

IAG Bibliographic Service (IBS) and the Literature Database GEodesy, PHOtogrammetry, CARTography on the Internet

http://www.bkg.bund.de/nn_159914/EN/FederalOffice/InformationServices/iag__node.html__nnn=true

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Overview

The IBS is based on the literature database Geodesy, Photogrammetry and Cartography GEOPHOKA, which is maintained by the Federal Agency for Cartography and Geodesy, Branch Office Leipzig.

History: The activities concerning this literature database started in the years 1984/85 for tasks of surveying and mapping of the former GDR. At that time, also the Centre for International Documentation of Geodesy of the Technical University Dresden, the Central Institute of Physics of the Earth, Potsdam, and two research institutes of geodesy and cartography of former Czechoslovakia participated in the development and use of this database. From 1984 to 1991 the database was further developed with program systems of the Automated Information and Documentation System AIDOS under the operating systems OS/ES and VS 2 on large-capacity computers of an external contractor. In autumn 1991 the data stock existing so far was transferred to the IfAG with new software (Leistungstarkes Archivierungs- und Recherchesystem = LARS). At mid-year 1997 once more a software change was necessary because of the limited search capabilities of the old system and the large amount of literature entries. Since that time GEOPHOKA is running under MIRES (Modular Information Retrieval System) and is freely accessible via the Internet.

Activities

Size: In the beginning of 2011 the database comprises about 63.000 literature entries, the annual increase is about 1.300 entries.

Contents: Thematically, the whole special field is reflected in its complexity. Theoretical bases as well as measuring and evaluation techniques are included. Sources for the database are mainly technical journals and all kinds of publications from home and abroad as well as books and the so-called „gray“ (unpublished) literature.

Features: For each literature source formal, bibliographic and contents data are stored.

One finds a description of the information service including the input screen and some search instructions via the homepage of the BKG (under the link „Information Services“). Normally, the database is supplemented each working day by results of the evaluation of special literature. These entries are also available for searching immediately after input.

Example for search in GEOPHOKA:

GEOPHOKA

MIRES® - Query



Author:	<input type="text"/>
Title:	<input type="text"/>
Journal:	<input type="text"/>
Year:	<input type="text"/>
Language:	<input type="text"/>
Descriptors:	<input type="text"/>
Abstract:	<input type="text"/>
Date of input:	<input type="text"/>

Maximal number of documents:

Using the search screen it is possible to search for the named 8 features separately or in combination. The syntax is described in the instructions for search. It has to be taken into account that with the exception of the features descriptors, year of publication and entry date words can be entered both in German and in English in natural language. For searching in the abstract it is advisable to use English search terms since most abstracts are taken from the original in English.

Within the next few weeks the internet access will be updated.

Since September 1997 annually about 6 files with approximately 100 to 200 literature sources are compiled from the database for the IBS. Thematically these sources contain information from the fields Theory of Errors and Compensation Computation; Theoretical and Physical Geodesy; Geodetic Control Networks; Astronomy and Space Research and Geophysics. These compilations are published at irregular intervals as literature list in the „Journal of Geodesy“ as IAG Bibliographic Service.