sponsoring

We work together with our partners to draw up tailored opportunities for visibility and recognition. It is important for us that your commitment appeals to all parties, as well as providing a longer-term benefit. Below are some examples that can serve as a basis for discussion.

Offering according to contribution level	Main partner ≥ CHF 450'000*	Gold partner ≥ CHF 150'000*	Silver partner ≥ CHF 20'000*
Exclusive excursion as part of the IChO programme	●		
Company presentation and offer on ETH Zurich premises, as part of the IChO programme	●	●	
Logo presence – cover sheet of event communication	●		
Logo presence – event communication, onsite branding**	●	●	
Logo presence – on stationery	●		
Portrait of the partner in the programme booklet	●	●	
Advertising in the programme booklet**	●	●	
Logo presence on main page www.icho2023.ch**	●		
Logo presence on partner page www.icho2023.ch**	●	●	●
Presence in video productions if scheduling allows	●		
Circulation of marketing material incl. gifts at events (by arrangement)	●	●	
Mention in editorial context of media work	●		
Participation in IChO events	●	●	
Representation opportunities at IChO events	●		
Awarding of a special prize at the Closing Ceremony	●	●	
Presence opportunities in line with contribution	●	●	●
Right to use the IChO name and logo, including photographic material produced in connection with the IChO, in all marketing activities	●	●	●

*Prices excl. VAT | **Size staggered according to level of support provided

Donations

TheIChOthrivesoncooperationwiththirdparties,foundations,companiesandassociationswhowishtosupportthesustainableplanning andimplementationoftheIChO2023.Thereisneitheralowernoranupperlimittothecontribution–rather,thisissettledinlinewith theavailableoptions,thepolicyandthesignificanceoftheprojectfordonors.Thecooperationanddonationaregovernedbyafunding agreement between the donor and the ETH Foundation.

What are you funding?

Bycoveringtheareasbelow,donationsandsponsorshipcontributionsmakethewholeeventmoreinteresting,sustainableand unforgettable:

- Accommodation, catering and transport for participants
- Excursions to regional destinations to communicate Swiss traditions and culture
- Opening Ceremony, reunion event and Closing Ceremony incl. gala dinner and medal presentation
- Project management, organisation and administration
- Provision of examination materials and laboratory equipment, conduct of examinations
- Targeted communication measures with sustainable impact

THE VOICE OF...

Marco Gerber | Co-Director Science Olympiad (SO)

„Theyoungtalentsstilltellusyearslater:'Theencounterswithpeoplefromallovertheworldinspired andmovedme'.TheScienceOlympiadsareagreatopportunitytobreakdownlanguageandcultural barriers. The mutual understanding that grows here is important for our global society."

IPhO2016 / Pascal Sommer

IPhO 2016 / Roman Ernst

MORE THAN JUST A MAJOR EVENT

The IChO 2023 will be an event with a broad reach:

- Asanationwide,once-in-a-lifetimeexperienceinthiscentralscience,theIChOservesasalaunchpadandspringboardinchemistry education.
- Weplantovisitschoolsandvocationalapprenticeshipstoinformtalentedchemistrystudentsaboutopportunitiesforpromotionand competition.
- Wevalueandrecognisetheachievementsofteachersandvocationaltrainers;theirteachingandearlytalentspottingisvitaltothe development of young people.
- Chemistryiseverywhere:chemistryresearchgeneratesandfinetunessolutionstocurrentproblemssuchasglobalwarming.Thisis what young people should experience and take with them in their career and life.
- A national communication campaign is planned to run for one year.
- TokickoffamoreintensivestreamlineddevelopmentprogrammeforyoungSwissscientists,thebestSwissIChO2023Teamistobe selected and promoted together with enthusiastic supporters.

THE VOICE OF...

David Spichiger | Executive Director of the Swiss Chemical Society (SCS)

„TheIChOoffersaplatformforthemosttalentedyoungchemistsfromallpartsoftheworldtoshowtheir skillsandbreakdownculturalbarriers.it'sagreatopportunityforSwitzerlandtopositionitselfasan attractive location for research and development, both in academia and industry."

