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CIS

50 years

**What we have done, what we
do, and what we would like to
do in the future**

**Gábor Sándi
CIS-SafeWork**

22 October 2009



CIS

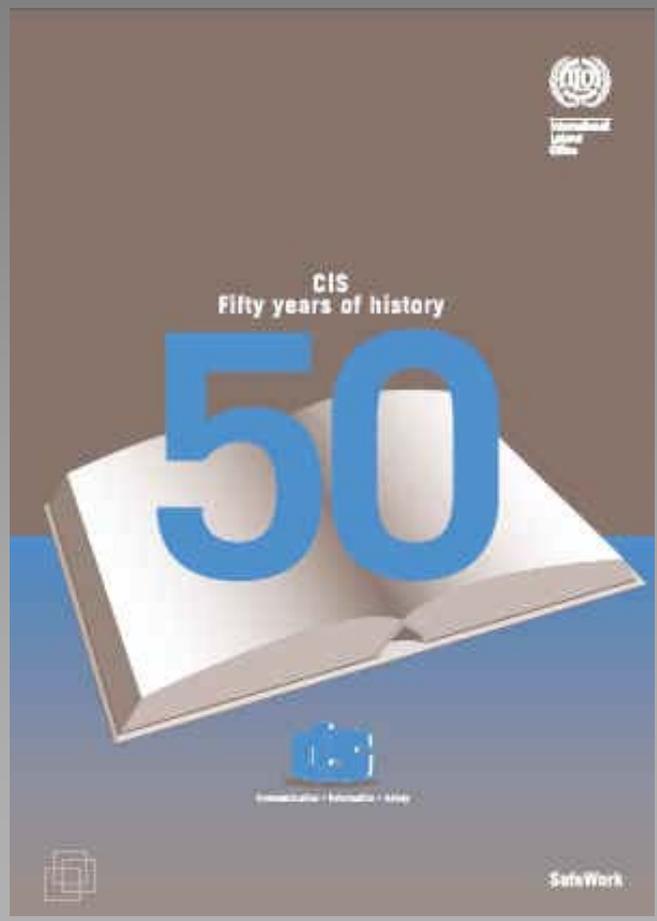
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CIS

Fifty Years of History





What do we actually do in CIS?

- The database (of course)
- Ancillary products (directories, news, CISDOC-TEXT)
- Networking (attend meetings, exchange e-mails, send news to Sheila)
- Organize conferences – this takes up an enormous amount of time
- Provide training – formal and informal
- Support SAFEWORk & other ILO colleagues – with information, know-how, just being there

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Who uses our information products?

- How many centers represented here use **CISDOC** on a regular basis ?
- How many use the online **Encyclopaedia** ?
- How many use our other products – **directories, chemical datasheets, news** ?

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Safe and healthy applications of nanotechnology

- A relatively new field
- Much useful information is not in OSH sources
- Public health
- Environment



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Where to go for information on nanotechnology?

- The ILO Encyclopaedia (no hits)
- PubMed Central
- Google
- The Wikipedia
- CIS Centres web sites
- CISDOC

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Search strategy: nanotechnology health

764 hits

Search strategy: nanotechnology safety health

203 hits

Search strategy: nanotechnology occupational

19 hits

Relevance: about 5% (except for the last)

Language of text: English (100%)



Search strategy: nanotechnology health

4,410,000 hits

Search strategy: nanotechnology safety health

655,000 hits

Search strategy: nanotechnology occupational

377,000 hits

Relevance: hard to judge, but few journal articles or full-text monographs, since these are under copyright.

Language of text: English (100%)

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By language

Search strategy: nanotechnology health [En]

4,410,000 hits

Search strategy: nanotechnologie santé [Fr]

380,000 hits

Search strategy: nanotecnología salud [Es]

271,000 hits

Search strategy: Nanotechnologie Gesundheit [De]

487,000 hits

Search strategy: ナノテクノロジー 健康 [Ja]

443,000 hits

Search strategy: нанотехнология
“охрана труда” [Ru]

