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INIS

International Nuclear Information System

Zsolt Stanik
Subject Control Unit

INIS - International Nuclear Information System



- u Information Reference Service
 - u Scientific and Technical Literature
 - u Operated by IAEA
 - u Based on International Cooperation
-
- u > 2,4 Mio. References
 - u Since 1970
 - u Annual growth 80.000 references

TI

(Title): 5.4. Human population dose from artificial radiation sources in environment. 5.4. Davkova zatez lidske populace umelymi zdroji zarení v životním prostředí

AU

(Author): Cejnar, F

TYPE

(Type of Document): Book

SO

(Source): Kovar, Z. Spurny, F. Spurny, Z. Novotny, J. Cejnar, F. Advances in ionizing radiation dosimetry. Pokroky dozimetrie Ionizujícího záření. Prague (Czechoslovakia). Academia. 1984. 340 p. p. 202-211. 123 figs 12 pages of photographs

AB

(Abstract): Radiation doses of the human population from the operation of nuclear power plants, from fuel reprocessing and other artificial radiation sources are evaluated. It is shown that more than 50% of doses from nuclear power generation is given by the global dispersion of long-lived radionuclides ^{14}C , ^{85}Kr and ^3H . A comparison of natural and artificial radiation sources shows that the greatest proportion of radiation doses from artificial sources comes from the use of ionizing radiation in medicine. (Ha)

DEI

(Indexer-Assigned Descriptors): body burden; fission products; global aspects; human populations; nuclear facilities; nuclear medicine; radiation doses; radioactive effluents; radioisotopes; reprocessing;

DEC

(Computer-Assigned Descriptors): isotopes; materials; medicine; populations; radioactive materials; radioactive wastes; separation processes; wastes;