IPhO 2016 / Roman Ernst

PROMOTING AND OPTIMISING DIVERSITY

Women in chemistry

In Switzerland, the gender ratio in the first preliminary round of the Chemistry Olympiad has been well-balanced since 2016/2017. However, according to the SO, the proportion of women decreases to 32% and 27% respectively by the national final and participation in the IChO.

Within the framework of the IChO 2023, we are planning to implement a strategy to promote women and ensure a balanced participation of young Swiss women and men in the IChO in the future.

THE VOICE OF...

Dr. Maud Reiter | R&D Director Firmenich / Co-Founder of SWC

"An event such as the International Chemistry Olympiad will provide a unique opportunity for young high school students to meet fellow scientist peers, interact with more established role models in both academia and industry, and visit some of the state-of-the art research institutions here in Switzerland.

Our experience with the SCS Swiss Women in Chemistry network has taught us how important it is to create a supportive community for female chemists across all career stages, in order to inspire them to pursue a career in STEM.

On a personal note, it was my participation in a similar event as a 17-year-old high-schooler that launched my academic path in chemistry. This event took me from the UK, working with Professor Véronique Gouverneur, via the US, working with Professor Mac Millan on organocatalysis, to Switzerland and Firmenich 10 years ago. I truly believe that IChO will set a lot of participants on a similar exciting chemistry adventure."

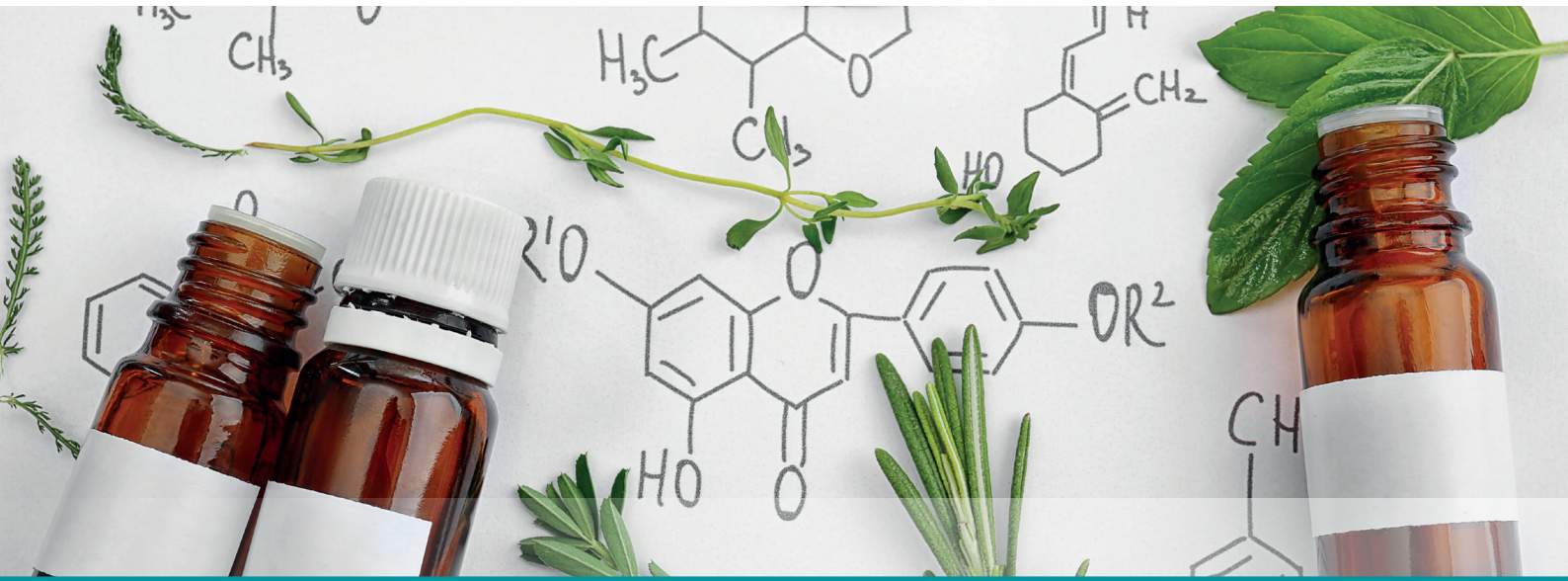
SWISS WOMEN in CHEMISTRY

Swiss Women in Chemistry (SWC)