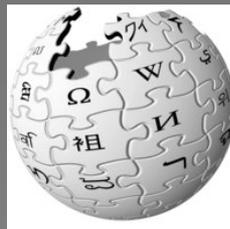
16,700 hits



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Wikipedia

Main article: **Health implications of nanotechnology**

References: **8 (all to full-text articles on the Internet)**

See also references: **3 other articles on the Wikipedia**

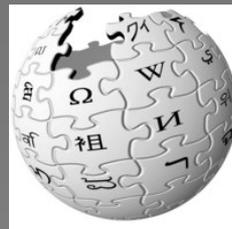
External references: **1 article (in the New Scientist)**

Relevance: Good, but limited and somewhat popular in approach + information is not necessarily authoritative



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CIS Centres

NIOSH: <http://www.cdc.gov/niosh/topics/nanotech/>

HSE: <http://www.hse.gov.uk/horizons/nanotech.htm>

INRS: [http://www.inrs.fr/INRS-PUB/inrs01.nsf/inrs01_catalog_view_view/4428D7E01036FEC9C125729F003445E9/\\$FILE/visu.html?OpenElement](http://www.inrs.fr/INRS-PUB/inrs01.nsf/inrs01_catalog_view_view/4428D7E01036FEC9C125729F003445E9/$FILE/visu.html?OpenElement)

FUNDACENTRO:

[file:///C:/Documents%20and%20Settings/Sandi%20Admin/Local%20Settings/Temporary%20Internet%20Files/Content.IE5/7JEKJP0Y/pauloMartins%5B1%5D.ppt#312,2,EDGARD MORIN \(1\)](file:///C:/Documents%20and%20Settings/Sandi%20Admin/Local%20Settings/Temporary%20Internet%20Files/Content.IE5/7JEKJP0Y/pauloMartins%5B1%5D.ppt#312,2,EDGARD MORIN (1))

Relevance: Partial and restricted to publications of national interest

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Search strategy: nano*

37 hits

Relevance: 100%

Language of text:

English – 18

French – 15

German – 2

Portuguese – 1

Spanish – 1



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OSH ASPECTS OF NANOTECHNOLOGY

A CIS BIBLIOGRAPHY

CIS 08-1119

NIOSH, nanotechnology, and occupational safety and health research - Frequently asked questions.

Publications Dissemination, National Institute for Occupational Safety and Health (NIOSH), 4676 Columbia Parkway, Cincinnati, OH 45226-2001, USA, May 2008. HTML document. In English. (108720).

EN: <http://www.ilo.org/intranet/english/protection/safework/cis/database/orig/2008/08-1119.pdf>

EN: <http://www.cdc.gov/niosh/topics/nanotech/faq.html>

Answers to frequently-asked questions on nanotechnology and nanomaterials, including production, uses, NIOSH research, number of workers exposed, effects on health, exposure evaluation, exposure tests and sources of additional information.

Descriptors (primary): *USA; exposure evaluation; health hazards; nanoparticles; nanotechnology; new technologies; supply of information.*

Descriptors (secondary): *exposure tests; information dissemination; information of personnel; limitation of exposure; public OSH institutions; research.*

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**So, after all that,
what is CIS all
about?**

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CIS's official role

To support the ILO's action plan in knowledge management and international cooperation by:

- maintaining databases and ensuring their accessibility
- editing, acquiring and diffusing relevant publications
- organizing international meetings involving institutions active in OSH

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CIS Products

- **CISDOC/CISILO:** Database with 70,000 bilingual (many trilingual) indexed records with abstracts
- **Virtual Bulletin:** Equivalent of the old printed Bulletin, available free on the Internet
- **LEGOSH:** 3000 laws, regulations and directives concerning OSH from around the world
- **CISTHES:** 15 000 terms
- **ILO Encyclopaedia :** > 1000 articles
- **CIS Glossary:** 2600 specialized OSH terms , in 5 languages
- **IPCS Cards:** 1500 cards on the properties of dangerous substances, in many languages

