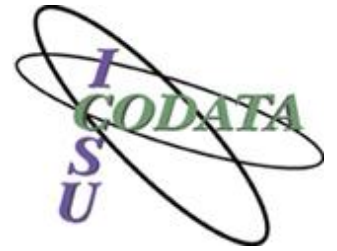


CODATA

John Broome
CODATA Treasurer

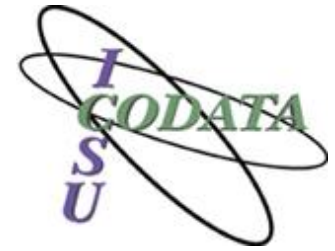
What is CODATA?



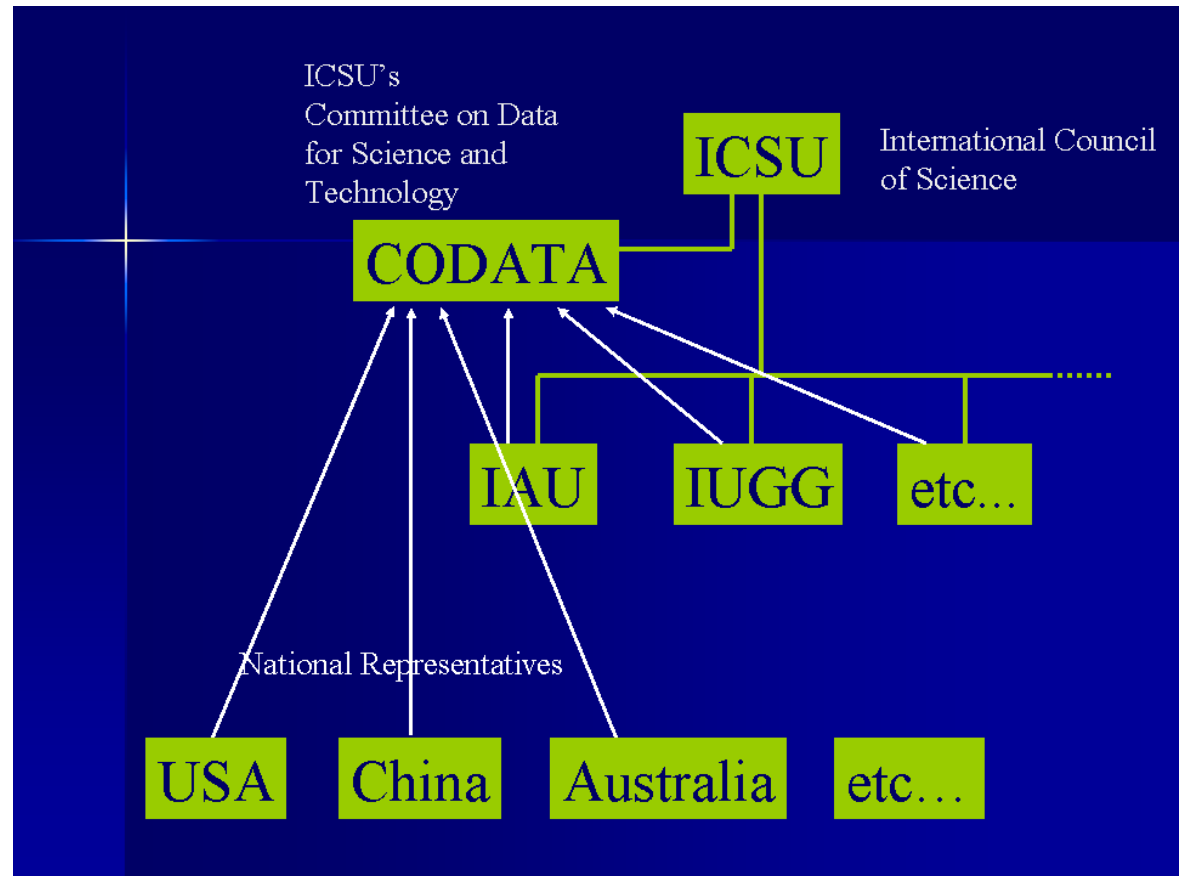
CODATA, the “Committee on Data for Science and Technology”, is an independent interdisciplinary Scientific Committee of the International Council for Science (ICSU) established 40 years ago.