YEAR

(Publication Year): 1984

LA

(Language): Czech

C1

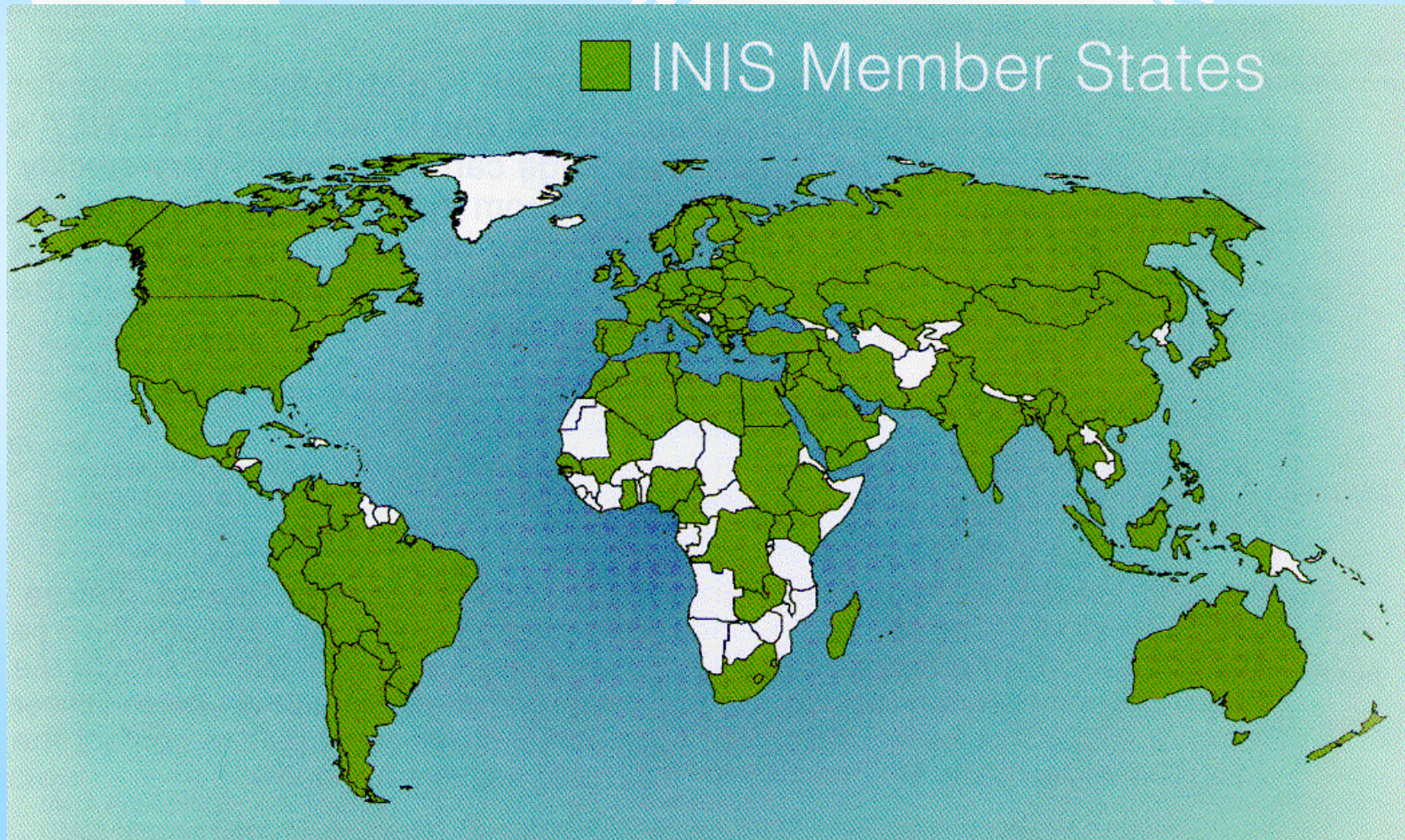
(Primary Category Code): C5500

CD

(Explanations of Category Codes): Personnel Dosimetry and Monitoring

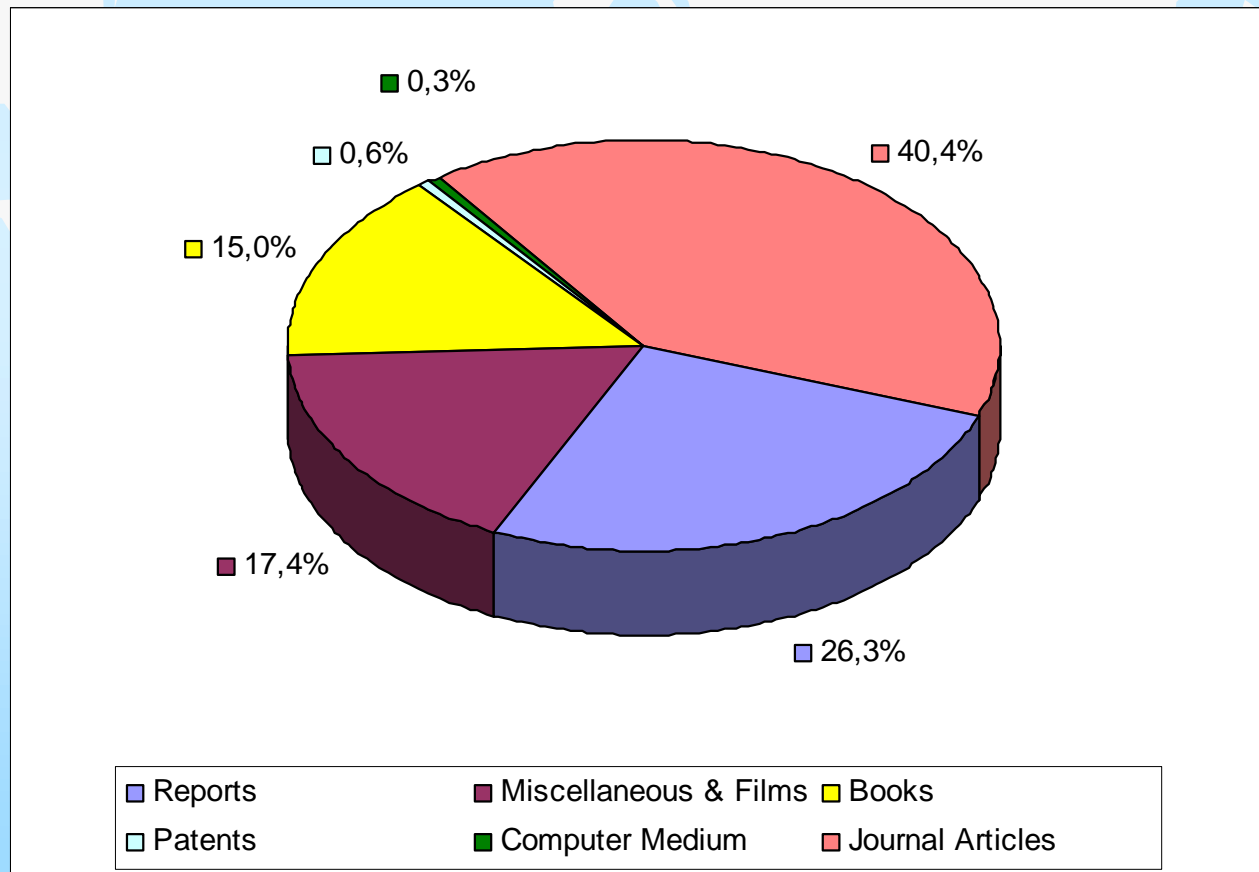
INIS - International Cooperation

110 Member States



INIS - Type of Literature

56 % Journals & Books
44 % non-conventional Literature



INIS - Subject Coverage

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 - s Silverplatter Software
- u INIS NCL
 - s Full text of non-conventional Literature
 - s INISIR Software for display, print and download
 - s Linkage to INIS Database

INIS WebSite

<http://www.iaea.org/programmes/inis/index.html>




International Nuclear Information System
of the International Atomic Energy Agency, Vienna




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- The Republic of Korea has made a proposal to host the INIS Database in their country.
- Professional vacancies at INIS

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- **International co-operation** is an INIS distinguishable characteristic and its most valuable asset.

1 2 2 M e m b e r s

103 Countries



19 International

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Simple

Main

Command

Boolean

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INIS is the world's leading information system on the peaceful uses of nuclear science and technology.

The INIS Database is made available on the Web under BASIS retrieval software, and users need only to have a Web browser that supports "JavaScript 1.1" standard, such as "Microsoft Internet Explorer 4.0+", or "Netscape Navigator 3.0" or "Netscape Communicator 4.0+."

Last Update 12 September 2001

INIS Database News (11 June 2001): [New Enhancement](#)

(8 February 2001): Special "[Login](#)" Feature for access by IP address

