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SOVIET UNION AND EASTERN EUROPE: STATE OF THE ENVIRONMENT Compiled by John F. Buydos

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SCOPE: This guide offers a review of the literature in the collections of the Library of Congress on the state of the environment in the Soviet Union and Eastern Europe. Although only English-language sources are listed, references to materials in other languages can also be traced by means of the subject headings provided on the following page. Not intended to be a comprehensive bibliography, this guide is designed--as the name of the series implies--to put the reader "on target."

INTRODUCTORY MATERIAL appears in

Karpowicz, Z. J. Conservation and environmental protection. In Science and technology in the USSR. Michael J. Berry, editor. Burnt Mill, Harlow, Essex, UK, Longman; Detroit, distributed exclusively in the USA and Canada by Gale Research Co., 1988. (Longman guide to world science and technology, 6) p. 361-379. Q127.S696S325 1988*
Includes bibliographical references.

Tarnoff, Curt. Eastern Europe and the environment. Congressional Research Service review, v. 11, Mar./Apr. 1990: 29-31. JK1.U54a and Pamphlet box*
Describes the relationship between the democratization process in Eastern Europe and the political concern over the deteriorating environment.

*Available in reference collection, Science Reading Room

SUBJECT HEADINGS used by the Library of Congress (with geographical subdivisions) under which relevant books on environmental concerns in the Soviet Union and Eastern Europe can be identified in most card, book, and online catalogs, include the following:

AIR--POLLUTION (Highly relevant)
ENVIRONMENTAL POLICY (Highly relevant)
ENVIRONMENTAL PROTECTION (Highly relevant)
POLLUTION (Highly relevant)
WATER--POLLUTION (Highly relevant)
ECOLOGY (Relevant)
ENVIRONMENTAL HEALTH (Relevant)
ENVIRONMENTAL LAW (Relevant)
NATURAL RESOURCES (Relevant)
WATER, UNDERGROUND--POLLUTION (Relevant)
WATER QUALITY MANAGEMENT (Relevant)
CONSERVATION OF NATURAL RESOURCES (Related)
NATIONAL PARKS AND RESERVES (Related)
NATURAL AREAS (Related)
NATURE CONSERVATION (Related)
SOIL CONSERVATION (Related)
SOIL EROSION (Related)
WILDLIFE CONSERVATION (Related)

See subdivision ENVIRONMENTAL ASPECTS under various subject headings, e.g., FOREST RESERVES--ENVIRONMENTAL ASPECTS; MINES AND MINERAL RESOURCES--ENVIRONMENTAL ASPECTS

Consult Subject Headings, Library of Congress for other subject headings, depending on area of interest. Many subject headings, including all of those listed above, may be subdivided geographically, e.g.,
ENVIRONMENTAL POLICY--SOVIET UNION
AIR--POLLUTION--CZECHOSLOVAKIA
AIR--POLLUTION--LITHUANIA
POLLUTION--RUSSIAN S.F.S.R.--BAIKAL LAKE REGION
BAIKAL LAKE (R.S.F.S.R.)

BASIC TEXTS

From below: independent peace and environmental movements in Eastern Europe and the USSR, October 1987. New York, U.S. Helsinki Watch Committee, c1987. 263 p.

Includes bibliographies.

JX1952.F868 1987

Jancar-Webster, Barbara. Environmental management in the Soviet Union and Yugoslavia: structure and regulation in federal communist states. Durham, Duke University Press, 1987. 481 p.

Bibliography: p. 407-436.