<http://www.codata.org/>

CODATA in Context?



- ICSU's Data Committee
- ICSU Union representatives
- Member countries



Who is involved ?



- ~20 member countries

Australia, Canada, China, Czech Republic, Finland, Georgia, India, Indonesia, Israel, Japan, Korea, Mongolia, Russia, Ukraine, United Kingdom, United States.

- 16 International Scientific Unions

Astronomical Union (IAU), Union of Pure and Applied Chemistry (IUPAC), Union of Pure and Applied Physics (IUPAP), Union of Biological Sciences (IUBS), Geographical Union (IGU), Crystallography (IUCr), Biochemistry and Molecular Biology (IUBMB), Geological Sciences (IUGS), Psychological Science (IUPsyS), Pure and Applied Biophysics (IUPAB), Nutritional Sciences (IUNS), Basic and Clinical Pharmacology (IUPHAR), Immunological Societies (IUIS), Microbiological Societies (IUMS), Soil Science (IUSS), Geodesy and Geophysics (IUGG)

- 3 co-opted Scientific Organizations

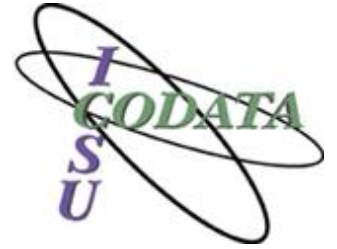
International Council of Scientific and Technical Information (ICSTI)

World Federation for Culture Collections (WFCC)

World Data System Scientific Committee (WDS SC)

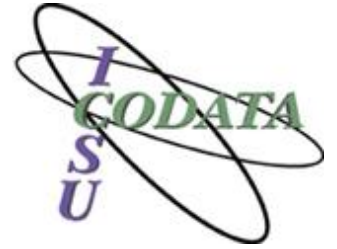
- 13 supporting organizations

CODATA Objectives



- Improvement of the quality and accessibility of data, and the methods by which data are acquired, managed, analyzed and evaluated.
- Facilitation of international cooperation among those collecting, organizing and using data.
- Promotion of an increased awareness in the scientific community of the importance of these activities.
- Data access and intellectual property issues.
- Particular emphasis on developing countries.

CODATA Activity Overview



- Task and Working Groups.
- National Committee activities (CNC/CODATA)
- CODATA Conference (2012, 2014,)
- Targeted Workshops
- Publications (Data Science Journal)
- Co-operation with other organizations on common interests
- CODATA Newsletter and Web Site
- Open Data champion

Current Task Groups



1. Advancing Informatics for Microbiology
2. Anthropometric Data and Engineering 🇨🇦
3. Data at Risk 🇨🇦
4. Data Citation Standards and Practices 🇨🇦
5. Earth and Space Science Data Interoperability 🇨🇦
6. Exchangeable Materials Data Representation to Support Scientific Research and Education
7. Fundamental Physical Constants 🇨🇦
8. Global Information Commons for Science Initiative
9. Linked Open Data for Global Disaster Risk Research
10. Octopus: Mining Space and Terrestrial Data for Improved Weather, Climate and Agriculture Predictions
11. Global Roads Data Development
12. Preservation of and Access to Scientific and Technical Data in/for/with Developing Countries (PASTD)



- Canadian National Committee (CNC)
- Sponsor: National Research Council
- A lead CODATA participating country
- Currently: Treasurer and member.
- New Chair : Bob Branton
- Sangster Award
- Web site : <http://www.codata.org/canada/>
- Email distribution list :

CNC CODATA

Welcome to the Canadian National Committee for CODATA

CODATA seeks new Executive Director
CODATA, founded in 1966, is a non-governmental organization that strengthens international science for the benefit of society by promoting improved scientific and technical (S&T) data management and use. CODATA facilitates, mobilizes and engages the knowledge and resources of the international S&T Data community represented by more than 20 national members, 16 International Scientific Unions, 3 co-opted organizations, 20 supporting organizations, and newly established categories of Affiliate and A-Large members. CODATA has a central Secretariat in Paris, co-located with the ICSU Secretariat.