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"Manual for Online Retrieval from the INIS Database on Internet" ([inisman.pdf](#), [inisman.zip](#)) can be loaded directly from this page.

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INIS vs Congress Topics

A light blue world map is centered in the background of the slide, showing the outlines of continents and major landmasses.

- u Environmental Aspects
- u Radiation Protection
- u Biological Effects of Radiation
- u Legal Aspects

Environmental Aspects

A light blue world map is visible in the background of the slide, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

- u Siting of Nuclear Installations
- u Radioactive Releases from Nuclear Installations
- u Design and Hypothetical Accidents at Nuclear Installations

Radiation Protection (RP)

A light blue world map is visible in the background of the slide, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

- u Procedures to provide RP for man
- u Prevention of contamination
- u Procedures for decontamination
- u Personnel and radiation monitoring
- u Dose calculation and measurement
- u Radiation protection standards
- u Emergency planning

Biological Effects of Radiation



- u Effect of external irradiation on biochemicals, cell and tissue cultures, microorganisms, plants, animals and man
- u Effects on internal irradiation, radioisotope kinetics and toxicity in microorganisms, plants, animals and man

A light blue world map is centered in the background of the slide. The continents are shown in a slightly darker shade of blue, and the oceans are a lighter shade. The map is oriented with North at the top.

Legal Aspects

- u Radioactive materials and radiation sources
- u Nuclear installations
- u Radiation health
- u Management, transport and storage of radioactive materials and waste

INIS Contact Addresses



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