Under the umbrella of the Swiss Chemical Society, the goal of Swiss Women in Chemistry (SWC) is to facilitate networking and create a supportive community for female chemists in Switzerland at all career stages. The SWC is open to all female scientists in Switzerland from the fields of chemistry, life sciences and biotechnology, from academia, industry and government.

Young SCS

The young SCS of the Swiss Chemical Society is a network of young researchers (under 35) from all chemical sciences and comprises around 750 members. Such existing platforms are to be promoted and expanded to give female talents in particular an opportunity to communicate with older colleagues, allowing them to master their work-life balance through exchanging experiences and forging personal contacts.



DID YOU KNOW THAT...

...Pierre-Alain Ruffieux was a member of the first Swiss IChO delegation in 1987 and is now CEO of Lonza?

...Jessica Kurmann was a participant in the digital IChO 2021 in Japan and, after graduating from high school, embarked on a chemistry apprenticeship at Novartis?

...in the research group of ETH Professor Erick M. Carreira at the Institute of Organic Chemistry, five current staff members and doctoral students were former IChO participants?

…Dr Marco Ziegler, IChO participant from 1990 to 1992 and three-time medallist, currently advises companies in the chemical and pharmaceutical industry as senior partner at McKinsey.

Source: European Patent Office

...Professor Wendelin J. Stark was a three-time IChO participant, won the silver medal in 1995 and has been awarded the European Inventor Award 2021 by the European Patent Office?

Maurice Cosandey
Founder of the Swiss Chemistry Olympiad; first Swiss Science Olympiad
Mentor of the first Swiss team at the 1987 IChO in Verzprém, Hungary

"Short Interview with Maurice Cosandey"

INTERESTED?

Are you interested in becoming a partner of the International Chemistry Olympiad 2023 in Switzerland? Would you like to support the event by making a financial contribution, or actively participating?

Then we look forward to hearing from you!