Follow us on Twitter!
Use #CODATA2012 to retrieve tweets from CODATA's recent conference in Taipei, 28-31 Oct. 2012

Follow CODATA International on Twitter as well!

EVENTS OF INTEREST
23rd CODATA International Conference, 28-31 October 2012, Taipei, Taiwan.
"Open Data and Information for a Changing Planet"

Members and Observers
When offered, this award enables a graduate student enrolled in a Canadian university, or recent graduate (within 3 years of graduation), to attend and present his or her work at International CODATA Conferences. It is expected that the award winner's field of study will support the general objectives of CODATA, namely, to help foster and advance science and technology through developing and sharing knowledge about data and data-related activities.

Click here for details / Cliquez ici pour les détails

LogKOW[®]
LogKOW[®] is a databank of evaluated octanol-water partition coefficients, and is now available Online. Auxiliary data include: IUPAC names, pK_a values, SMILES strings, CAS Registry Numbers, summary of experimental conditions of measurement, Recommended Values and full references in Chemical Abstracts style. Also available on a subscription basis, LogKOW[®] is presented by Dr. James Sangster (Sangster Research Laboratories) and under the auspices of CNC/CODATA.

CODATA Conference 2012 - Taipei



Theme:

***“Open Data and Information for a
Changing Planet”***

Highlights:

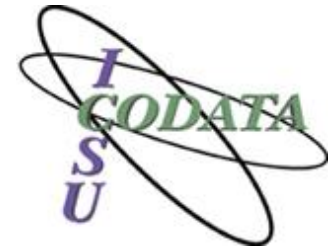
- 4 days
- 200 oral sessions
- 20 poster presentations
- six keynote addresses
- five high-level discussion sessions
- Early career scientists activities



CODATA 23
Taipei 2012



Next CODATA Conference



- CODATA International conferences are held every 2 years.
- Discussions on dates and locations are underway for the 2014 conference in New Delhi India.
- The 2014 conference may be held jointly with the World Data System.

A screenshot of a Windows Internet Explorer browser window displaying the CODATA 2012 website. The address bar shows 'http://www.codata2012.com/'. The page features a header with the CODATA 23 Taipei 2012 logo on the left and a main banner on the right with the text 'International Conference OPEN DATA & INFORMATION FOR A CHANGING PLANET' and dates '28 - 31 October 2012, Taipei'. Below the banner is a navigation menu with 'Home', 'Call for Scientific Presentations', 'Practical Info', and 'Registration'. A left sidebar contains a list of links: 'About CODATA', 'Call for Scientific Presentations', 'Scientific Program Committee', 'Program', 'Early Career Scientists', 'CODATA Prize', 'Sponsorship', 'Local Organization Committee', 'Contact Us', and 'Conference Highlights'. The main content area includes a link for 'Program Overview now online', a link for 'Information on arrival in Taipei', a portrait of a man, and a quote from the President of CODATA welcoming visitors to the website. The quote discusses the importance of open data and information in addressing global challenges like climate change and population pressure.

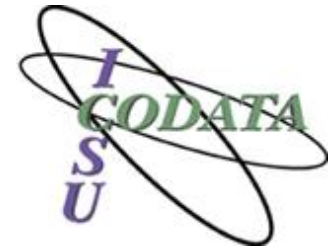
Related Int. Initiatives:

World Data System (WDS)



- CODATA works closely with WDS.
- WDS created at the ICSU 29th General Assembly based on the 50-year legacy of the ICSU World Data Centres (WDCs).
- Objectives:
 - Transition from existing stand-alone data centres/services to a common, globally interoperable, distributed data system.
 - Foster disciplinary and multidisciplinary applications for the benefit of the international scientific community.
 - Develop a broader disciplinary and geographic base and become a world-wide 'community of excellence' for data stewardship and delivery.
- WDS has 49 Member organizations in Oct. 2012.