HC340.E5J35 1987

- Marcinkiewicz, Jan. Pollution in the heart of Europe. London, Polish Society of Arts and Sciences Abroad, 1987. 55 p. TD186.5.P7M37 1987
Originally presented at the Congress of Polish Culture held in London, Sept. 1985.
- Völgyes, Iván, ed. Environmental deterioration in the Soviet Union and Eastern Europe. New York, Praeger Publishers, 1974. 168 p. TD186.5.R9V6
Includes bibliographical references.
- Ziegler, Charles E. Environmental policy in the USSR. Amherst, University of Massachusetts Press, 1987. 195 p. Bibliography: p. 167-191. HC340.E5Z53 1987

ADDITIONAL TITLES

- Environmental policies in Yugoslavia: a review. By the OECD and its Environment Committee undertaken in 1985 at the request of the Government of Yugoslavia. Paris, Organisation for Economic Co-operation and Development; Washington, OECD Publications and Information Centre, distributor, c1986. 160 p. HC407.Z9E555 1986
Includes bibliographical references.
- Environment statistics in Europe and North America: an experimental compendium. United Nations Statistical Commission and Economic Commission for Europe. New York, United Nations, 1987. 100, 87 p. (Statistical standards and studies. Conference of European Statisticians, no. 39)
Bibliography: p. II-83-II-87. TD186.E98 1987*
Pt. 1. Time series data and indicators--pt. 2. Statistical monograph of the Baltic Sea environment.
- Environmental protection: tasks and results: information from the German Democratic Republic. Translated by Intertext. Berlin, Panorama DDR, [1985], 1986 printing. 70 p. Translated from the German. TD171.5.G35E4 1986
- Goldman, Marshall I. The spoils of progress: environmental pollution in the Soviet Union. Cambridge, Mass., M.I.T. Press, 1972. 372 p. TD187.5.R9G63
Bibliography: p. [333]-357.
- Kiselev, N. N. Our common home. Translated from Russian by Gennady Miram. Notre maison commune. Traduit du russe par Vladimir Evintov. Kiev, Politvidav Ukraini Publishers, 1986. 189 p. TD171.5.S65K57 1986
Title in colophon: Mash obshchiĭ dom.

- A Környezet állapota és védelme. State and protection of the environment. Központi Statisztikai Hivatal Társadalmi Statisztikai Főosztály Környezetstatisztikai Osztályán; [Edited by] Eszter Horváth. Budapest, Központi Statisztikai Hivatal, 1986. 330 p. TD171.5.H9K66 1986
Introduction in English and Russian.
Includes bibliographies
- Mallinckrodt, Anita M. The environmental dialogue in the GDR: literature, church, party, and interest groups in their socio-political context: a research concept and case study. Lanham, Md., University Press of America, c1987. 198 p. JA76.M335 1987
Co-published by arrangement with the International Symposium on the German Democratic Republic.
Bibliography: p. 167-192.
- Pryde, Philip R. Conservation in the Soviet Union. Cambridge, Eng., University Press, 1972. 301 p. S934.R9P76
Bibliography: p. 264-294.
- Weiner, Douglas R. Models of nature: ecology, conservation, and cultural revolution in Soviet Russia. Bloomington, Indiana University Press, c1988. 312 p. QH77.S626W45 1988
Bibliography: p. 289-306.

SPECIALIZED TITLES

- Alföldi, László, and Béla Papp. The problems of environmental protection for subsurface waters in Hungary. Budapest, Research Institute for Water Resources Development, 1976. 115 p. (Research Institute for Water Resources Development. Publications in foreign languages, 12) GB726.H8B83 no. 12
- Askochenskiĭ, Aleksandr Nikolaevich. Irrigation and water supply in the USSR. Translated from the Russian by E. V. Maltsina. Moscow, Mir Publishers, 1970. 162 p. S616.R9A813
Translation with revisions of Oroshenie i obvodnenie v SSSR.
- Environmental pollution with special reference to air pollutants and to some of their biological effects. Edited by M. Y. Nuttonson. Silver Spring, Md., American Institute of Crop Ecology, 1973. 124 p. (AICE survey of USSR air pollution literature, v. 19) TD883.E57
Translation from the Russian.
This volume is part of a survey of USSR literature on air pollution conducted by the Air Pollution Section of the American Institute of Crop Ecology.
Includes bibliographies

Environmental statistics 1975-1980. Hungarian Central Statistical Office. Budapest, Central Statistical Office, 1981. 67 p. TD171.5.H9E58 1981

Forest ecosystems in industrial regions: studies on the cycling of energy, nutrients, and pollutants in the Niepolomice Forest, southern Poland. Edited by W. Grodziński, J. Weiner, and P. F. Maycock. Berlin, New York, Springer-Verlag, 1984. 277 p. (Ecological studies, v. 49) QH162.F67 1984

Bibliography: p. 246-267.