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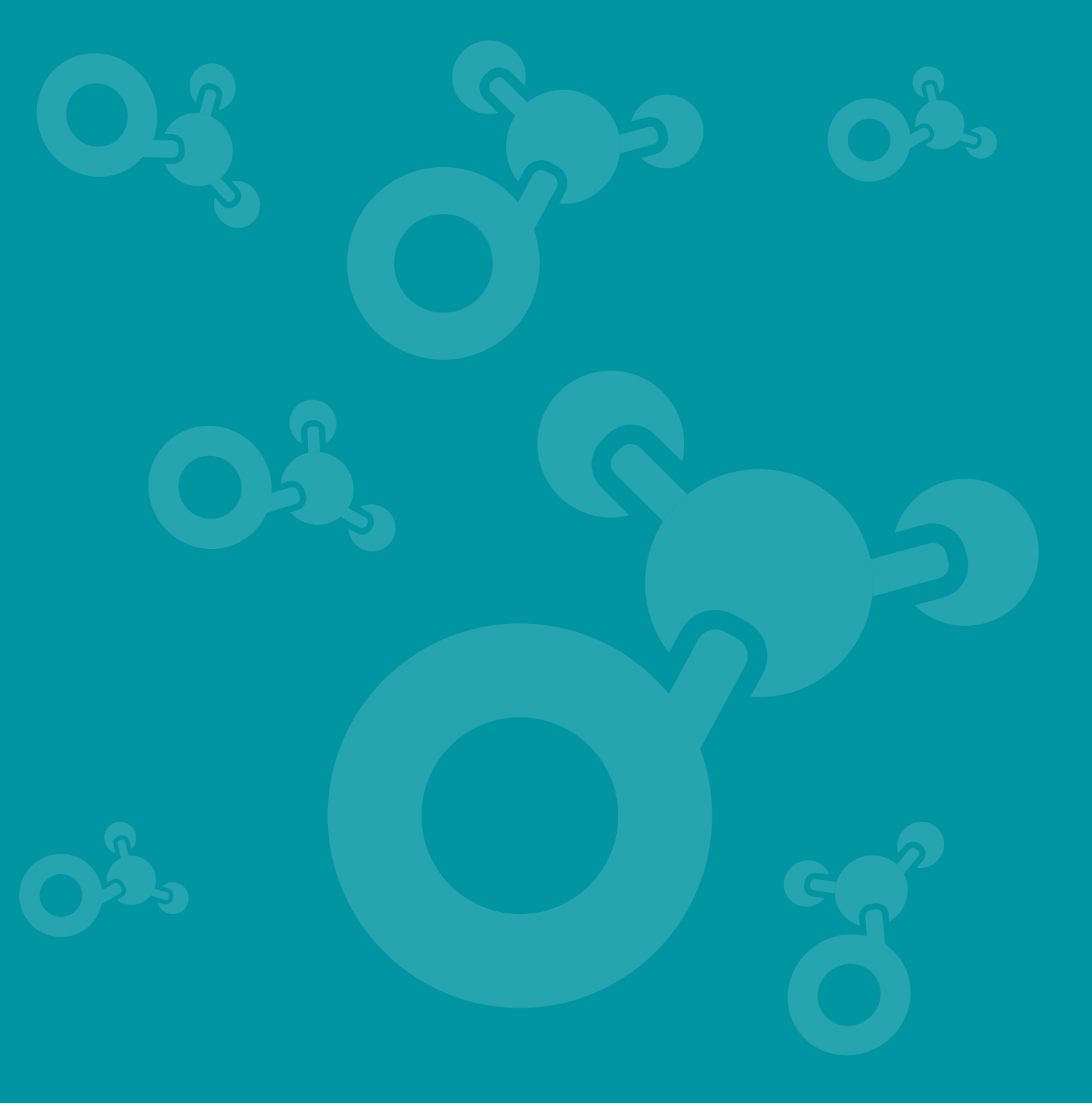

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ANNEXE

SUSTAINABILITY

How does the IChO contribute to sustainability?

GuidedontheonehandbytheUnitedNations(UN)17SustainableDevelopmentGoals(SDGs),andontheotherbytheSustainableDevelopment Strategy of the Swiss Federal Council, the IChO 2023 seeks to contribute to the following areas:

Education, research and innovation

High-quality education

TheIChOpromoteseducationinchemistryforthousandsofstudentsthroughnational competitionsinalmost100countries.Theaimistocontinuetoincreasethenumberofyoung people supported with the resources available.

Education for sustainable development

Contributingtoasustainableworldcallsforexpertiseinalldisciplinesandmulti-faceted skills.Weprovideparticipantswithexpertiseinchemistryandrelatedsciencessuchas physicsorbiology.Wepromotecompetenciessuchaspersonalresponsibility,socialand future awareness, and interactive, interdisciplinary learning and collaboration.

Partnerships

Togetherweachievemore.Excitingformatsandlong-termcollaborationsarecreatedwitha widevarietyoforganisations,clubsandassociations.Wearegratefulforavaluable,extensive and proactive network.

Equal opportunities and inclusion

Barrier-free participation

ParticipationinanIChOismadeasaccessibleaspossibletoallyoungpeople,whatevertheir language,genderorfinancialsituation.Forexample,afundhasbeensetuptosubsidisefees for countries that are only able to pay part of them.

Volunteering and participation

Frameworkconditionswillbecreatedthatrecogniseandshowappreciationofthevolunteers who form a mainstay of the IChO 2023.

Exchange between people and cultures

Whetherbetweenyoungpeopleandresearchersorbetweenlike-mindedpeoplefromall overtheworld,theIChOpromotesexchangewithothers,achangeofperspectiveandmutual understanding on an international level.

Work, economy and consumption

Good working conditions for employees and volunteers

The IChO is a long-term platform guiding young talents towards future management positions. This project will allow us to discover and promote talent for science and business.