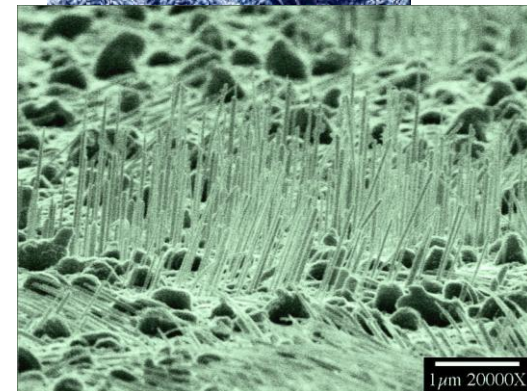
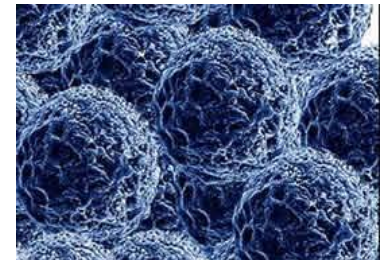
Nanomaterials



Nanomaterials: Natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate, and where most of the particles have external dimensions in the size range 1–100 nm.

CODATA is working with working the Centre For BioNano Interactions (CBNI) School of Chemistry and Chemical Biology preparing a funding application focussed on **“FutureNanoNeeds : The Description of Materials on the Nanoscale”**.

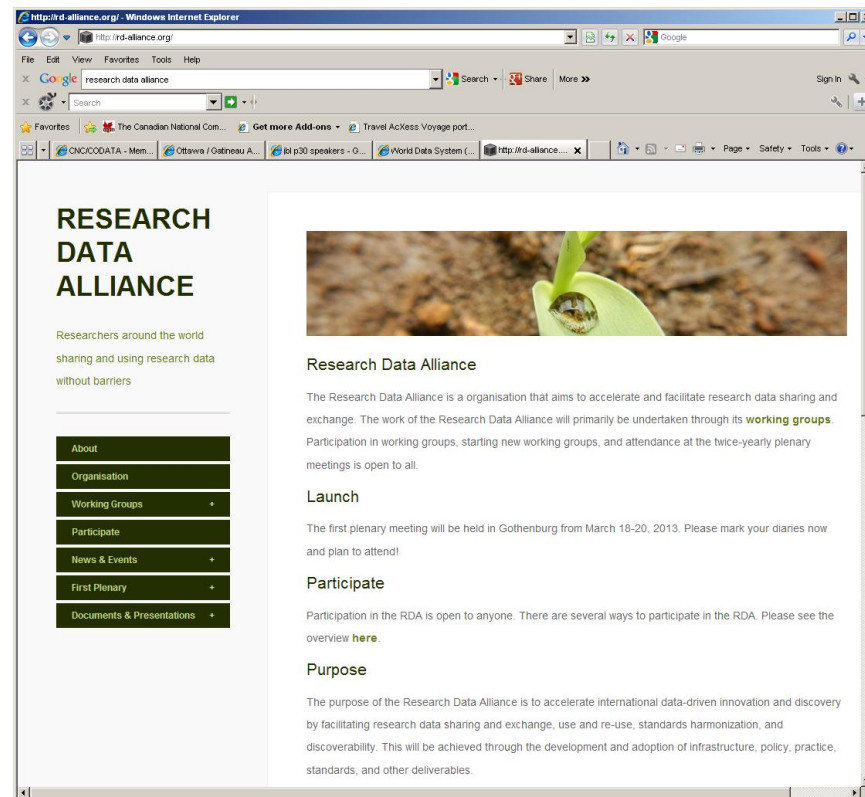
The proposed project will deliver a coherent set of tools and decision criteria for describing and establishing which are the relevant features of complex nanomaterials that determine their health and environmental risk profiles.





