

# CHEMISTRY OLYMPIAD

## MORE THAN 50 YEARS OF SUCCESSFUL STORY



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### ATTRACTING YOUNG STUDENTS FOR CHEMISTRY

- National Chemistry Olympiad in Slovakia (and former Czechoslovakia)
  - Chemistry Olympiad
  - Supporting Activities
- International Competitions
  - International Chemistry Olympiad (IChO)
  - European Science Olympiad (EUSO)
  - Grand Prix Chimique (GPCh)

# NATIONAL CHEMISTRY OLYMPIAD IN (CZECHO)SLOVAKIA



Established in former Czechoslovakia in 1964 (53 years)  
upon initiative of active chemistry teachers  
from 1993 independently in Slovak and Czech Republics

Subject competition in chemistry  
for primary and secondary school students  
voluntary supplement to education of gifted students

**Aims:** attract and develop interest in chemistry  
develop natural talent  
encourage independent and creative thinking  
efficient use of free time

**Official organizer:** Ministry of Education, Science, Research and Sports  
**Guarantee:** Slovak Chemical Society  
**Directed by:** corresponding committees of ChO  
**Responsible organizers:** schools (home and school rounds)  
County State Offices (county and regional rounds)  
IUVENTA (national round, attendance at international competitions)

# NATIONAL CHEMISTRY OLYMPIAD IN (CZECHO)SLOVAKIA



## CATEGORIES

- D** primary school students, basic level
- C** first class secondary school students, basic level
- B** second class secondary school students, slightly advanced level
- A** higher class secondary school students, advanced level in context to International Chemistry Olympiad
- EF** students of secondary schools with advanced chemistry teaching in context with Grand Prix Chimique

Category	Rounds	Participants
<b>D</b>	home, school, county, region	2500
<b>C</b>	home, school, region	500
<b>B</b>	home, school, region	250
<b>A</b>	home, school, region, national	200
<b>EF</b>	home, school, national	50

# NATIONAL CHEMISTRY OLYMPIAD IN (CZECHO)SLOVAKIA

## SUPPORTING ACTIVITIES

methodic help to teachers

voluntary chemistry classes

Summer Chemistry Camp

Summer Chemistry Camp (already 39 years)

24 + 24 students (from regional rounds of C and B categories)

two weeks during summer holidays

10 days x 7 hours of lectures and lab exercises

lecturers from the universities

developing talent of the best students



# NATIONAL CHEMISTRY OLYMPIAD IN (CZECHO)SLOVAKIA

## PROBLEMS

negative image of chemistry in society  
legislation (for work with chemicals)  
decreasing financial support from Ministry  
too administrative directing from IUVENTA  
missing tools to activate and support teachers