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SafeWork Bookshelf



Search: in Encyclopaedia



ENCYCLOPAEDIA OF OCCUPATIONAL HEALTH AND SAFETY Fourth Edition

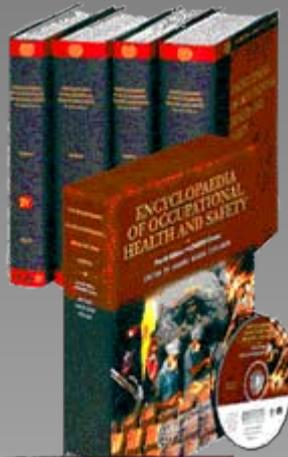
VOLUME I

- [Preface to the Fourth Edition](#)
- [Prefaces to previous editions](#)
- [Foreword](#)

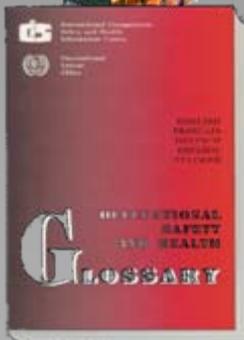
PART I. THE BODY

- [1. Blood](#)
- [2. Cancer](#)
- [3. Cardiovascular System](#)
- [4. Digestive System](#)
- [5. Mental Health](#)
- [6. Musculoskeletal System](#)
- [7. Nervous System](#)
- [8. Renal-Urinary System](#)
- [9. Reproductive System](#)

Publications



The OHS Encyclopaedia (4th edition):
In the 3 official languages of the ILO;
also in Chinese, Japanese, Korean and
Russian



The SafeWork Bookshelf on CD

The CIS Glossary of OSH terminology

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The IPCS Cards

•Compilation: •Translation:

- Belgium
- Canada
- Finland
- Germany
- Hungary
- Italy
- Japan
- Poland
- Spain
- United Kingdom
- USA

- Brazil
- China
- Egypt
- India
- Indonesia
- Korea
- Malaysia
- Pakistan
- Portugal
- Russia
- Sri Lanka
- Tanzania
- Thailand
- Viet Nam

AMMONIUM NITRATE		ICSC: 0216 March 2007	
CAS # EINECS # UN # EC #	484-502 21205000 1942	Mineral, ammonium salt NH_4NO_3 Molecular mass: 80	
TYPES OF HAZARD / EXPOSURE	ACUTE HAZARDS / SYMPTOMS	PREVENTION	FIRST AID / FIRE FIGHTING
FIRE	Not combustible but enhances combustion of other substances. Explosive. Gives off irritating or toxic fumes (or gases) in a fire.	NO contact with combustible or reducing agents.	Water in large amounts. NO other extinguishing agents. In case of fire in the surroundings, use flooding amounts of water in the early stages.
EXPLOSION	Risk of fire and explosion under confinement and high temperatures.		Evacuate danger area! In case of fire, keep drums, etc., cool by spraying with water. Control fire from a sheltered position.
EXPOSURE		ENVIRONMENTAL INFORMATION	
Inhalation	Cough, Headache, Sore throat, See Irritation.	Local irritation on breathing protection.	Fresh air, rest. Artificial respiration if indicated. Refer to medical attention.
Skin	Redness.	Protective gloves.	First rinse with plenty of water, then remove contaminated clothes and rinse again. Refer to medical attention.
Eyes	Redness, Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Abdominal pain, Blue lips or fingernails, Blue skin, Convulsions, Dizziness, Drowsiness, Vomiting, Weakness.	Do not eat, drink, or smoke during work.	Brush mouth. Refer to medical attention.
SPILLAGE DISPOSAL		PACKAGING & LABELLING	
Evacuate danger area! Consult an expert! Sweep spilled substance into non-combustible container. Wash away remainder with plenty of water.		EU Classification UN Classification UN Hazard Class: 5.1 UN Pack Group: III	
EMERGENCY RESPONSE		STORAGE	
European Emergency Call: 112 (R)-240 NFPA Code: H 2, F 0, R 2, ex.		Provision to contain if fluid from fire extinguishing. Separated from combustible and reducing substances. Dry.	
    		Prepared in the context of cooperation between the International Programme on Chemical Safety and the Commission of the European Communities (IPCS, CEC 2001)	

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- Español
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- Partners ▶
- Related ILO Resources ▶
- Non ILO links
- News ▶
- Sitemap
- Contact us



CIS is the knowledge management arm of the **InFocus Programme on Safety and Health at Work and the Environment (SafeWork)**. Its goal is to ensure that workers and everyone concerned with their protection have access to the facts they need to prevent occupational injuries and diseases. CIS continuously monitors world literature on occupational safety and health through its contacts with publishers and with 136 focal points ("CIS Centres") at the national or regional level. Summaries and citations of the most useful publications, as well as products based on the collected information, are disseminated electronically and in print. The network of CIS Centres contributes to the exchange of information among persons responsible for the establishment and implementation of national policies and programmes.