Komarov, Boris. The environmental risk of the developing oil and gas industry in western Siberia. By Zeev Wolfson (Boris Komarov). Jerusalem, Hebrew University of Jerusalem, Soviet and East European Research Centre, 1983. 21 p. (The Hebrew University of Jerusalem, the Soviet and East European Research Centre. Research paper, no. 52)

Bibliography: p. 20-21. HD9502.S653S575 1983

Lake Stechlin: a temperate oligotrophic lake. Edited by S. Jost Casper. Dordrecht, Boston, W. Junk; Hingham, Mass., distributors for the U.S. and Canada, Kluwer Academic Publishers, 1985. 553 p. (Monographiae biologicae, v. 58) Includes bibliographies. QP1.P37 vol. 58

Medvedev, Zhores A. Nuclear disaster in the Urals. Translated by George Saunders. New York, Norton, c1979. 214 p. Includes bibliographical references. TD196.R3M42 1979

Mote, Victor L. Environmental constraints to the economic development of Siberia. Washington, Association of American Geographers, 1978. 2 v. 166 p. (Discussion paper - Association of American Geographers, no. 6) HC337.S5M67
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Predel'no dopustimye kontsentratsii i orientirovochnye bezopasnye urovni vozdeistviia vrednykh veshchestv v ob"ektakh vneshnei sredy. English. Maximum allowable concentrations and tentative safe exposure levels of harmful substances in the environmental media: hygienic standards officially approved in the USSR. Compiled by M. I. Bukovskiy and others. Translated by V. E. Tatarchenko. Moscow, Centre of International Projects, GKNT, 1984, c1983. 113 p. RA1229.5.P7413 1984

At head of title: United Nations Environment Programme and others.

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- Sanchez, James. Large scale interbasin water transfer projects in Soviet regional planning. Chicago, CPL [Council of Planning Librarians] Bibliographies, c1985. 20 p. (CPL bibliography, no. 158) Z7935.S26 1985

CONFERENCE PROCEEDINGS

- Environmental management: British and Hungarian case studies. Edited by Paul A. Compton, Márton Pécsi. Translated by Gy. Bora and others. Rev. by P. A. Compton, D. Loczy. Budapest, Akadémiai Kiadó, 1984. 263 p. (Studies in geography in Hungary, 16) HC260.E5E58 1984

Papers presented at the Third British-Hungarian Geographical Seminar, held at the University of East Anglia, Sept. 16-25, 1982.

Includes bibliographies

- Environmental problems in the Soviet Union & Eastern Europe. Edited by Fred Singleton. Boulder, L. Rienner, 1987. 208 p. TD171.5.S65E58 1987

Selected papers from the Third World Congress for Soviet and East European Studies, held in Washington, D.C., Oct. 30-Nov. 4, 1985, sponsored by the International Committee for Soviet and East European Studies and the American Association for the Advancement of Slavic Studies.

Includes bibliographies.

- Finnish-Polish Seminar on Water Pollution Control in Pulp and Paper Industry, Helsinki, 1985. Finnish-Polish Seminar on Water Pollution Control in Pulp and Paper Industry, Helsinki, 25-27 September, 1985. Helsinki, Ministry of the Environment, Environmental Protection and Nature Conservation Dept.; Available from Government Printing Centre, 1986. 229 p. (Series D, 18/1986) TD195.P37F56 1985

Includes bibliographies.