Responsible consumption

In our direct consumption and procurement, we respect and take into account ecological and social impacts and interrelationships.

Climate and environmental protection

Reducing our footprint

We make every effort to counteract food waste. At a large event like the IChO, offering around 18'500 meals, this is of great importance.

Knowledge transfer

Within the framework of the event and, above all, in the campaigns leading up to it, we actively make knowledge accessible to our participants, volunteers and the national public. Various project options are being discussed which, with the appropriate financial support, could be developed and implemented.

The focus of the IChO is on chemistry, pharmaceuticals and life sciences – innovative sciences that offer solutions to urgent challenges such as energy supply or climate change. The sciences also help us to better understand the complex interrelationships in nature, and so strengthen our knowledge and awareness of the environment.

icho2023.ch

Support us!

Ultimately, sustainability is measured by actions. With your support, we can make a major contribution to ecological, economic and social sustainability and organise and initiate an environmentally friendly event with a sustainable impact in the areas of knowledge transfer and talent promotion.

ANNEXE

FURTHER INFORMATION

The difference between IChO and SwissChO

Please be aware of the difference between an International and the yearly National Chemistry Olympiad in Switzerland:

IChO 2023

International Chemistry Olympiad
- International participants
- One-off

SwissChO

Swiss Chemistry Olympiad
- National participants
- Annual national competition

How does an IChO work?

Participants take a practical and a theoretical examination two days apart, each lasting 5 hours. This requires laboratory space for the practical examination and large premises for the written examination. The tasks are planned, written and corrected by the organisers.

Two adults per country, called mentors, accompany the young people to the IChO. At the event itself, these mentors discuss and approve the practical and theoretical tasks and translate them into the respective national language. The exams are corrected twice: once by the organisers, once by the mentors. These two corrections are then compared and finalised at the "arbitration". In addition, there are jury meetings in which questions concerning the development of the IChO are discussed collectively. Apart from at the opening ceremony, the reunion event and the closing ceremony, the mentors are physically separated from the young people and pursue their own social programme.

For 2023, we expect a maximum of 91 participating nations – this means around 364 students, 182 mentors and 200 other accompanying persons (observers and guests). Including the 200 volunteers and organisers, the event will involve more than 900 people.

This entails various logistical challenges. For example, each participant will need his or her own workstation for the experimental test, and this workstation must be identical for all participants, with the same glassware and equipment.

Timeframe and programme IChO 2023

In line with the statutory requirements, the IChO always takes place in July. Including arrival and departure, the event lasts 10 days, corresponding to 9 nights.

	STUDENTS	MENTORS
Day 1 Sun, 16 July 2023	Arrival and registration	Arrival and registration
Day 2 Mon, 17 July 2023	Opening Ceremony Excursion	Opening Ceremony Laboratory visit 1st jury meeting/discussion practical examination
Day 3 Tue, 18 July 2023	Excursion Laboratory safety and information	Translation of practical examination
Day 4 Wed, 19 July 2023	Practical examination	2nd jury meeting / discussion of theoretical examination
Day 5 Thu, 20 July 2023	Excursion	Translation of theoretical examination
Day 6 Fri, 21 July 2023	Theoretical examination Reunion celebration	Excursion Reunion celebration
Day 7 Sat, 22 July 2023	Excursion	Correction and scoring 3rd jury meeting
Day 8 Sun, 23 July 2023	Excursion	Arbitration 4th jury meeting
Day 9 Mon, 24 July 2023	Closing ceremony with medal presentation and dinner	Closing ceremony with medal presentation and dinner
Day 10 Tue, 25 July 2023	Departure	Departure

2 Pictures: IPhO 2016 / Roman Ernst

ANNEXE

Organisation – Allocation of roles and responsibilities

One representative each from ETH Zurich, the ETH Department of Chemistry and Applied Biosciences, the Swiss Chemistry Olympiad, the Science Olympiad and the Swiss Chemical Society form the five-member National Steering Committee. The heads of the scientific and organisational areas report to the Steering Committee.

