# **ACCESS**

FIS GP can be reached online via

# www.fis-geophysik.de

The access to FIS GP requires a login. This is made either as guest or as personally registered user. If logged in as guest, sensitive information (in particular measured values) of proprietary data objects are hidden.

Registration is done online via the button "Register as new user" on the login page. The assignment of access rights is based on the user's institution (to be chosen from a list during registration). Basically the following applies:

- Owners of external data stored in FIS GP have full access to their data.
- Members of other institutions may apply for access rights during registration.

This can be achieved by selecting the list entry "Other Institutions"; the desired rights have to be specified in the form fields "Desired access rights" and "Reason for rights". In this case the assignment of rights is regulated individually, if necessary in consultation with the relevant owner of external data. Free provision of data in possession of the LIAG is restricted to a purely scientific, non-commercial use by interested institutions.

After successful registration an access password will be sent by email.

The use of FIS GP is free of charge within the framework of assigned rights.

# **PROVIDING OWN DATA**

The LIAG is interested in collecting geophysical data owned by other institutions. If you are interested to add own data to the FIS GP (property rights remain with you), do not hesitate to contact us.

# **PROJECT TEAM**

# **Project leader**

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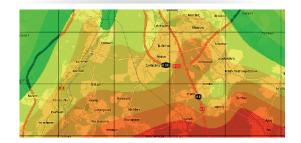
E-Mail Thorsten.Agemar@leibniz-liag.de

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# **Development team**

Jörn Brunken Jens Gramenz Klaus Krause

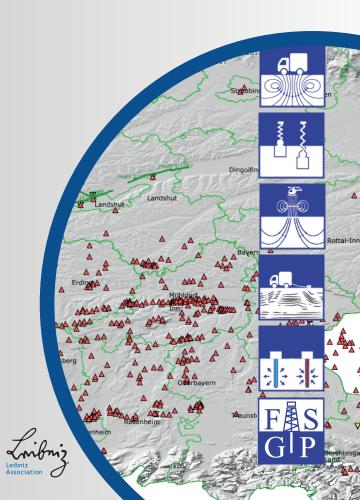
Hannover · June 2019

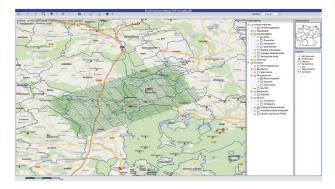


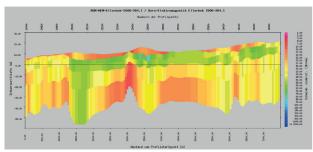




the Geophysics Information System

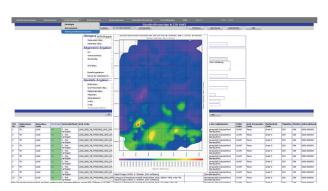








	Vertraubchkeit	Bohrung-Code			KW-10 der Bohrung							MISS. Dutenqualität-Co
	3 - missimalig verseulich		Mondeek (0) 313 1	Bohrung	20501300010		GPET OUTDO	BPET (LITEX)	Schlesvig-Holerain (Land)	1709		6472
	3 - miteimalig vertraulich		Seer 1	Behrung	40187490000			EHCLE (PEC)	Neurkinhen (Stadt)	6609	je	(HT)
	3 - mitoimabij verbruich	00040	Oceryon Zii	Bahrung	01211640013	30099/0002	W543	N949	Düryen (Högliedagemeinde)	3009	5a	8HT2
	3 - mitselmatig vertraulich		Muenaterland 1	Bohrung	46223690000		EVOIR (FEG)	EVOCE (PES)	Biferbeck (Stadt)	2910	je	8413
	3 - missimalig versulich		Victorius Z1	Bohrung	91090820013	34100V9043	ENGLE (PEG)	ENGLE (PEG)	GroSheide (Einheitsgemeinde)	2418	je	6472
	3 - miselmačių vertraulioh	00887	Brookeetel ZI.	Behrung	01110990013	25118/0000	EHPC	BHPG	Aurich (Sted)	2511	je	8472
	3 - mitselmäßig vertreulich	00616	faura 21	Bahrung	01052110013		BNG/R (PEG)	ENGLE (FEG)	Polipad (Hitpliedsperseinde)	2311	ja	84716
	3 - mitrelmatig vertraulich		Begband Z1	Bohrung	81110470013	36118V9001	OBA (RWDA)	DEA (RWDA)	Großefehn (Einheitsgemeinde)		je	FT
	3 - mittelmatilg vertreulich	00936	Vesteralede Zii	Behrung	81339550013	27138V9002	EMPG	BHPG	Westerstede (Stedt)	2713	je .	BHT18
	3 - miteimatig vertravion	04223	Sende Z1	Sohrung	01297460013	210491/0000	EMPO	DHPG	Sande (Einheitagemeinde)	2514	50	9H72
	3 - mitselmatig vertraulich		vieramoid 1	Bohrung	44308800000		2999	8999	Harsewickel (Stadt)	4014	je	8472
	3 - miteimatig vertreutch	04986	Rehertoly ZI.	Bohrung	01397050013	3816849015	EHPG	EHPG	rude (Diderburg) (Kinhelsgemeinde)	2816	je	6412
	3 - mitelmatig vertreulch	06284	Hole Zi	Behrung	01383860013	38148/3311		EHPG	Hude (Didenburg) (Einheitsgemeinde)	2816	je	8HT2
	3 - mitselmatig vertraulich	05841	Kessebruch Z1	Bohrung	05054360013	26188V2166		D495	Bramstedt (Yitgliedsperreinde)	2618	je	8H72
			Meyenburg 21	Bohrung	05175520013	27188V9004	enro	pers.	Outerholo-Schermbeck (Stadt)	2718	je .	8471
	3 - missimatig verseulich	05879	Lesum Zii	Behrung	05195060013	3818819003		KAS	Eneman (Stad)	2818	je	FT
,	2 - mittelmäßig vertreulich	06888	Branel 21	Bahruna	08000400013		EHPO	6446	Sub-Mood (Sinhelssemeinde)	2418	in	8472