Research Data Alliance (RDA)

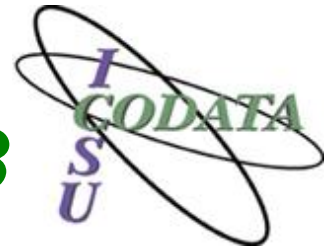
- The “Research Data Alliance” is an emerging international organization whose goal is to accelerate data-driven innovation through the sharing and exchange of research data.
- The official launch of RDA will take place in March in Sweden.
- CODATA is collaborating with RDA in preparation of a Working Group proposal on: “***Legal Interoperability of Data***”.
- CODATA will be represented at the launch.



<http://rd-alliance.org/>

CODATA Initiatives:

World Social Sciences Forum 2013



- CODATA and WDS will jointly chair a panel at the World Social Science Forum, WSSF Conference in October 2013. <http://www.wssf2013.org/>
- The panel will focus on “**Data Management Challenges For Social And Natural Sciences**”

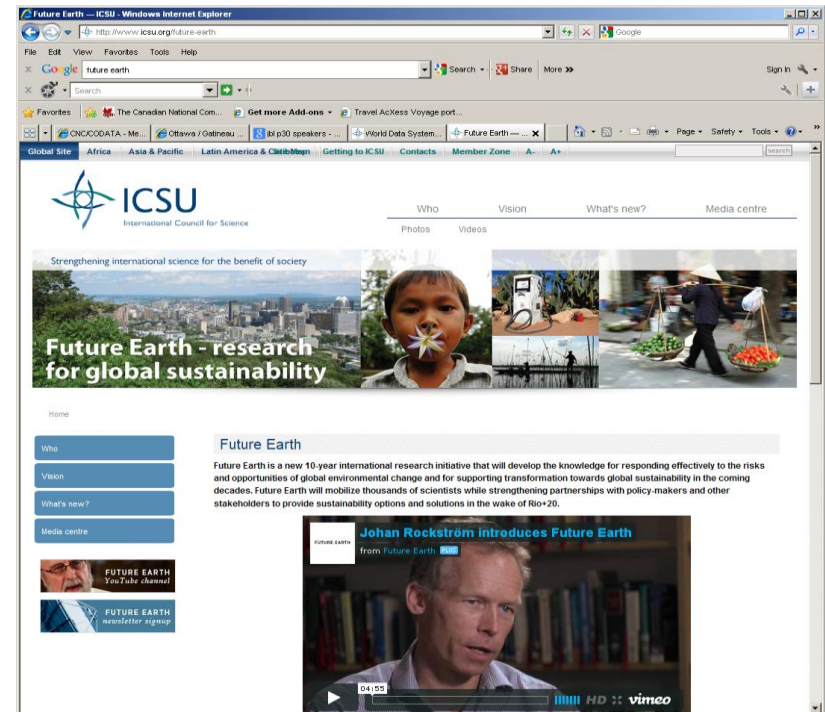


New ICSU Initiative:

Future Earth

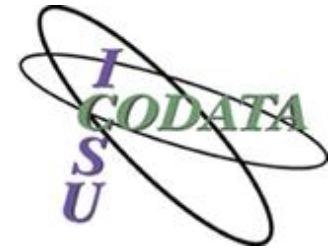


- Future Earth is a new 10-year international research initiative that will develop the knowledge for responding effectively to the risks and opportunities of global environmental change and for supporting transformation towards global sustainability in the coming decades.
- CODATA & WDS co-chaired a “Data Management Break-out Session” at the “*Future Earth: Global Earth Change Community*” Workshop (Paris, Nov. 2012)
- CODATA and WDS have submitted a nomination for a member of the *Future Earth Scientific Committee*.