CIS was founded in 1959 as a joint endeavour of the ILO, the International Social Security Association, the European Coal and Steel Community and the occupational safety and health authorities of 11 European countries. The original 11-member network of National Centres has grown to cover 120 countries all over the world. In many countries, Collaborating Centres complement the National Centres, and the Arab Occupational Health and Safety Institute of the Arab Labour Organization became the first Regional Centre in 2004. With the evolution of European institutions, CIS now enjoys the support of the European Commission.

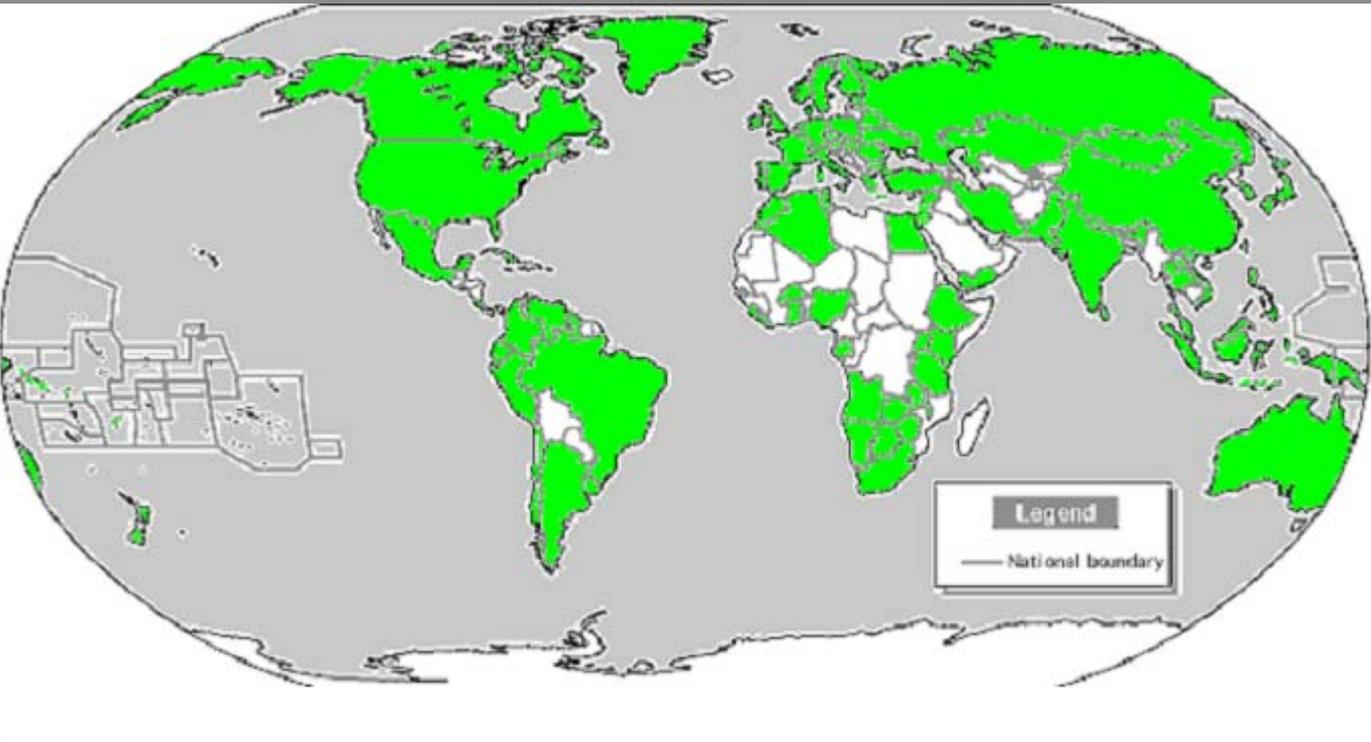
The menus to the left provide access to the full range of CIS databases and publications. They also link to