- The Finnish-Soviet symposium on national parks and nature reserves. Helsinki, Maa- ja metsätalousministerio, 1983. 89 p. (Luonnonvarainhoitotoimiston julkaisuja, 7)

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- International Slavic Conference, 1st, Banff, Alta., 1974. Environmental misuse in the Soviet Union. Edited by Fred Singleton. New York, Praeger, 1976. 100 p.

HC340.E5I59 1974

"The fifth of eight volumes of papers from the first international conference sponsored by the American Association for the Advancement of Slavic Studies ..."

Includes bibliographical references

ABSTRACTING AND INDEXING SERVICES which index relevant journal articles and other literature include:

A.I.D. Research & Development Abstracts (1974-) HD82.U535a*
See: Environment and Natural Resources

Applied Science & Technology Index (1913-) Z7913.I7*
See: All headings beginning with Environment(al)
Air Pollution
Pollution
Water Pollution

Aquatic Sciences and Fisheries Abstracts (1971-) QH90.A1A68*
See: Geographic index by sea area delimitations, e.g.,
PNE--USSR--Siberia; INW--Okhotsk Sea; or by
geographic subdivisions, e.g., Hungary--Balaton L.;
USSR--Ladoga L.; Yugoslavia--Danube R.

Bibliography on Cold Regions Science & Technology (195.-)
GB2401.U53*
See: All headings beginning with Environment(al)
Air Pollution
Pollution
Water Pollution

Biological & Agricultural Index (1916-) Z5073.A46*
See: Subjects headings of interest
with geographic subdivisions, e.g.,
Forest Ecology--Czechoslovakia;
Environmental Policy--Poland

Environment Abstracts Annual (1971-) GF1.E553*
(Formerly published with companion volume Environment Index, 1971-1987.)
See: Geographic index, e.g., USSR; Baltic Sea; Hungary;
Germany, East

Environmental Periodicals Bibliography (1972-) Z5863.E57E58*
See: Geographic headings, e.g., USSR--Black Sea;
Baltic Sea--Poland

General Science Index (1978-) Z7401.G46*
See: All headings beginning Environment(al)
Air Pollution
Pollution
Water Pollution

Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room

Oceanic Abstracts (1968-) GCl.024*

See: Geographic index by sea area delimitations, e.g.,
ANE--Poland--Gdansk Bay; ANE--USSR--Estonia;
USSR--Aral Sea; PNE--USSR--Siberia

Pollution Abstracts (1970-) TD172.P65*

See: Geographic headings, e.g., Poland--Baltic Sea;
Czechoslovakia--Reservoirs; Baltic Sea; Lake Balaton;
USSR--Environmental Monitoring; Danube River;
USSR--Lakes

Public Affairs Information Service Bulletin (1915-)

Z7163.P9 SSRR

See: Environmental Policy
Geographic headings, e.g., Poland; Europe, Eastern

Selected Water Resources Abstracts (1968-) TC1.S45*

See: Geographic headings, e.g., Danube River; USSR;
Soviet Union; Lake Baikal; Caspian Sea

Readers' Guide to Periodical Literature (1900-) AI3.R45

See: All headings beginning Environment(al)
Air Pollution
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Water Pollution

UNDOC: Current Index: United Nations Document Index (1979-)

Z6481.U19 Newspaper & Current Periodical Reading Room
reference collection

See: Geographic headings, e.g., Eastern Europe, USSR,
Balkan Region, Yugoslavia, Byelorussian SSR

UNESCO List of Documents and Publications (1979-)

Z6485.U43a Newspaper & Current Periodical Reading Room
reference collection

See: Geographic headings, e.g., Eastern Europe, USSR,
Czechoslovakia, Ukrainian SSR

JOURNALS that often contain articles on the environment in the
Soviet Union and Eastern Europe include:

Ambio QH540.A52

Current Digest of the Soviet Press D839.C87

East European Reporter DJK50.E152

New Scientist Q1.N52

Science Q1.S35

Soviet Geography G1.S65

Soviet Journal of Ecology QH540.E4413

REPRESENTATIVE JOURNAL ARTICLES

- Glenny, Misha. Living in a socialist smog. *New scientist*, v. 115, Sept. 24, 1987: 41-44. Q1.N52
- Hinrichsen, Don. The forest decline enigma. *BioScience*, v. 37, Sept. 1987: 542-546. QH1.A277
- Maddox, John. Ambitions for Lake Baikal. *Nature*, v. 337, Jan. 12, 1989: 111. Q1.N2
- Micklin, Philip P. Desiccation of the Aral Sea: a water management disaster in the Soviet Union. *Science*, v. 241, Sept. 2, 1988: 1170-1176. Q1.S35
- Mironovskii, A. N., A. V. Kozhara, and V. N. Yakovlev. Principles of formation of population structure in cyprinid fishes of the Volga-Caspian region. *Soviet journal of ecology*, v. 20, no. 1, 1989: 17-22. QH540.E4413
- Möller, D., and H. Schieferdecker. Ammonia emission and deposition of NH_3 in the G.D.R. *Atmospheric environment*, v. 23, no. 6, 1989: 1187-1193. TD881.A8
- Perczel, Karoly, and George Libik. Environmental effects of the dam system on the Danube at Bos-Nagymaros. *Ambio*, v. 18, no. 4, 1989: 247-249. QH540.A52
- Schoenfeld, Gabriel. A dosimeter for every dacha. *Bulletin of the atomic scientists*, v. 45, July/Aug. 1989: 13-15. TK9145.A84
- Stansky, Pavl. Pollution: the tale of Bratislava. *East European reporter*, v. 3, autumn 1988: 26-30. DJK50.E152

TECHNICAL REPORTS and other types of literature are indexed in the following guides:

EPA Publications Bibliography (1970-) Z5863.P7U58a*
See: Geographic headings /r subjects of interest

Government Reports Announcements & Index (1946-) Z7916.G78*
See: Geographic subdivisions, e.g., USSR; Poland;
Baltic Sea; etc.

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include:

- Bilger, Burkhard. When the smoke clears. *Earthwatch*, v. 9, Dec. 1989: 18-24.

- Ellis, William S. The Aral: a Soviet sea lies dying. National geographic, v. 177, Feb. 1990: 73-93.
- French, Hilary F. The greening of the Soviet Union. World watch, v. 2, May/June 1989: 21-29.
- Hinrichsen, Don. Poland's chemical cauldron. Amicus journal, v. 10, spring 1988: 3-7.
- Kabala, Stanley J. Economic growth and the environment in Yugoslavia: an overview. Ambio, v. 17, no. 5, 1988: 323-329.
- McClave, David. An agenda for the future: U.S.-Soviet cooperation to protect the environment and conserve resources. Journal of environmental health, v. 51, Mar./Apr. 1989: 191-194.
- Perlowski A. Budgets to fight pollution in Poland 1980-1985. Environmental policy review: the Soviet Union and Eastern Europe. v. 1, June 1987: 38-43.
- Sun, Marjorie. Environmental awakening in the Soviet Union. Science, v. 241, Aug. 26, 1988: 1033-1035.
- Yanshin, A. L. Reviving Vernadsky's legacy: ecological advances in the Soviet Union. Environment, v. 30, Dec. 1988: 6-9, 26-27.
- This is one of three articles in this issue in a section entitled "Glasnost and ecology: three reports from the Soviet Union."
- Ziegler, Charles E. The bear's view: Soviet environmentalism. Technology review, v. 90, Apr. 1987: 44-51.

ADDITIONAL SOURCES OF INFORMATION

INFOTERRA/U.S. National Focal Point
U.S. Environmental Protection Agency
401 M Street, SW (PM211A)
Washington, DC 20460
Telephone: (202) 382-5917

International directory of sources. INFOTERRA directory.
Nairobi, Kenya, The United Nations Environmental Programme,
annual. ISSN 8602-6175.

Not in LC collection.

Photocopies of selected pages concerning organizations in the Soviet Union and Eastern Europe are in the pamphlet box in the Science Reading Room.

END

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