

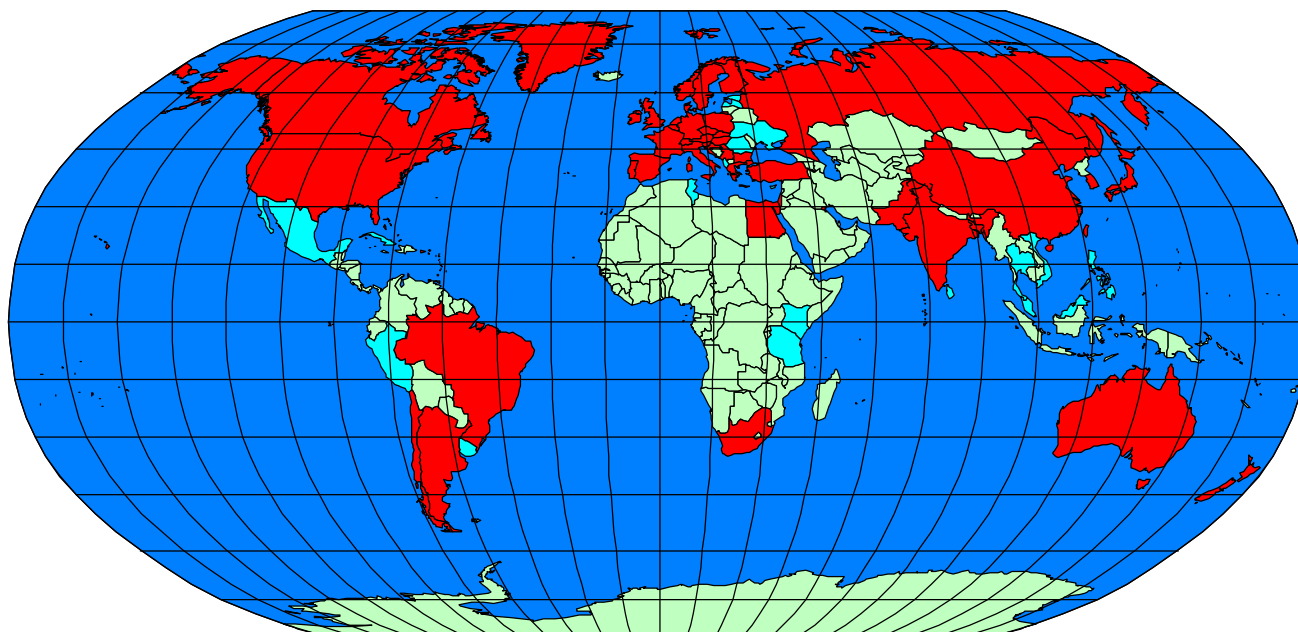
# I U P A C

Advancing Worldwide Chemistry



- **IUPAC's mission** is to advance the worldwide aspects of the chemical sciences and to contribute to the application of chemistry in the service of Mankind.
  - Promotes norms, values, ethics of science
  - Advocates free exchange of scientific information and access of scientists
  - Addresses global issues as a scientific, international, non-governmental, objective body

# IUPAC Member Countries



45 National Adhering Organizations (NAOs)  
21 Associate National Adhering Organizations (ANAOs)

# IUPAC Organization

Divisions and Standing Committees manage IUPAC's scientific work

- Physical & Biophysical Chemistry
- Inorganic Chemistry
- Organic & Biomolecular Chemistry
- Polymer
- Analytical Chemistry
- Chemistry & the Environment
- Chemistry & Human Health
- Chemical Nomenclature & Structure Representation
  
- Committee on Chemistry and Industry (COCI)
- Committee on Chemistry Education (CCE)
- CHEMRAWN Committee
- Committee on Printed and Electronic Publications (CPEP)

# Major IUPAC Activities

- Development of the Language of Chemistry
  - Nomenclature, Symbols, Terminology
- Standardization of Chemistry Methods
  - Data Presentation
  - Study of Analytic Methods
- Critical Evaluation of Physico-Chemical Data
  - Atomic Weights
  - Thermodynamic Data
  - Kinetic Data

## Major IUPAC Activities (Cont.)

- Data Exchange Standards for Computers and Instruments
- Sponsorship of Conferences
  - Biennial IUPAC Congress  
(Beijing, China 2005, Turin, Italy 2007)
  - More than 30 Specialized Symposia each Year
- Chemistry Education
- Industrial Safety and Environmental Programs
- CHEMRAWN Conferences addressing Chemistry and Societal Impact

# Proposals for Projects

- **Anyone** with a good idea can submit a proposal. IUPAC projects address issues of significance to the global chemistry community:
  - Nomenclature, terminology, and symbols
  - Validated and compiled data
  - Standard methods and procedures
  - Education and public understanding of chemistry
  - Any subject that requires development of consensus among chemists worldwide

More information: [www.iupac.org](http://www.iupac.org)

# Company Associate Program

- Relationships with internationally-based industrial corporations and scientific businesses allows for the exchange of information regarding current issues influencing Chemistry and Industry. The Committee on Chemistry and Industry (COCI) has direct involvement with Company Associates.





# Affiliate Membership Program

Individuals may become affiliated with IUPAC through the Affiliate Membership Program (AMP).

Benefits Include:

- Subscription to bimonthly magazine, *Chemistry International*
- Discounts on IUPAC Books and *Pure and Applied Chemistry*
- Registration discounts for most IUPAC-Sponsored Conferences
- Access to an international network of Chemists

More information: [www.iupac.org](http://www.iupac.org)

# The IUPAC Prize for Young Chemists

- Established to encourage young research scientists at the beginning of their careers.
- Awarded for the most outstanding Ph.D. theses in the general area of the chemical sciences.

Learn more at [www.iupac.org](http://www.iupac.org)

# Publications

- *Pure and Applied Chemistry*
  - IUPAC recommendations and reports, special topic articles, and lectures from symposia.
- *Chemistry International*
  - Bimonthly news magazine
- Book series, includes
  - *Compendia of Nomenclature and Terminology*
  - *Chemistry for the 21st Century*
  - *International Thermodynamic Tables of the Fluid State*
  - *Analytical and Physical Chemistry of Environmental Systems*
  - *Solubility Data Series*
  - and others!

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*Connect with IUPAC*

- Current IUPAC projects
- Reports and recommendations
- Chemistry International***
- Conference Calendar
- E*-news
- Nomenclature and Terminology
- Book Orders (also from Amazon.com)