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The CIS Networks of Centres



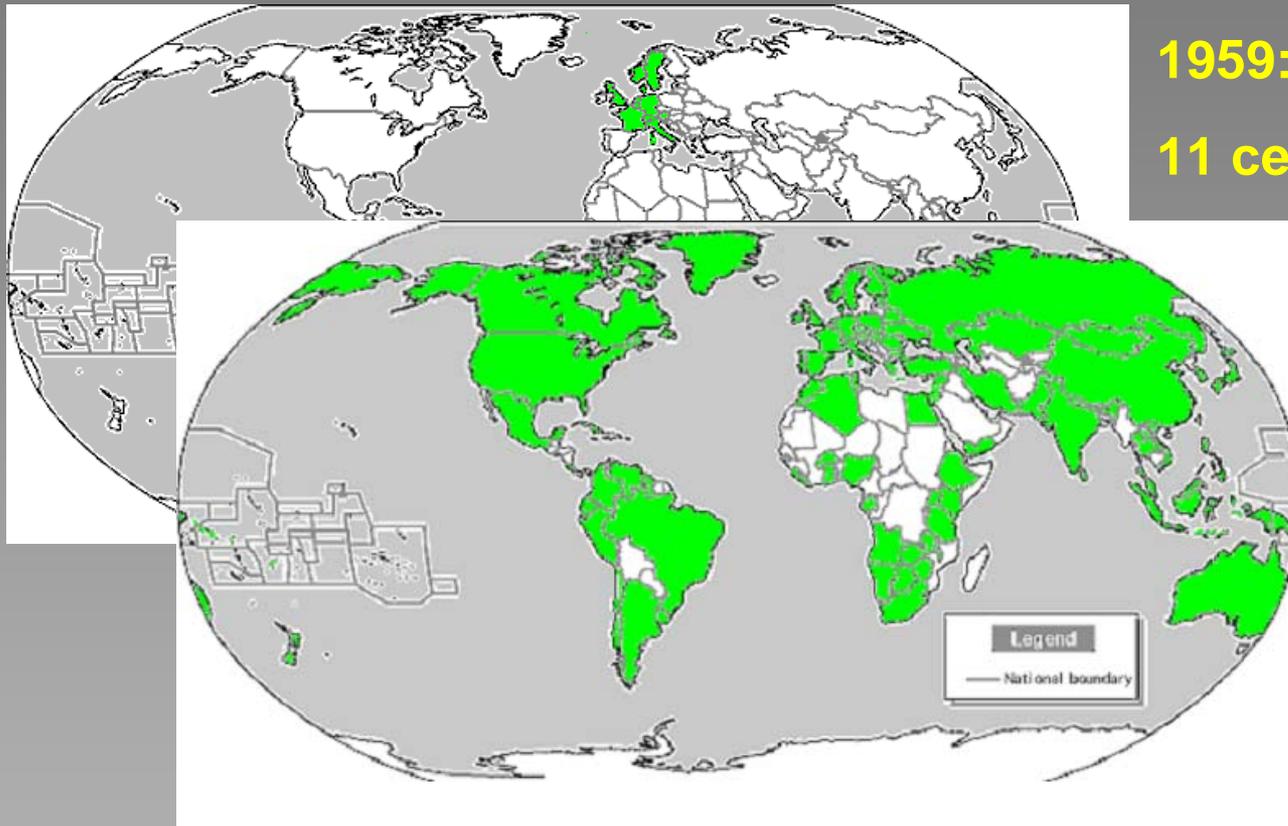
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Evolution of centres

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1959:

11 centres

2009:

150+ centres

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Possible future

- Integration of the Encyclopaedia with various other CIS products
- Continuous development of electronic resources
- Continuing the tradition of holding annual centres meetings, including (possibly) regional ones

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**The most important web
address then will continue
to be:**

<http://www.ilo.org/cis>

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The CIS logo consists of the letters 'CIS' in a bold, white, sans-serif font, positioned in the upper left corner of a blue rectangular area. This blue area is part of a larger vertical banner that features a background image of a person wearing a hard hat and safety glasses, looking towards the right.

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**Thank you for your
attention!**