#### **OVERVIEW DATA SETS**

- > The Geophysics Information System (FIS GP) contains data about geophysical measurements and evaluations of different geophysical methods, primarily from Germany.
- The FIS GP meets the information demands of the scientific community by providing a web interface. Legal requirements with regard to restricted access are complied with.
- > The aim is to build up a comprehensive database covering all of Germany and make it available.

# The data currently stored in the database include:

Method	Current database content					
Borehole geophysics <sup>1</sup>	2.114 measurement logs from 536 boreholes and 603 composite logs from 603 boreholes					
1D-Geoelectrics <sup>1</sup>	21.591 Schlumberger soundings (max. profile length of 15 km) and 5.092 evaluations					
2D-Geoelectric <sup>1</sup>	61 profiles and 30 evaluations					
3D-Seismik	1 seismic measurements					
Gravimetry <sup>2</sup>	355.989 gravity measurements					
Magnetic <sup>2</sup>	1.344.295 measuring points (mainly from aeromagnetics)					
Temperatures <sup>2</sup>	66.561 temperature values from 11.273 boreholes (to a depth of up to 9,100 m)					
2D-Seismics	139 seismic profiles and 300 evaluations					
Vertical seismik Profiles <sup>1</sup>	19 VSP-measurements and 51 evaluation					
Helicopter geophysic <sup>1</sup>	18 survey areas with 1.773 flight lines and 917.308 measuring point (method HEM, HMG and HRD)					
Petrophysic <sup>1</sup>	8.601 measurements on 2.009 samples from 165 boreholes					
Transient electromagnetics (TEM) <sup>1</sup>	3 campaigns with 56 measurements and 112 evaluations					
SkyTEM = Transient EM¹	6 areas with 909 profiles, 175.210 measurin points and 1.898 evaluations					
¹project-related distribution	<sup>2</sup> available throughout Germany					

#### **WEB INTERFACE**

# The web interface of FIS GP offers the following functions to users:

- Secure access by a powerful user and access rights management. Access to the database content can be controlled in different ways, for example depending on the ownership or the geographical location of geoobjects.
- Comfortable forms-based search, the possibility to navigate from search results to associated objects in the database and the hierarchical search in the directory of municipalities.
- Geographical search including continuous zoom, selectable background maps (for example VG250°, Web-Atlas (BGR), OSM, DOP40 (BKG), DGM 10/50 (BKG), GK 1000/2000 (BGR)), selectable layers for technical data and integrated search function for geographical objects.
- Availability of a pool containing simple evaluation and visualization methods. This pool is easily expandable via an open interface. Examples are contouring, log resampling, or geoelectric inversion.
- > Bilingual user interface (German/English)
- Online inversion service for geoelectric measurements using the 2D/3D inversion program BERT (GÜNTHER, T. & RÜCKER, C.).

The software development is largely based on open source product (MapServer, PHP, Generic Mapping Tools, JpGraph and JavaScript) and the DBMS Microsoft SQL Server.