

World Karst Aquifer Map (WHYMAP WOKAM)

Delivery

- Documentation (this document)
- ESRI shapefiles (*.shp) and ArcMap file (*.mxd, v9.3/v10.4)
- Plot file (whymap_ed2017_map_40m.pdf, 300 dpi)

Publisher

Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), International Association of Hydrogeologists (IAH), Karlsruhe Institute of Technology (KIT) & United Nations Educational, Scientific and Cultural Organization (UNESCO)

Internet

Project description	http://www.whymap.org/
Web Map Application	https://geoviewer.bgr.de/
Web Map Service (WMS)	https://services.bgr.de/wms/grundwasser/whymap_wokam/
Metadata	https://produktcenter.bgr.de/
Download	https://download.bgr.de/

Plot file

The PDF file included in this download is suitable for printing the „World Karst Aquifer Map“ in its original scale of 1 : 40 000 000 (100 cm x 70 cm).

Status

01.10.2017, Version 1.0

Geographic coverage

worldwide

Coordinate system

EPSG: 4326, GCS_WGS_1984, Datum: D_WGS_1984, Ellipsoid: WGS_1984

Citation

Chen, Z., Goldscheider, N., Auler, A., Bakalowicz, M., Broda, S., Drew, D., Hartmann, J., Jiang, G., Moosdorf, N., Richts, A., Stevanovic, Z., Veni, G., Dumont, A., Aureli, A., Clos, P., Krombholz, M. (2017). World Karst Aquifer Map (WHYMAP WOKAM). BGR, IAH, KIT, UNESCO, doi: 10.25928/b2.21_sfkq-r406.

Database fields (overview)

Layer: Karstifiable rocks (potential karst aquifer) (whymap_karst__v1_poly.shp)

Field name	Description	Example
FID	internal	
Shape	internal	
rock_type	Classification of rock formations	1
RTypeLabel	Description of rock type classification	Continuous carbonate rocks

Layer: Karst springs (whymap_spring__v3_point.shp)

Field name	Description	Example
FID	internal	
Shape	internal	
NR	Index no. for karst water sources	A4
name	Name of karst water source	Maligne
type	Type of karst water source	Spring with low flow discharge $\geq 2 \text{ m}^3/\text{s}$
s_low_qms	Minimum flow discharge in m^3/s	15,2 (-9999 = no data)
s_high_qms	Maximum flow discharge in m^3/s	40 (-9999 = no data)

Layer: Cave systems (whymap_cave__v3_point.shp)

Field name	Description	Example
FID	internal	
Shape	internal	
NR	Index no. for cave system	A5
name	Name of cave system	Castleguard Cave
type	internal	
c_depth_m	Depth of cave system in metres	384 (-9999 = no data)
c_length_k	Length of cave system in kilometres	21 (-9999 = no data)

Layer: Border between exposed and non-exposed karstifiable rocks (whymap_nonExposedKarst__v1_point.shp)

Field name	Description	Example
FID	internal	
Shape	internal	
Angle	internal	