ETH Zurich
Rector
Professor Günther Dissertori
President IChO 2023

D-CHAB
Deputy Head of Department
Professor Karl-Heinz Altmann

Swiss
Chemistry Olympiad
(SwissChO)
President
Patrik Willi

Science Olympiad (SO)
Managing Director
Cyrille Boinay

Swiss Chemical Society
(SCS)
Executive Director
David Spichiger

National Steering Committee (NSC) Strategic Board

SciC and OC report to NSC

Scientific Committee (SciC)
Professor Wendelin J. Stark

Support Committee (SupC)

Organising Committee (OC)
Linda Sonderegger
General Manager IChO 2023

Operational Implementation

Services provided by organisers

ETH Zurich: In addition to strategic decisions, i.a. assistance in writing, planning, conducting and correcting examinations; infrastructure for examinations, meetings and ceremonies; advice on communication, media relations and graphics; infrastructure; administration.

Department of Chemistry and Applied Biosciences (D-CHAB): In addition to strategic decisions, i.a. free collaboration in writing, planning, conducting and correcting the examinations; infrastructure and supplies for theoretical and practical laboratory examinations; support from departmental public relations.

Swiss Chemistry Olympiad (SwissChO): In addition to strategic decisions, i.a. working free of charge on writing, planning, conducting and correcting the examinations; co-working in the organising committee; running the national Olympiad; looking after the delegations throughout the event (guides).

Science Olympiad (SO, Swiss umbrella organisation): In addition to strategic decisions, support in establishing contacts; advisory function in fundraising; transfer of expertise gained from organising previous International Science Olympiads in Switzerland; implementation of the national Olympiad; support for the delegations throughout the event (guides).

Swiss Chemical Society (SCS): In addition to strategic decisions, i.a. free advice and support in political approaches; networking and presentation opportunities at SCS events; information multiplier.

IMPRESSIONS

How did you come to participate in IChO 2021?

Jessica Kurmann | IChO 2021 participant in Japan (remote), high school graduate and currently apprentice at Novartis

Right from the very first lesson, I was hooked on chemistry. The trigger was learning some basic atomic structure theories, but over time the topics became more and more complex. While my classmates were intimidated by the sometimes abstract theories, my fascination with chemistry grew stronger. What I like most is that by continuously building up knowledge, one can understand complex relationships better over time and recognise everything not yet understood or investigated in research – a true fountain for those thirsty for knowledge.

It was also this urge and desire for more, to learn more, and understand more chemistry, that led me to participate in the Swiss ChO 2021 and subsequently in the IChO 2021. I love challenges! As soon as my teacher showed us the registration poster, I knew it would be a terrific opportunity to compete with my peers at national and international level. I'm very grateful for this opportunity, which is why I believe the IChO should continue to be offered to young people. It's an event that enables international comparison and promotes exchange between chemistry enthusiasts from different countries. Despite the IChO 2021 being held virtually, I learnt a lot about the host country and made new friends. Nevertheless, I missed the face-to-face exchange. So I very much hope that a comprehensive programme for participants can be organised at the IChO 2023. This will guarantee an even more unforgettable learning experience!

Videos - Impressions and insights into the Olympics

International Physics Olympiad 2016 in CH / FL

Summary (16:48 min)

International Chemistry Olympiad 2018 in CZE / SLO

Summary (3:53 min)

International Physics Olympiad 2016

Flickr account with pictures and insights

Organisers' websites

SO

Umbrella organisation Science Olympiad

D-CHAB at ETH Zurich

Department of Chemistry and Applied Biosciences

SCS

Swiss Chemical Society

SwissChO

Swiss Chemistry Olympiad

ETH zürich

SCIENCE.
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WISSENSCHAFTS-OLYMPIADE
OLYMPIADES DE LA SCIENCE
OLIMPIADI DELLA SCIENZA

CHEMISTRY.
OLYMPIAD.CH
CHEMIE-OLYMPIADE
OLYMPIADES DE CHIMIE
OLIMPIADI DELLA CHIMICA

SCS
Swiss Chemical
Society