# INTERNATIONAL COMPETITIONS IN CHEMISTRY

## INTERNATIONAL CHEMISTRY OLYMPIAD (IChO)

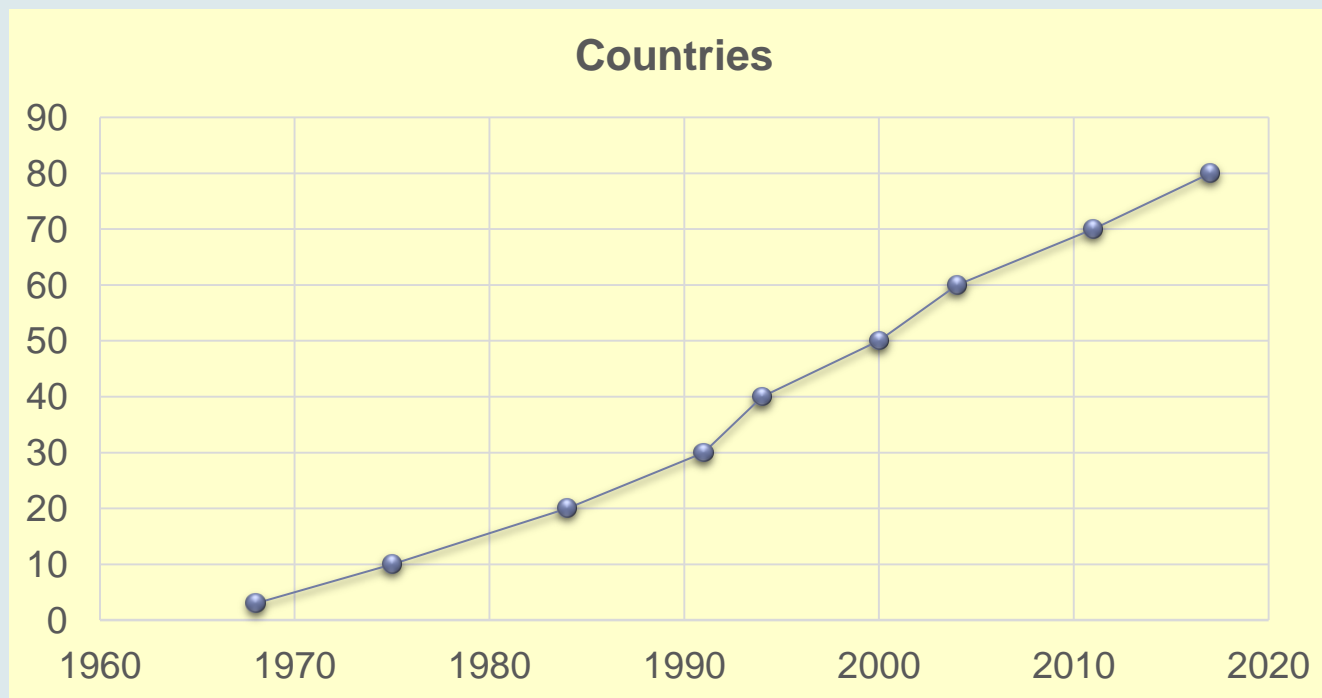
1st time in Prague in former Czechoslovakia in 1968 (48 years)

3 countries - Czechoslovakia, Hungary, Poland

Increasing number of participating countries

„western“ countries joined in 1974 (in Romania)

80 countries and 300 students are expected next year



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Organized by hosting country

Assisted by Steering Committee

Decisions made by International Jury

International Information Center of IChO (established in 1994 in Bratislava, Slovakia, <http://www.iuventa.sk/en/Subpages/ICHO/ICHO.alej>)

10 days event

Experimental and theoretical part

Tasks translated by mentors from each country

Answers as formulaes or multiple choice

Arbitration of results

Medals awarded: 10 % gold, 20 % silver, 30 % bronze

Cost up to 4 million USD

# INTERNATIONAL COMPETITIONS IN CHEMISTRY

## INTERNATIONAL CHEMISTRY OLYMPIAD (IChO)

Results of Slovakia (from 1993):

22 olympiads

88 participants

76 medals

typically about 20th place

in unoffical ranking of countries

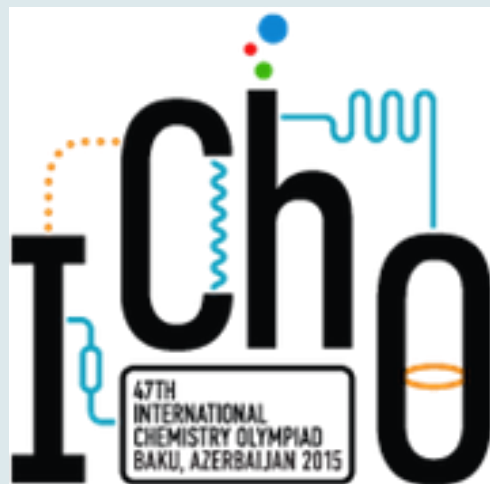
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# INTERNATIONAL COMPETITIONS IN CHEMISTRY

## INTERNATIONAL CHEMISTRY OLYMPIAD (IChO)



<http://icho2017.sc.mahidol.ac.th/>

# INTERNATIONAL COMPETITIONS IN CHEMISTRY

## INTERNATIONAL CHEMISTRY OLYMPIAD (IChO)

50th anniversary IChO 2018:

Bratislava, Slovakia & Prague, Czech Republic

"Back to the place, where it all has begun..."

Organizers:

- Ministry of Education, Science, Research and Sports, Slovakia
- Comenius University in Bratislava, Slovakia
- Ministry of Education, Youth and Sports, Czech Republic
- University of Chemistry and Technology, Prague, Czech Republic