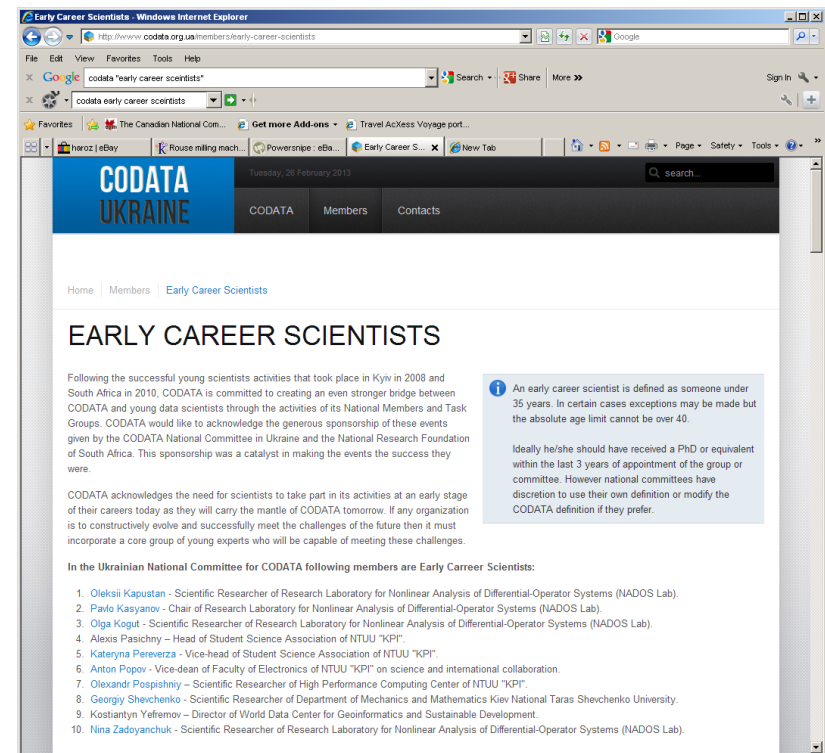


<http://www.icsu.org/future-earth>

Early Career Scientists



- CODATA has a strong focus on supporting early career scientists.
- Early career scientists often lack the networking opportunities available to more senior scientists.
- In recognition of this challenge, CODATA Conferences have dedicated sessions and targeted social events.



More Information ...



1) Visit the CODATA Web Site: www.codata.org

2) CODATA (Int.) email Distribution List

3) CNC/CODATA (Canada) email distribution list.

4) CODATA Newsletter

5) Twitter: CODATAnews

International Council for Science : Committee on Data for Science and Technology

[home](#) > [newsletter](#) > [discussion list](#) > [data science journal](#) > [contact](#) > [members area](#)

Twitter

Tuesday, February 26, 2013

search this site

go

Home
About
CODATA Membership
Resources
Task and Working Groups
Archives
CODATA in the Press

CODATA
DATA
SCIENCE
Journal

CODATA
Newsletter
Committee on Data for Science and Technology

CODATA, The Committee on Data for Science and Technology
5 rue Auguste Vauquelin
75016 Paris, France
Tel.: +33 1 45250498
Fax: +33 1 42881408
Contact the Secretariat

At the 25th CODATA General Assembly on 26-27 October in Beijing, the following Mission Statement was approved:

The mission of CODATA is to strengthen international science for the benefit of society by promoting improved scientific and technical data management and use.

NEWS AND EVENTS (for past news and events, visit our Archives)

NEW! VACANCY: Executive Director - CODATA
CODATA is looking for its new Executive Director to start in Spring 2013. Applications with full CV, names of three references, and a brief statement of interest should be addressed to the Secretary-General of CODATA at codata.execdir@gmail.com by 21 February 2013. Click [here](#) to see full announcement.

CODATA Newsletter 105

CODATA Highlights 2012

CODATA New Executive Board
The new Executive Board was elected during the 28th CODATA General Assembly in Taipei on 1-2 November 2012

Welcome to new National Members!
CODATA is proud to announce that MONGOLIA just joined the CODATA family, FINLAND and CZECH REPUBLIC will also join in 2013

CODATA @ 45 years